



Health IT Certification Program

The Office of the National Coordinator for Health Information Technology

REAL WORLD TESTING PLAN TEMPLATE

GENERAL INFORMATION

PlanReportIDNumber: [For ONC-Authorized Certification Body use only]

Developer Name: InPracSys

Product Name(s): InPracSys EHR

Version Number(s): 9.0

Product List (CHPL) ID(s): 15.05.05.2762.INPS.01.00.1.191206

Developer Real World Testing Page URL: <https://inpracsys.com/rwt/>

JUSTIFICATION FOR REAL WORLD TESTING APPROACH

Real world testing will begin using 1 representative clinic that agrees to all criteria that are included in the requirement list for RWT. If some criteria or criterion remain unused by the testing clinic, InPracSys will perform that part of the test at InPracSys Lab.

Clinic's real data will be used for performing each test using queries and dynamically presented as counts of successes and failure or screen available to authorized users. The data presented will also be benchmarked against InPracSys internal benchmark for expected results and acceptable failure rates to ensure continued success. All failures will be documented and used for process improvement and/or training of clinic staff. All tests will be carefully aligned to meet criteria's requirements and technical outcomes.

Should, for any reason, the clinic has not used one or more functions, for their own reasons, e.g. Transmission to Public health agencies, we plan on running the tests manually a few times during the calendar year(s) to ensure continuing functionality thru the year(s) of the unused functions.

STANDARDS UPDATES (INCLUDING STANDARDS VERSION ADVANCEMENT PROCESS (SVAP)).

There are no voluntary SVAP standards updates

MEASURES USED IN OVERALL APPROACH

DESCRIPTION OF MEASUREMENT/METRIC –

Measurement/Metric	Description
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Transitions of Care – Create	Using data query, Count of referral summaries created, during the measurement period
Transitions of Care - Conformance	Use CMS validator API to Automatically test a Random sampling of messages created during the measurement period to ensure at a minimum that messages meet the Release, content and PT matching criteria
Transitions of Care Receive	Using data query, Count of referral summaries received during the measurement period grouped by status (valid/invalid) AND “grouped by” containing XDM package
Transitions of Care Display	Using data query, count of referral summaries received and successfully displayed, during the measurement period
Transitions of Care Display section order	Using data query, count of referral summaries displayed where the display order was changed by the user
Clinical information reconciliation and incorporation	Using data query, Count of reconciliations, during the measurement period, where the auto-matched PT flag is set to true, and occurred from the side-by-side display page
Electronic prescribing	Count of prescriptions successfully transmitted, during the measurement period, where the units are in mL and where the Qty is set to 0.XX where XX is any numeric value
Health Information Export	Enable a user to timely create an export file(s) with all of a patient’s electronic health information
Clinical quality measures (CQMs) - record and export	Using data query, count of patients, in measurement period, where the criteria is met or where the patients fall in exclusions, with coded exclusion reason, for all certified CQMs, and where data was successfully exported
VDT - View	Using data query count of patients who viewed their data including complete common clinical data set, lab reports and Dx reports, containing provider name/contact, in human readable format, for one or more date ranges during the measurement period.
VDT - download and Transmit	Using data query count of patients who downloaded or transmitted their data including complete common clinical data set, lab reports and Dx reports containing provider name/contact, for one or more date ranges, during the measurement period.
VDT - Activity Logging	Using data query generate a list of top 10 patients/refs who, during the measurement period, viewed, downloaded, and/or transmitted

	their data including the user (patient/rep) who performed the action and NTP timestamp when the action was performed
Creation of syndromic surveillance messages	Using data query, count of Syndromic Surveillance messages created by staff as needed, per HL7 2.5.1 standard, during the measurement period.
Transmission to public health agencies	Using data query count eligible cases when a trigger is matched in accordance with provision (f)(5)(ii), where the Health IT Module created a case report with only the required subset of data elements, during the measurement period
Application access — patient selection (Success)	Using data queries, count the number of successful requests for patient data, where the request resulted in successful generation of a token and data exchange, during the measurement period
Application access — patient selection (failure)	Using data queries, count the number of failed requests for patient data during the measurement period, where a successful token was not issued and no data was exchanged.
Application access — all data request	Using data queries count of data requests specifying all categories. requested during the measurement period, where the request resulted in successful generation of a token and subsequent data exchange.
Standardized API for patient and population services	Using standardized API technology well documented used for data response, supported search operations, secure connections with authentication and authorization and with authorization revocation
Direct Project – Stored addresses	Using data query, count the direct addresses entered and stored in the health IT module, grouped by binding (domain/Address) and hosting (DNS and LDAP), during the measurement period
Direct Project – Wrapped message success	Using data query, count the wrapped messages successfully transmitted to third parties during the measurement period

