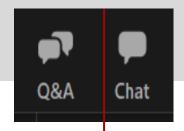
## **Evolving SMBP Programs:** Technology, Operations, & Sustainability

**September 22, 2021** 









Use the Q&A button to submit questions.

Upvote your favorite questions to bring them toward the top of the list for answering at the end of the Webinar

Watch for resource links in Chat.

Feel free to offer comments.







### **Agenda**

- Welcome
- SMBP Overview & Program Design
- Devices & Technology
- Coverage & Reimbursement
- Panel Presentations
- Panel Discussion / Q&A
- Closing & Evaluation







### **Learning Objectives**

 DESIGN | Define key decisions when planning and implementing an SMBP program including clinical roles, operational workflow, and device management

 TECHNOLOGY | List key considerations when evaluating devices, apps, and data platforms to relay SMBP measurements from patients to providers

 SUSTAINABILITY | Appreciate BP device coverage and provider reimbursement payor landscape, including a comparison of RPM and SMBP coding and billing

If you have seen 1 SMBP program...you have seen 1 SMBP program...













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**Baylor Scott and White Health** and Wellness Center



Alexa Pany, RN

SKWC Nurse Care Manager and LGBTQ Health Champion Stephen Klein Wellness Center

### **Poll #1**

How would you describe your organization's stage of SMBP program adoption?

- A. Considering, but not started
- B. Actively planning
- C. Implementing a pilot or initial stage
- D. Scaling
- E. Fully implemented
- F. Unsure







### **SMBP Overview**







### Indications for & benefits of SMBP



#### Improve the accuracy of diagnosing hypertension

- Out-of-office BP measurements are recommended to confirm the diagnosis of hypertension.
- Rule-out Masked Hypertension or White-Coat Hypertension



#### **Better manage hypertension**

- Recommended for titration of BP-lowering medication, in conjunction with telehealth counseling or clinical interventions.
- Used before subsequent office visits to determine if their blood pressure is controlled.



#### Help patients adhere to pharmacological treatment

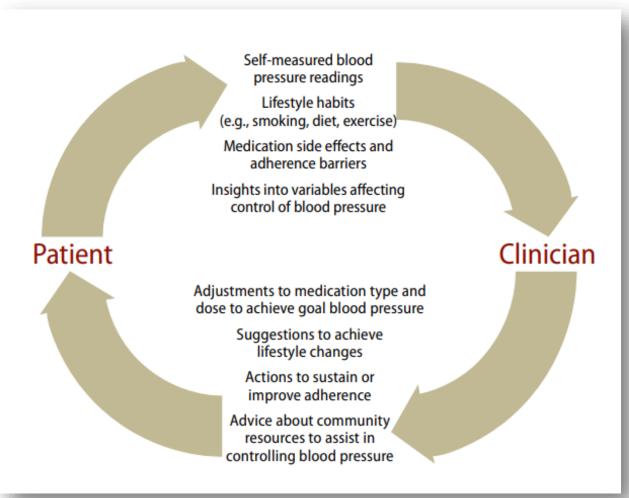
 Patients who engage in SMBP may be more likely to take action to improve their health in other ways.







## Critical cycle of SMBP



Centers for Disease Control and Prevention. Self-Measured Blood Pressure Monitoring: Actions Steps for Clinicians. Atlanta, GA: Centers for Disease Control and Prevention, US Dept of Health and Human Services; 2014.







