

# Real World Testing Plan for InteropX

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## Product Information

Developer Name:	InteropX LLC
Product Name(s):	InteropX Platform
Version Number(s):	1.5.3
Product List (CHPL) (IDS):	15.04.04.3116.Inte.01.00.0.220707
Developer Real World Testing Page URL:	<a href="https://interopx.com/Standards/2022_InteropX_RealWorldTestPlan.pdf">https://interopx.com/Standards/2022_InteropX_RealWorldTestPlan.pdf</a>

## Introduction

The InteropX Platform is a product that enables interoperability among healthcare organizations such as hospitals and Payers. In order to enable interoperability, the InteropX Platform uses the ONC Cures Act API criteria as a baseline and implements ONC Certified FHIR-compliant RESTful APIs. These FHIR APIs give access to the aggregated and curated patient data stored in the InteropX Data Lake. Using the FHIR standards-based APIs, users can integrate existing applications or make new ones to access patient data and improve decision making and clinical outcomes. InteropX Platform also contains the necessary interfaces for third-party applications to register and receive clinical data/documents using FHIR API's.

InteropX Platform is used by EHR vendors or Payers as a module to get themselves certified for various ONC and CMS criteria. As such InteropX will not be used in a standalone fashion. For e.g one of our customers use the InteropX module to get their EHR certified for the Cures Act (g)(10) criteria. Hence the EHR vendors real world testing plan will not be applicable for our real world testing. So our Real World Testing plan will be accomplished using our production system that is setup with synthetic data and will demonstrate the usage of the compliant APIs using externally available open source applications that exercise various FHIR APIs.

## Criteria applicable for Real World Testing

(g)(10) Standardized API for Patient and Population Services is applicable for Real World Testing

## Testing Platform

InteropX LLC will be using our production system ([www.demo.interopx.com](http://www.demo.interopx.com)) for Real World Testing and demonstration.

## Testing Approach

The InteropX Platform has created FHIR APIs that are USCDI-v1 Compliant and certified in accordance with ONC (g)(10) Criteria. The FHIR APIs were created in a way that allows for easy integration with all EMR and Payer systems. Therefore, InteropX will not have any real-world customers such as hospitals or ambulatory practices. However, the product is offered as packaged modules for integration into their own existing software for EHR vendors and Payers.

As InteropX is certified according to the ONC (g)(10) Standardized API for Patient and Population Services, we will test the certified FHIR APIs using third-party applications. We'll also count the number of applications that use FHIR APIs to connect to our product. Applications that have registered will also have their API usage checked regularly.

## Testing Plans

RWT Measure #1: Count the number of applications and APIs used by external apps  
170.315(g)(10) – Standardized API for patient & population services (FHIR)

### Testing Methodology/Approach:

To count the number of applications registered with our FHIR server, we will capture screenshots of the dashboards showing the registered applications.

To count the number of APIs being invoked by the external applications, we will capture the necessary log files that show the API invocation and applicable responses.

Ensure that all the (g)(10) APIs are exercised by external applications.

### Measurement Description:

This measure allows InteropX to demonstrate that the certified FHIR APIs can be used by 3<sup>rd</sup> party applications successfully.

### Measurement Justification

InteropX modules are typically integrated into EHR solutions and Payer solutions which are certified. Hence InteropX will not have any real world customers such as hospitals and payers. So the InteropX production server will be used for testing the FHIR APIs. As part of the testing, results will be captured which will be used show that all the different APIs can be used by 3<sup>rd</sup> party applications when InteropX modules are used in other systems. In order to ensure that multiple applications can connect we will demonstrate the above using more than one 3<sup>rd</sup> party application.

### Expected Outcome:

The measurement will count FHIR applications registered with our server for patient access and applications actively connecting to our FHIR server. We'll use our FHIR API form, which developers use to seek API access, as well as extra reports and audit logs to count API applications on our system. In addition we will collect log files that will demonstrate the usage of the various certified APIs and our performance against those APIs.

### Care Settings:

All care settings, as InteropX gets used as modules in other solutions.

## Key Milestones

Milestones	Date/Timeframe
RWT Plan Kickoff	Q1 2023
Performing the Test and Capturing the results	Q2-Q3 2023
Completing the testing and generating the reports	Q4 2023
Submit RWT Test Reports to ONC-ACB	Q1 2024

## Developer 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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