

WorldVistA Real World Testing Plan for popHealth

GENERAL INFORMATION

Plan Report ID Number	20241112wva
Developer Name	WorldVistA
Product Name(s)	popHealth
Version Number(s)	6.0
Certified Health IT Product List (CHPL) ID(s)	15.02.05.2551.WOVA.01.03.0.220202
Developer Real World Testing Plan Page URL	https://worldvista.org/pophealth/pophealth-realworld-testing

Justification for the Real World Testing Plan Approach:

popHealth is an open source product that is available for quality measure reporting and creation of the QRDA III summary report from QRDA I submissions. This includes the calculations for each of the measures chosen by the user which are the Meaningful Use provider quality measures and the Meaningful Use hospital quality measures. These measures also cover some MIPS reporting measures. The measures covered are listed on CHPL.

Because popHealth is open source, users of popHealth are not required to report if they are using popHealth to us as we are not a traditional vendor selling a product with a fixed code base that may not be altered by the user. That said, we do have a few users who are very likely willing to cooperate with the real world testing process of the unaltered certified popHealth.

Currently we only know of a limited number of settings where it is being used or is planned to be used. One is by a developer of an EHR who intended to use popHealth to help certify his EHR and this EHR is designed to be used in both an ambulatory and a hospital setting. We believe he did succeed in certifying his EHR, but he does not use popHealth at this time. Another is a group of group of 80 private practitioners that specialize in the care of a limited number of patient problems and although they may use popHealth, they are not at this time. A third has expressed an interest but we don't know if he has any intention of using it. We have reason to believe we can have cooperation from these users in the testing of popHealth, learning how well the software worked in their settings and what measures were used to generate a QRDA III report.

The plan will be to report what measures QRDA I files were exported for the 170315(c)(2) criteria. 170315(c)(3) requires importing data files, which are in fact, QRDA I files generated by the user and thus for testing, we would want to know that popHealth successfully imported data files that were compliant with the QRDA I standards and if not, why not. We believe it would be helpful to innumerate know problems users were having with their QRDA I files that caused the imports to fail which were not actually a failure of popHealth as it may assist other users. Note that interoperability is not something that popHealth addresses as it is for reporting for individual entities, not between entities.

na

Since there are both Ambulatory and Hospital Quality Measures, those are the settings where we would like users to test popHealth. Since so far that has not happened, we test it using Cypress, which is the testing platform used to confirm that software is able to import and process quality measures correctly. Settings where real world testing should take place:

- Ambulatory Care
- Hospital reporting

STANDARDS VERSION ADVANCEMENT PROCESS (SVAP) STANDARDS UPDATES

Not applicable for this project thus far.

MEASUREMENT METRICS USED IN OVERALL APPROACH

Measurement/Metric	Description
170.315(c)(2)	<ol style="list-style-type: none"> 1. Import patient data (in the form of QRDA I reports generated by the user) and verify they can be imported if they are properly formatted. These include the quality measures listed here: https://chpl.healthit.gov/#/listing/10816 2. Verify all QRDA Is were imported. 3. Do a manual calculation to determine the numerator, denominator, etc. populations 4. Generate the QRDA CAT1s from these imported QRDA CAT I 5. Perform the measure calculation 6. Using the popHealth UI, verify the patients associated with each population group, i.e., numerator, denominator, etc. match those calculated in step 1. 7. This will be performed twice a year at least twice with each test on all of the quality measures listed in CHPL
170.315(c)(3)	Generate a QRDA III file from the data imported and verify it is correct. This will be done for each of the tests done for 170.315(c)(2)

Expected Outcomes

Measurement/Metric	Expected Outcomes
170.315(c)(2)	popHealth imports data from QRDA Is and exports a valid QRDA I from the imported data popHealth calculatee the numerators and denominators from the imported data. We will work with users if they request help and let us know they are using the open source software and remediate any issues we find with any of the test case bundles from Cypress. If they cannot be remediated, we will not continue to claim compliance for that quality measure.

NEA

170.315(c)(3)	popHealth produces a properly formatted QRDA III from the imported QRDA Is as verified by Cypress. Errors will be corrected if they are due to the software and not users faulty QRDAs. We will work with users if they request help and let us know as they are using the open source software and we will report the results of the real world testing if we have users which agree to test with us.
---------------	--

Measurement Metric	Justification
170.315(c)(2)	<p>For the Eligible Provider Quality Measures we anticipated being able to test with a wound care practice and an EHR used in private practice possibly nursing home settings, but that has not happened to date so we rely on testing with Cypress as that is the testing platform for quality measures which was developed by Mitre for such purposes.</p> <p>Thus we test using batches of Cypress generated patients and since Cypress always generates new batches of patient data to test we feel using Cypress to test the software is a robust way to test. We generate multiple batches of patients and check to be sure as we can that the software works as intended.</p>
170.315(c)(3)	<p>We anticipated being able to test with an EHR being used in a hospital as well as private practice settings for Psychiatry, but that has not happened to date. Therefore, we rely on testing of batches of test patients from Cypress, which is the testing platform developed by Mitre for such purposes.</p> <p>Since there are both Ambulatory and Hospital Quality Measures, those are the settings where we would like users to test popHealth. Since that has not happened, and Cypress tests both hospital and ambulatory quality measure QRDA III, we feel this is provides excellent testing.</p>

Justification for Selected Measurement/Metric

Care Setting	Justification
Ambulatory setting, no specific type, only that the quality measure applies to the setting.	We feel that use of Cypress to have testers check that their QRDA files are correct and then to determine whether or not they were successful in submitting their files should be a very robust way to test the software for the ambulatory setting and measures Interoperability is not a relevant function for this software. as it is designed to be used by a single organization, not to exchange data

NSC

<p>Hospital, no specific type. The quality measures used must apply to the setting.</p>	<p>We feel that use of Cypress to have testers check that their QRDA files are correct and then to determine whether or not they were successful in submitting their files should be a very robust way to test. Since thus far we have not had any testers from hospital settings, and Cypress test hospital measures, we use Cypress to test for the hospital setting. Interoperability is not relevant function for this software as it is designed to be used by a single organization, not to exchange data..</p>
---	---

Schedule of Milestones:

Users of popHealth are not required to report if they are using popHealth to us as we are not a traditional vendor selling a product with a fixed code base that may not be altered by the user. That said, we do have a few users who are very likely willing to cooperate with the real world testing process of the unaltered certified popHealth. See the justification section above.

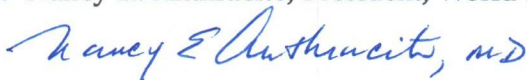
If we have users who step forward and agree to participate in Real World Testing, we will report the results biannually with the Real World Testing Results for both the ambulatory and hospital settings. Thus far there have not been any users who have participated in real world testing. We anticipate reporting in June and December if anyone completes the process.

Interoperability is not applicable for this software as the software is for internal use of the users, not for exchange of data except to report quality measure data.

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.

Name: Nancy E. Anthracite, President, WorldVistaA **Date:** 11/12/2024



eMail: nancy@worldvista.org

Phone: 240-246-0123