

popHealth® code

Empowering the quality of health care. This is the logic behind popHealth, an open-source reference implementation that allows providers to aggregate data from electronic health records (EHR) to generate clinical quality measures reports. These reports provide physicians with a better understanding of the overall health of their patient population and the ability to identify opportunities to improve the care provided.

A Clinical Quality Measure Reporting Tool

The Office of the National Coordinator for Health IT (ONC) sponsored the development of popHealth to support providers and EHR vendors in achieving and reporting Meaningful Use of health IT. popHealth currently supports the electronic specifications for the 44 Stage 1 clinical quality measures for eligible professionals, with plans to encode Stage 2 clinical quality measure specifications upon their expected release in 2012.

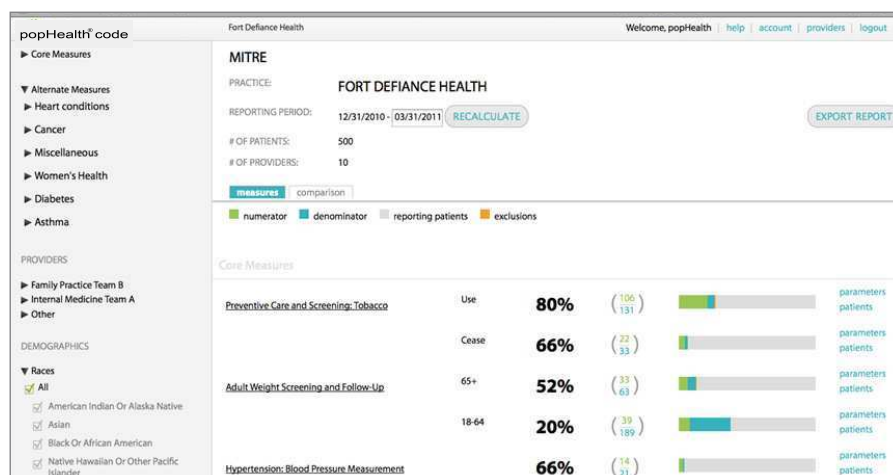
popHealth helps providers easily understand the logic behind clinical quality measures and effortlessly identify patients requiring follow-up care. The transmission of summary quality data is simple and scalable, representing an alternative to traditional methods of data analysis and reporting.

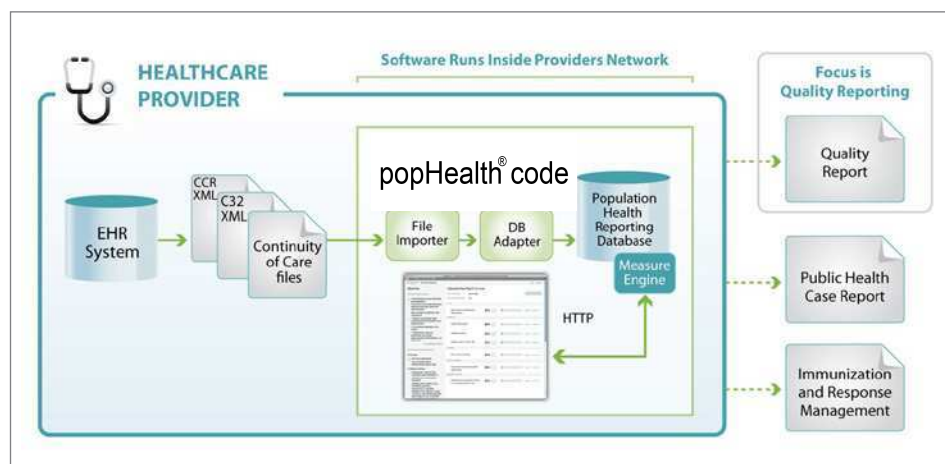
popHealth's innovative design leverages the generation of Continuity of Care records from a provider's EHR to produce the clinical quality measure reports. Specifically, popHealth leverages the HITSP CCD/

C32XML and ASTM CCR XML continuity of care standards as inputs. popHealth integrates with multiple EHR systems and will easily scale as clinical quality measures are added. Vendors and providers using clinical repositories for source data may directly integrate with popHealth and leverage the quality measure engine. popHealth is also designed to operate within a provider's infrastructure and export the PQRI XML as a reporting artifact for the transmission of summary data.

popHealth Sample Report

PopHealth was designed to be an informative and empowering tool for providers and their practice. The sample report below depicts a clinical quality dashboard for a practice. The quality measure percentages for the population are shown in the main frame. Valuable information on the patient population and the measure criteria are a short click away.





popHealth for Providers

Ease of Use: Intuitive design and easy access through a web-based interface.

Stratification: Stratifies patient populations by race, ethnicity, language and gender.

Multi-Provider Support: Displays for both a single-provider dashboard and multi-providers.

Manual Patient Exclusion: Supports the exclusion of patients based on provider rationale.

Patient Centric View: Allows providers to view the clinical quality measures for one individual.

popHealth for EHR Vendors

Open-Source: The software is freely available under Apache 2.0 open source distribution license.

Meaningful Use: Defines all 44 Meaningful Use Stage I Clinical Quality Measures and plans to support Stage 2.

Reference Implementation: Vendors can leverage to help guide their software development.

National Standards: Integrates using nationally recognized Continuity of Care data standards.

Streamlines Reports: Streamlines submission of clinical quality measure reports.

popHealth's Value

- **Supports quality:** Designed for reporting clinical quality measures for Meaningful Use of health IT.
- **Empowers providers:** At-a-glance indication of the documented performance for each measure.
- **Streamlines reporting:** Leverages standards for continuity of care records as inputs from EHR systems.
- **Engages the community:** An open source solution to support EHR vendor and eligible providers.

The popHealth software and more information are available at www.projectpophealth.org.

