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## REAL WORLD TESTING PLAN

### GENERAL INFORMATION

**PLAN REPORT ID NUMBER**

DEVELOPER NAME: CORE SOLUTIONS INC

PRODUCT NAME(S): CX360

VERSION NUMBER(S): 7.0, 7.2, 7.5

CERTIFIED HEALTH IT PRODUCT LIST (CHPL) ID(S): 170.315 (A) (1-12, 14,15); (B) (1, 6); (C) (1-4); (D) (1-9, 11); (E)(3); (G) (2-9); (H)1

<https://chpl.healthit.gov/#/organizations/developers/1704>

<https://chpl.healthit.gov/#/listing/9168>

CHPL PRODUCT NUMBER: 15.04.04. 2703.CX36.07.00.1.171226

ONC-ACB CERTIFICATION ID: 15.04.04. 2703.CX36.07.00.1.171226

DEVELOPER REAL WORLD TESTING PAGE URL: [https://www.coresolutionsinc.com/mu\\_real\\_world\\_test\\_plan/](https://www.coresolutionsinc.com/mu_real_world_test_plan/)

### Developer Information

**DEVELOPER CODE**

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## JUSTIFICATION FOR REAL WORLD TESTING APPROACH

Our overall testing approach to meet the scope of certification is to leverage Cx360's (certified EHR) inherent reporting, data audit and logging capabilities to measure and report the real-world usage of the certified measures. Our approach also involves surveying the active user community. Cx360 is currently used by organizations of varying types and sizes. As not all organizations utilize the full features of the certified product, our testing approach is to identify and measure the use cases where the certified criteria are used. For example, CCD exchange feature of Cx360 that aligns with the b1 criteria is primarily used in reporting transition of care to HIE health information exchanges, our test plan for b1 criteria is to measure the overall successful CCD generated by Cx360 and received by the external system.

The approach will look at usage during the reporting period as well as compare against historical interoperability benchmarks. In addition, surveys of the user community will provide real world insight into the actual use of the certified capabilities. This combined approach of reporting and surveys will provide insight into whether the certified capabilities are used as intended.

We have taken in account the size of the organizations using Cx360, the type of organization and setting, number of users of the system and current integrations. In addition, data volume and types of data exchange were also considered.

## TESTING ENVIRONMENTS

We are planning to measure the test results using production environments as recommended by the ONC.

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

Core Solutions Is not planning to make any version updates on approved standards through the SVAP process.

Standard (and version)	N/A
Updated certification criteria and associated product	N/A
Health IT Module CHPL ID	N/A
Method used for standard update	N/A
Date of ONC ACB notification	N/A
Date of customer notification (SVAP only)	N/A
Conformance measure	N/A
USCDI updated certification criteria (and USCDI version)	N/A

## MEASURES USED IN OVERALL APPROACH

Our real-world testing plan describes the method for measuring how the approach(es) chosen to meet the intent and purpose of Real-World Testing

- ✓ Description of the measurement/metric
- ✓ Associated certification criteria
- ✓ Justification for selected measurement/metric
- ✓ Care setting(s) that is addressed
- ✓ Expected outcomes

### §170.315(b)(1) Transitions of care and §170.315(h)(1) Direct Project

**Description of the measurement/metric:** Measure how many C-CDAs are successfully generated in the system and sent over to the receiving third party system over the measurement period.

This criterion will be measured using both Cx360 reporting/auditing capabilities along with user community surveys.

**Associated certification criteria:** 170.315 (b1) Transition of Care and 170.315, (h1) Direct Project

**Justification for selected measurement/metric:** Cx360 has the ability to generate CCDs that meets the C-CDA patient summary record specifications. This test measure will verify Cx360s ability to generate all the required elements of the patient summary record and the count of such C-CDA records successfully generated by the system. This test measure will count the number of successful transfers of C-CDA patient summary records to the third-party recipients. This test will also measure the usage of Direct Edge protocol in data transmission to HISP/HIE. A sampling of generated CCDA will be analyzed for usage of vocabulary code sets and technical standards.



User community will be surveyed on the usage of the CCDA exchange capabilities in Cx360. This would also measure the users understanding of the certified capability of Cx360.