ASSOCIATED CERTIFICATION CRITERIA

Measurement/Metric	Associated Certification Criteria	Relied on
Transitions of Care – Create	170.315(b)(1) Transitions of Care	EMR Direct
Transitions of Care - Conformance	170.315(b)(1) Transitions of Care	EMR Direct
Transitions of Care Receive	170.315(b)(1) Transitions of Care	EMR Direct

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Transitions of Care Display	170.315(b)(1) Transitions of Care	EMR Direct
Transitions of Care Display section order	170.315(b)(1) Transitions of Care	EMR Direct
Clinical information reconciliation and incorporation	170.315 (b)(2) Clinical information reconciliation and incorporation	EMR Direct
Electronic prescribing	170.315 (b)(3) Electronic prescribing	Dosespot
Health Information Export	170.315(b)(10) Electronic Health Information export	NA
Clinical quality measures (CQMs) — record and export	<i>170.315(c)(1) Clinical quality measures (CQMs) — record and export</i>	NA
VDT- View	<i>170.315(e)(1) View, download, and transmit to 3rd party</i>	NA
VDT- download and transmit	<i>170.315(e)(1) View, download, and transmit to 3rd party</i>	NA
VDT - Activity Logging	<i>170.315(e)(1) View, download, and transmit to 3rd party</i>	NA
Creation of syndromic surveillance messages	<i>170.315(f)(2) Transmission to public health agencies — syndromic surveillance</i>	NA
Transmission to public health agencies	<i>170.315(f)(5) Transmission to public health agencies — electronic case reporting</i>	NA
Application access — patient selection Success	<i>170.315(g)(7) Application access — patient selection</i>	NA
Application access — patient selection failed	<i>170.315(g)(7) Application access — patient selection</i>	NA
Application access — all data request	<i>170.315(g)(9) Application access — all data request</i>	NA
Standardized API for patient and population services	<i>170.315(g)(10) Standardized API for Patient and Population Services (Cures update)</i>	NA
Direct Project – Stored addresses	<i>170.315(h)(1) Direct Project</i>	EMR Direct
Direct Project – Wrapped message success	<i>170.315(h)(1) Direct Project</i>	EMR Direct

JUSTIFICATION FOR SELECTED MEASUREMENT/METRIC

Measurement/Metric	Justification
Transitions of Care – Create	Counts of valid documents created during the measurement period, demonstrates that the Health IT is working as expected and certified
Transitions of Care - Conformance	Counts of conforming documents created during the measurement period, demonstrates that the Health IT is working as expected and certified
Transitions of Care Receive	Counts of invalid and /or valid documents received during the measurement period, demonstrates the ability of the IT to detect valid/invalid documents
Transitions of Care Display	Counts of documents demonstrates the ability of the IT to handle display
Transitions of Care Display section order	Our technology is able to save the display preferences of the application. Counting the number of times this activity took place, during the measurement period demonstrates functionality.
Clinical information reconciliation and incorporation	Our technology automatically matches the patient to the ToC and has the user verify the match and sets the auto-match flag true. Counting cases that the flag is set to true, and the page the action was performed on, during the measurement period, demonstrates that the product is working as expected.
Electronic prescribing	Getting counts of prescriptions, during the measurement period, that were successfully received by the service provider and not rejected, that contained units in mL as well as quantity, demonstrates this function.
Health Information Export	Enable a user to timely create an export file(s) with all of a single patient’s electronic health information stored in the EHR.
Clinical quality measures (CQMs) — record and export	Reports of patients by the CQM including status (Met, Unmet and Exclusion, with reason medical, Patient, System) demonstrates that the Health IT is working as expected and certified for this function.
VDT - View	Counts of occurrence(s) during the measurement period demonstrate that the function is working as expected for viewing data.
VDT - download and Transmit	Counts of occurrence(s) during the measurement period demonstrate that the function is working as expected for downloading or transmitting data
VDT - Activity Logging	Counts of occurrence(s) during the measurement period demonstrate that NTP time stamp and user activity logging is working.
Creation of syndromic surveillance messages	Since our technology validates messages on creation, getting counts demonstrates that the function is working.
Transmission to public health agencies	Counts of eligible cases generated and transmitted during the measurement period illustrates that this function is working.
Application access — patient selection Success	If we receive, validate the request, issue a token that is used subsequently for data exchange, we demonstrate that this function is working and our documentation is on point.
Application access — patient selection failed	If we receive, validate the request, do not issue a token if the request is not to syntax, we demonstrate that this function is working and documentation is on point, but the requester made an error.
Application access — all data request	If we receive, validate the request, issue a token that is used subsequently for data exchange, we demonstrate that this function is working and documentation is on point.
Standardized API for patient and population services	On receiving requests through search under a secure connection, we authenticate and check pt authorization by token received in an API
Direct Project – Stored addresses	Storing direct addresses to the database during the measurement period demonstrates this function
Direct Project – Wrapped message success	Counting wrapped messages transmitted during the measurement period demonstrates this function

