**POPHEALTH PILOT OVERVIEW**

**PURPOSE:**

The purpose of this Pilot Overview is to set forth clear communications regarding the goals and objectives, activities and responsibilities for each party through the course of the popHealth pilot testing process.

**INTRODUCTION:**

popHealth is an open source reference implementation software service that automates the reporting of Meaningful Use (MU) Clinical Quality Measures (CQMs). popHealth integrates with a healthcare provider’s electronic health record (EHR) system using continuity of care records. popHealth streamlines the automated generation of summary quality measure reports on the provider’s patient population.

popHealth supports healthcare providers and EHR vendors by reporting clinical quality measures from electronic health record continuity of care files. Providers are empowered to better understand, and analyze the health of their patient population, and meet MU reporting objectives, through reports of clinical quality measures. EHR vendors and healthcare providers are free to download, use and integrate the popHealth software in their systems.

popHealth is designed to simplify the reporting of summary quality measures, and streamline the exchange of summary quality data. Demonstration of Meaningful Use requires the reporting of quality measure data. This reference implementation open source software demonstrates how providers can rapidly produce and submit Meaningful Use clinical quality measures. Lastly, popHealth provides EHR vendors with a reference implementation software package to guide the development of further Meaningful Use quality measures.

This popHealth pilot is designed to:

* Validate the open source popHealth software’s reporting accuracy in calculating the Clinical Quality Measures (CQMs).
* Identify and address issues with both the CQM algorithms, but also with the continuity of care XML standards that are used by EHR vendors for presenting their patient population’s clinical data.
* Vet the utility and usability of popHealth from the perspective of a healthcare provider. This will assist in the ongoing evolution of the popHealth user interface and interaction model.

**RESPONSIBILITIES:**

**Pilot Site Responsibilities**

For individual physician practices, group physician practices, a BEACON community supporting a group of physician practices, or a Regional Extension Center supporting a group of physician practices, there are several responsibilities which must be met to conduct a popHealth pilot. These responsibilities include:

* Have a functional and certified Electronic Health Record (EHR) system already deployed with historical clinical data for at least one year populated in this EHR system.
* Have a minimum patient population averaging 500 patients per provider recorded in this EHR system.
* Use a certified EHR with the ability to export patient records in either the HITSP C32 XML format, or the ASTM CCR XML format.
* Produce 10 synthetic C32 or CCR XML records from this EHR system that demonstrate clinically coded data for all the sections of the C32 or CCR.
* Review, sign and share the MITRE Data Use form and then share these 10 synthetic C32 or CCR records with MITRE.
* Provide coded data for the different C32 or CCR sections according to the following mappings:
  + Allergies: RxNorm, SNOMED-CT
  + Care Goals: SNOMED-CT
  + Clinical Lab: LOINC
  + Conditions: SNOMED-CT, ICD-9-CM, ICD-10-CM
  + Encounters: CPT
  + Immunizations: RxNorm, CVX
  + Medical Equipment: SNOMED-CT
  + Medications: RxNorm, CVX
  + Procedures: CPT, ICD-9-CM, ICD-10-CM, HCPCS, SNOMED-CT
  + Results: SNOMED-CT
  + Social History: SNOMED-CT
  + Vital Signs: ICD-9-CM, ICD-10-CM, SNOMED-CT
* Install the free open source popHealth software on either a provider’s, Beacon’s, or REC’s hardware infrastructure.
* Provide MITRE with a technical POC to work through the installation and setup of an instance of popHealth.

**MITRE Responsibilities**

In support of the pilot activities, MITRE will:

* Assist with the installation and setup of the popHealth server with a provider, Beacon, or REC technical POC.
* Provide guidance on the interpretation of the results from the popHealth pilot.
* Provide training and guidance for a technical POC for the ongoing operations and maintenance of the popHealth instance.
* Identify and debug any technical issues with popHealth that may arise during the pilot event. MITRE will attempt to provide support for future technical issues with the proper technical POC upon conclusion of the pilot event.
* Collect feedback from healthcare provider users on the utility and usability of the popHealth system setup at the pilot site.
* Review and sign a Business Associate Agreement (BAA) with the steward of the patient data. This will be needed to support all the pilot activity requirements for working with Protected Health Information (PHI). MITRE will operate under the information security requirements that are detailed in a signed Business Associate Agreement’s detail for rules regarding the handling of the PHI with the steward of the patient data.

PILOT SCHEDULE:

*(TBD based on pilot site)*