**Care setting(s) that is addressed:** This measure will be evaluated in multiple ambulatory organizations that used Cx360 during the reporting period.

**Expected outcomes:** The expected outcome will be reports indicating the counts of successful Patient Summary C-CDA generation during the testing period, reports indicating the counts of successful transmission to third parties, reports indicating the usage of direct edge protocol in successful transmission to third parties.

Successful acknowledgments from the receiving third party will also be reported, thus ensuring that the CCDA conforms to standards as set forth in the certified ONC criteria.

User survey results will provide insight into appropriate usage of the features and user experience in the marketed setting.

## §170.315(b)(6) Data export

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**Description of the measurement/metric:** Measure how many successful Patient Data export was done during the testing period.

This criterion will be measured using both Cx360 reporting/auditing capabilities along with user community surveys.

**Associated certification criteria:** 170.315 (b6) Data Export

**Justification for selected measurement/metric:** Cx360 has the ability to generate Patient Data Export that meet the batch patient data CCD export. Every batch export done in Cx360 is tracked and logged in the system. This test metric will measure how many and how frequently data export was performed in cx360. In addition, user survey will be conducted

to understand the scenarios where this function is performed and measure how often this criterion is used by the user community.

**Care setting(s) that is addressed:** This measure will be evaluated in multiple ambulatory organizations that used Cx360 during the reporting period.

**Expected outcomes:** The expected outcome will be reports indicating the counts of successful data exports. User survey results will provide insight into appropriate usage of the features and user experience in the marketed setting.

## §170.315(c)(1) (2)(3)(4) Clinical quality measures (CQMs)

**Description of the measurement/metric:** Measure how many eCQM measures were successfully reported by organizations using the certified EHR Cx360 to CMS during the Quality reporting period.

This measure will be measured using both Cx360 reporting/auditing capabilities along with user community surveys.

**Associated certification criteria:** 170.315 (c)(1)(2)(3)(4) Clinical Quality Measures (CQMs) 165v5

**Justification for selected measurement/metric:** We will measure the count of CQM measures reported to the CMS in each reporting period. We will survey the providers reporting on the certified CQM on the frequency of submission.

**Care setting(s) that is addressed:** This measure will be evaluated in multiple ambulatory organizations that used Cx360 during the reporting period.

**Expected outcomes:** The expected outcome will be reports indicating the counts of CQM measures submitted by the users. CMS submissions will indicate successful CQM calculation by Cx360. This will also validate users understanding of Cx360 underlying features.

## §170.315(g)(7)(8)(9) Application access

**Description of the measurement/metric:** Measure how many different systems connects to Cx360 using the API

This measure will be measured using both Cx360 reporting/auditing capabilities along with user community surveys.

**Associated certification criteria:** 170.315 (g) (7)(8)(9) Application Access

**Justification for selected measurement/metric:**

Cx360 has API capability that allows internal and external systems to connect to EHR. We believe in API first approach to interoperability to facilitate exchange of data. The best approach to measure Cx360 API usage is to survey the user community to determine the external use. As part of the survey, we will list the Cx360 API components Example – Method AuthenticateClient (), Method ClientRegistration () and measure the usage of each of the API methods/components. We would also count the number of successful API authentication requests during the testing period.

We will measure via survey how the Cx360 API documentation is useful in understanding the technical and function al usage of the methods.

This will provide insight into the actual real-world usage of Cx360 API in the user community.

**Care setting(s) that is addressed:** This measure will be evaluated in multiple ambulatory organizations that used Cx360 during the reporting period.

**Expected outcomes:** The expected outcome will be reports indicating the counts of each API method usage in the real world. This will show the API components that are widely used and those that are not used by the community. The report will provide a count of successful API authentication requests. The report will also measure the usage and user friendliness of the API documentation.

## SCHEDULE OF KEY MILESTONES

Key Milestone	Care Setting	Time Frame
Communicate with clients the testing plan and prepare for real world testing	Ambulatory	2022 Q1
Perform testing and collect results. Results will be documented, and any non-compliance will be reported to ONC	Ambulatory	2022 Q2, Q3
Final consolidation of results for submission	Ambulatory	2022 Q4
Results publicly published	Ambulatory	2023 Q1





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## 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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