### Challenges to successful use of SMBP

#### For people using SMBP

- Lack of understanding of benefits / language in tools
- Measurement frequency
- Out-of- pocket costs and transportation
- Access to and use of technology / sharing results

#### For providers and clinical care teams

- Inaccuracy of devices
- Workload (training patients, averaging results)
- Lack of reimbursement for devices purchased / services

#### For health systems/health centers

- Procuring validated devices with multiple cuff sizes
- Systems to transfer/receive SMBP data
- Support for cointerventions
- Financial incentives

Slide courtesy of Michael Rakotz, MD, AMA





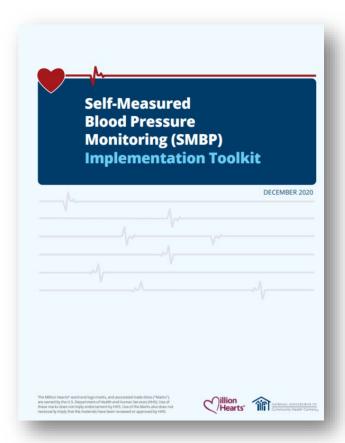


## **SMBP Program Design**









https://www.nachc.org/wp-content/uploads/2020/12/SMBP-Toolkit\_FINAL.pdf





# SMBP IMPLEMENTATION TOOLKIT

#### PURPOSE:

This toolkit is designed to help organizations implement self-measured blood pressure monitoring (SMBP) successfully into their care processes and workflows.

#### ORGANIZATION:

It is comprised of four parts that will help organizations determine their goals and priority populations, align their SMBP patient training approach to their practice environment, consider SMBP tasks by role—and particularly how many can be accomplished by a non-clinician, and ultimately develop a protocol that will help organizations implement SMBP using a comprehensive, practical, step-by-step approach based on the experiences and lessons learned of other implementing organizations and in accordance with the June 2020 Self-measured Blood Pressure Monitoring at Home: A Joint Policy Statement from the American Heart Association and American Medical Association.

#### INSTRUCTIONS:

- 1 Complete Determining Your SMBP Goals and Priority Populations
- 2 Work through the SMBP Protocol Design Checklist
- Use the <u>SMBP Tasks by Role</u> and <u>Aligning your SMBP Patient Training Approach</u> to your <u>Practice Environment</u> diagrams to adapt your SMBP care model to your patients' preferences, staffing capacity, other clinical initiatives or priorities, and local environment.









#### SMBP PROTOCOL DESIGN CHECKLIST

#### HOME BP MONITORS

ш	OME BY MONITORS	
0	Determine which home BP monitors to use.  Choose a <u>validated upper arm device</u> .  Consider: whether it comes with an XL cuff, Bluetooth capability, memory storage capacity, multiple users, ease of use, insurance coverage, cost	Selected Home BP Monitor:
	Determine how patients will obtain home BP monitors	□ Loaned □ Purchased by health center (for patient to keep) □ Purchased by patient □ Purchased by supporting organization (for patient to keep) □ Purchased through insurer
	Determine how patients will physically receive their home BP monitor, if loaned or purchased by other than the patient	☐ Full face-to-face visit☐ Mailed to patient☐ Quick stop by health center☐ Staff delivers to patient☐
	Determine number of home BP monitors to purchase (if loaned, plan on 3 devices per care team)	□ Number of home BP monitors to purchase: □ Patient Keeps: □ To Loan:
	Note: 50% of health center patients required XL cuff sizes among the 10 health centers that participated in the NACHC Accelerating SMBP Project.	□ Number of Standard/Large Cuffs (fits arm sizes 8.75" – 16.5"): □ Patient Keeps: □ To Loan: □ Number of Extra-Large Cuffs (fits arm sizes 15.75" – 21.25"): □ Patient Keeps:
٥	Determine how long patients will keep monitors (if loaned) (e.g., 2 weeks, 1 month, etc.)	Our protocol:
٥	Determine how patients will return monitors	Our protocol:
	Determine what controls to put in place if patients do not return home BP monitors (e.g., # of phone calls, # letters, etc.)	Our protocol:
	Determine where home BP monitors will be physically stored (consider separate locations for "clean" vs. "dirty")	Our protocol:
٠	Determine how home BP monitors are tracked, inventoried, cleaned, and managed	Our protocol:





