REAL WORLD TESTING RESULTS REPORT
- 2023 -

GENERAL INFORMATION

Plan Report ID Number:	20221214inp
Developer Name:	Inpriva, Inc.
Product Name:	hDirect Network Services
Version Number:	V2.1
Certified Health IT Product List (CHPL) ID:	15.02.05.2966.INPR.01.01.0.220222
Developer Real World Testing Page URL:	https://inpriva.com/resources/RealWorldTesting

CHANGES TO THE ORIGINAL PLAN

None.

WITHDRAWN PRODUCTS

None.

SUMMARY OF TESTING METHODS AND KEY FINDINGS

The hDirect Network Services message processing logs provide the data necessary to track messages from endpoint submission for outbound messages through endpoint delivery for received messages, allowing evaluation of whether the §170.315 (h)(2) criteria are being met. The testing approach monitors and reports on message flow to and from provider EHR Systems and other endpoints that are selected so conformance of the hDirect Network Services for each §170.315 (h)(2) criteria can be analyzed.

Over the testing period, a very high percentage of messages were successfully delivered and interoperability across the Direct network confirmed. In most cases when messages were not successfully delivered, whether inbound or outbound, it was because trust could not be confirmed and message delivery was denied. Another common reason for unsuccessful message delivery was when the message content/payload did not meet the acceptance criteria of the recipient provider EHR system.

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

No standard or voluntary updates are applicable.

CARE SETTING

By providing Direct message transport and delivery at the Provider EHR System edge, hDirect Network Services support any care setting that has requirements to send or receive messages carrying patient-related and/or clinical administration information. For this reason, no specific care settings associated with monitored messages are designated.

METRICS AND OUTCOMES

Measure Used: Interoperability and Conformance Metrics for messages sent to and received from the Direct Network via hDirect Network Services.

Measurement/ Metric	Associated Criterion	Outcomes	Challenges Encountered
XDR Outbound – percentage of messages successfully delivered	170.315(h)(2)	91.8% success rate for confirming trust and delivering messages submitted by five separate organizations.	None
SMTP Outbound - percentage of messages successfully delivered	170.315(h)(2)	97.3% success rate for confirming trust and delivering messages submitted by two separate organizations.	None
XDR Inbound – percentage of messages successfully received	170.315(h)(2)	93.6% success rate for confirming trust and delivering messages to five separate recipient organizations. This metric includes messages delivered with both limited and full metadata.	None
IMAP/POP3 Inbound - percentage of messages successfully received	170.315(h)(2)	99.3% success rate for confirming trust and delivering messages to a single recipient organization.	None

SCHEDULE OF KEY MILESTONES

Key Milestone	Date/Timeframe
Data collection started.	January 1, 2023
Data collection completed.	December 31, 2023