CARE SETTING(S)

Care Setting	Justification
Ambulatory Medical Clinic	Ambulatory Medical Clinic (Urology Clinics) Note: Our application is specific to the practice of Urology

EXPECTED OUTCOMES

Measurement/Metric	Expected Outcomes
Transitions of Care as – Create	EMR will be queried, using SQL, for messages created successfully with no errors
Transitions of Care – Conformance	EMR will be queried, using SQL, for messages created successfully with no errors and conforming to the requirements
Transitions of Care Receive	EMR will be queried, using SQL, to ensure that the messages are successfully received, reconciled and data incorporated with no errors
Transitions of Care Display	EMR will be queried, using SQL, to ensure that the messages are successfully received and displayed
Transitions of Care Display section order	EMR will be queried, using SQL, to ensure that the messages are successfully received, order of sections displayed with no errors
Clinical information reconciliation and incorporation	EMR will be queried, using SQL, to ensure that the messages are successfully reconciled, and data incorporated with no errors.
Electronic prescribing	EMR will be queried, using SQL, to ensure that the prescriptions in the measure were successfully transmitted and acknowledged by the recipient service provider.
Electronic Health Information Export	EMR will be queried, using SQL, to ensure that Data is successfully exported and a file is created for a selected patient with all of the patient health information
Clinical quality measures (CQMs) — record and export	EMR will be queried, using SQL, to ensure that Data is successfully exported and error free.
VDT - View	EMR will be queried, using SQL, to ensure that Data is successfully viewed and error free
VDT - Download and Transmit	EMR will be queried, using SQL, to ensure that Data is successfully downloaded or transmitted and error free
VDT - Activity Logging	EMR will be queried, using SQL, to ensure that Data is viewed, successfully downloaded or transmitted, contains user and timestamp.
Creation of syndromic surveillance messages	EMR will be queried, using SQL, to ensure that messages are successfully created to HL7 2.5.1 standard and there were no errors.
Transmission to public health agencies	EMR will be queried, using SQL, to ensure that messages are successfully transmitted without errors.
Application access — patient selection Success	EMR will be queried, using SQL, to ensure that greater than 99% of the requests made per Health IT’s documentation, resulted in successful issue of a token and patient selection succeeded.
Application access — patient selection failed	EMR will be queried, using SQL, to ensure that greater than 99% of the requests made per Health IT’s documentation, resulted in successful issue of a token and patient selection failed.

Application access — all data request	EMR will be queried, using SQL, to ensure that greater than 99% of the requests made per Health IT’s documentation, resulted in successful issue of a token and exchange of data for the requested parameters.
Standardized API for patient and population services	Respond to requests for a single/multiple patient’s data or as a data group according to the standard adopted and consistent with the search criteria Enable an application to register with the Health IT Module’s “authorization server”. Establish a secure and trusted connection. Authentication and Authorization must happen for the patient, EMR will be queried, using SQL, to ensure authentication and authorization success.
Direct Project – Stored addresses	EMR will be queried, using SQL, to ensure that greater than one each of address and domain bound Direct addresses are stored without errors.
Direct Project – Wrapped message success	EMR will be queried, using SQL, to ensure that messages are successfully sent to third parties.

SCHEDULE OF KEY MILESTONES

Key Milestone	Care Setting	Date/Timeframe
Complete RWT Development	Ambulatory Medical Clinic	Oct 30 2024
Test RWT plan	Ambulatory Medical Clinic	Dec 15 2025
Implement RWT Plan	Ambulatory Medical Clinic	Jan 5 2025
Report Results to SLI	Ambulatory Medical Clinic	Feb 1 2026

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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