



SIHF Healthcare Home Blood Pressure Monitoring Program

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Background

- According to the CDC, nearly 50% of all adults in the United States are affected by uncontrolled hypertension
- Uncontrolled hypertension disproportionately affects minorities and disadvantaged communities
- SIHF aims to serve underserved populations throughout Central and Southwestern Illinois
- The Health Resources & Services Administration (HRSA) provided a grant for patients throughout SIHF locations for cell enabled self measured blood pressure devices.

OBJECTIVES

- Address hypertension among racial and ethnic minority populations
- Improve health disparities and promote healthier lifestyles

Project Overview

- Project will be implemented for 2 years
- Patients issued blood pressure devices
- Patient results will be uploaded to the electronic health records system for patient and provider access
- Healthcare providers follow-up periodically with patients

Device Selection

- Patients will utilize A & D Medical UA-651BLE Premium Wireless Blood Pressure Monitor
- Monitor selected due to ability to integrate with the electronic health records system

Health Care Provider Training

All members of the healthcare team will be trained and assessed on protocols and proper blood pressure monitoring technique adapted from 2017 ACC/AHA guidelines

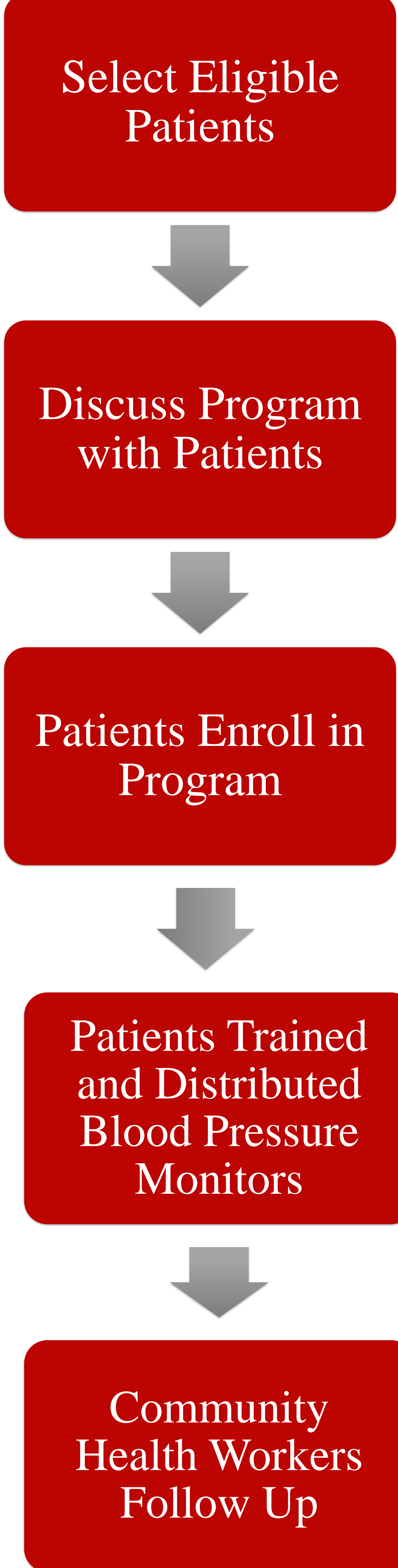
Key Steps for Proper Blood Pressure Measurements in Office

1. Properly Prepare the Patient
2. Use Proper Technique for Blood Pressure Measurements
3. Take the proper measurements needed for diagnosis and treatment of elevated blood pressure
4. Properly document accurate blood pressure readings
5. Average the readings

Patient Eligibility

- Patients will be considered if they meet the following criteria:
 - Have average blood pressure $\geq 140/90$ **OR**
 - Clinical ASCVD or 10-year CV risk $\geq 10\%$ with average blood pressure $\geq 130/80$ **AND**
 - Have access to Bluetooth enabled device (cell phone or tablet)
- Ineligible patients include those who:
 - Live in an assisted living facility
 - Patients with home health care assistant
 - Have terminal illnesses
 - Those who have the inability to self-monitor in any way (eg: dementia)

Operation Workflow



Financial Analysis

Budget: ~\$1.1 million

Product	Charge	Estimated Quantity	Total
BP Monitor	\$48	5,000	\$240,000
Tri-Fold Brochures	\$35	6,500	\$227,000
Educational Handouts	\$0.12	6,500	\$780
Incentives	\$10	5,000	\$50,000

Salaries for 2 community health workers: \$252,600

Monthly electronic health records system maintenance fees (24 months): \$124,000

Total remaining balance: \$205,620

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