Partnership to Conduct Research (PaCR) within PCORnet: Using PCORnet to Compare BP Control Strategies

- Term: 08/01/2018 – 07/31/2021
- Grantee: University of California, San Francisco
- Sub-recipient: OCHIN, Inc.
- Funding Agency: PCORI
- Grant Number: 868

The AHA’s and AMA’s Target:BP intervention program uses EHR data to help clinics monitor hypertension control metrics, but self-reported statistics coming from site-specific efforts may not be high quality, due to clinics’ varying EHR installations and data storage methods. This study explores the option of offering an efficient, inexpensive, and standardized surveillance and measurement infrastructure for the program to gather data and analyze hypertension control metrics at scale.

To assess how best to support clinics interested in improving hypertension control, this project will use and compare two different implementation strategies—self-guided support and full support led by OCHIN Practice Coaches—and evaluate the strategies’ advantages and sustainability potential.

To determine how to optimize home monitoring, the study will also compare the user experience and effectiveness of a Bluetooth-enabled home blood pressure cuff with additional features, including automated result tracking and transmission to providers, and patient education and reminders, versus a standard home monitoring cuff.

**Potential Impact**

This project aims to advance the cause of population-level hypertension control and improved cardiovascular health in the U.S. by evaluating how best to gather and analyze blood pressure control data, support clinics in improving their hypertension control rates, and optimize home monitoring.

A longer-term goal is to build a PCORnet-based infrastructure, with partners like the Cardiovascular Health Collaborative Research Group, AHA, and AMA, that can be readily reused to test future questions about how to improve hypertension control.

**Organizations Involved**

- University of California, San Francisco (UCSF)