



ONC Real World Test Plan

Developer Name	CareSpan USA, Inc.
Product Name	CareSpan Digital Health Platform
Version Number	2.0
CHPL IDs	15.04.04.3090.Care.02.00.1.210726
Real World Test Page	https://www.carespanhealth.com/cert

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General Information

Justification For Real World Testing Approach

The CareSpan Platform is a certified EHR technology, and it has established a plan to comply with interoperability and functionality in a real world setting and scenario within ambulatory care settings. Our **Real World Test** (RWT) plan and testing includes using live practices, structured patient data, and a clinic environment to ensure accuracy and transparency in the Real World Testing process and outcomes. This ensures that the certified elements are operational in a real-world situation.

NOTE: Items marked N/A are not listed as certified in our CHPL(s)

Care Settings

The CareSpan Platform is used in ambulatory clinics. Types include primary care, specialty care, pediatric care, and urgent care. All clinics are telemedicine-enabled. A minimum of three clinics will be chosen to conduct the testing.

Testing Milestones for 2022

There are 2 separate testing categories: Public Health and Application Programming Interfaces. All testing follows this timeline.

Milestone	Care Setting	Timeline
Submission of RWT plan documentation to ONC authorized representative- Drummond Group	-	Nov 15, 2021
RWT Plan publicly made available on CHPL	-	Dec 15, 2021
Select and Enroll practices to participate in RWT	Ambulatory	Q1 2022
Perform Tests and collect results	Ambulatory	Q2-Q4 2022
Analyze results and assemble report	Ambulatory	Q1, 2023
Submit RWT Report to ONC	-	Mar 15, 2023

Non-Conformities

Developer will report all non-conformities within 30 days of test results as per regulation.

Third-Parties

CareSpan has chosen to use certain third parties to provide certification capabilities:

Dynamic Health IT, Inc.

Dosespot

MaxMD

Standards Version Advancement Process (SVAP) Updates for CY 2022

CareSpan received its certification in May 2021. No updates occurred between then and Aug 31. All measures are up to date.

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1 - Public Health

Measure 1: Transmission to public health agencies – electronic case reporting

As part of the Real-World Testing requirements for §170.315(f)(5) the developer has developed the following metrics for their testing plan.

This measure will catalogue the use of HL7 V2 standard document conformant, and the ability of the system to transmit to state registry. The associated certification criterion is to be tested in the primary care and pediatrics care setting.

Certification Criteria / Description	Requirements
§ 170.315(f)(5) Transmission to public health agencies – electronic case reporting	<p>Must be able to consume and maintain a table of trigger codes to determine which encounters may be reportable.</p> <p>Can match a patient visit or encounter to the trigger code based on the parameters of the trigger code table.</p> <p>Can create a case report for electronic transmission.</p>

Justification

This test is targeted in primary care providers who intend to report on to meet Objective 8: Public Health and Clinical Data Registry Reporting. As the health IT developer our intention in this real-world testing scenario is to check if specific clinical information files (such as COVID-19 test results) are generated in the system and are formatted according to the adopted standards referenced by the certification criteria.

Testing Methodology

A standard 'trigger' table is ingested into the platform and used to identify encounters that match any of the triggers. The request is made on demand by each provider. A resultant report is generated that follows the standards set by the various reporting agencies. Metrics will be analyzed determining the rate of successful/unsuccessful trigger matches as well as the overall count of categorical matches.

Expected Outcomes

Providers will be able to generate all state-required reports in a suitable format for submission. Reports will be reviewed to ensure that they meet all requirements set by that state including, but not limited to inclusion of national coding standards such as LOINC, SNOMED, RxNORM and others. Reports may be submitted through our partner, DHIT.

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2 - Application Programming Interfaces (API)

Measure 1 – API Interface

As part of the Real-World Testing requirements for § 170.315(g)(7), the developer has developed the following metrics for their testing plan.

This measure will test the conformance of access of the patient identifier using the CareSpan Platform through a published API. This API will accept sufficient information to uniquely identify a patient and return the patient ID to the external system. The associated certification criterion in the selected care setting listed below. Associated certification criteria include the following:

Certification Criteria / Description	Requirements
§ 170.315(g)(7) Application access— patient selection	The platform can receive a request with sufficient information to uniquely identify a patient and return an ID or other token that can be used by an application to subsequently execute requests for that patient's data.

Justification

The CareSpan platform utilizes the FHIR4 API interface provided by DHIT as a centralized API interface that brokers access to patient data. This will provide a metric on the use of APIs to access patient data. Additionally, credentialing requirements will be tested indirectly, as only authorized users will have access to the patient data. Each practice settings also have the access log which logs request and the requester information. This the metric will be further verified through the review of the log files and by the audit tables.

Testing Methodology

The platform test suite emulates a third-party application and submits a request to the API server, passing required patient identification fields. Proper operation will return a token unique to that request. The token returned during this test will be used to query subsequent data, then that data verified to ensure the generated token was valid. Log files and audit data obtained will be de-identified and used to determine success and error rate to validate the proper operation of the API.

Expected Outcomes

It is expected that CareSpan will be conformant to application access criteria for §170.315(g)(7). Providers will be able to request or query a patient from a third-party system using the FHIR API.

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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