#### **Device Management Considerations:**

- Select BP devices
- Loaned and/or given
- Distribution method
- # of devices
- Cuff sizes
- Duration of use
- Return process
- Storage
- Tracking
- Cleaning













#### SMBP PROTOCOL DESIGN CHECKLIST

#### KEY SMRP STAFF

1	SMBP Coordinator (has authority, time, and skills to coordinate all aspects SMBP implementation)	SMBP Coordinator:						
•	SMBP Trainers (at least one per site; educates patient on how to use the	Site	SMBP Trainer	Available Daily for Warm Handoff				
	home BP monitor, how to get home BP readings back to the care team, how often to do measurements, and			☐ Yes ☐ No				
	proper technique)			☐ Yes ☐ No				
				☐ Yes ☐ No				
3	SMBP Device Manager (tracks, inventories, cleans, calibrates, stores home BP monitors)	Site	SMBP Device Man	ager				
_	SMBP Clinical Champion (has time	Site	SMBP Clinical Cha	mpion				
	to facilitate implementation success, key influencer)							
	SMBP Outreach Coordinator	Site	SMBP Outreach Co	oordinator				
	(coordinates contacting patients to recommend SMBP and after they							
	initiate SMBP to ensure understanding of proper measurement technique, etc.)							
3	SMBP Data Manager (receives, possibly enters, prepares, and manages SMBP data)							

#### **Staffing Roles:**

- Coordination
- Training
- Device management
- Clinical champion
- Outreach
- Data management











SMBP PATIENT IDENTIFICATION	
Determine any selection criteria beyond eligibility for population of focus (e.g. consider availability of interpreters, physical or mental capacity to use a home blood pressure monitor, safe place to store a home blood pressure monitor, no show history, patient interest, etc.)	Our protocol:
☐ Determine patient identification methods	□ At the point of care:     □ Clinical decision support in EHR     □ Clinician recommends     □ Patient screening/preference survey     □ Pre-visit planning     □ Patient requests to do SMBP     □ Registry queries and targeted outreach
□ Determine how to assess if appropriate patients are being identified and offered SMBP	Our protocol:
SMBP RECOMMENDATION	
<ul> <li>Determine who recommends SMBP to the patient at the point of care</li> </ul>	☐ Clinician☐ MA☐ Nurse☐ Pharmacist☐ Other
☐ (If applicable) determine who conducts outreach calls to recommend SMBP to the patient	☐ Clinician☐ MA Nurse☐ Pharmacist☐ Other
SMBP TRAINING	
□ Determine who trains the patient on SMBP  See <u>SMBP Task by Role</u>	☐ Clinician ☐ MA ☐ Nurse ☐ Pharmacist ☐ Other
<ul> <li>Determine how the patient will connect with the SMBP Trainer (e.g., warm hand-off, follow-up visit, etc.)</li> </ul>	Our protocol:
☐ Determine SMBP training curriculum/resources (e.g., What is SMBP?; protocol (2 measurements AM and PM for 7 days, how to use the device; how to take BP at home properly (technique); how to	Our protocol:





#### **Identify appropriate patients**

- Clinical criteria
- Identification
- Appropriateness

#### **Recommend to patient**

- Who/When/Where/How

#### **Train patient**

- Who/When/Where/How
- Curriculum/Resources









#### SMBP MONITORING TASKS BY ROLE

From: Accelerating Use of Self-measured Blood Pressure Monitoring (SMBP) Through Clinical-Community Care Models

#### MUST BE DONE BY LICENSED CLINICIAN

- 1 Diagnose hypertension
- Prescribe medication(s)
- 3 Provide SMBP measurement protocol
- Interpret patient-generated SMBP Readings
- Provide medication titration
- (B) Provide lifestyle modification recommendations

#### MUST BE DONE BY PATIENT

- 1 Take SMBP measurements
- Take medications as prescribed
- Make recommended lifestyle modifications
- Convey SMBP measurements to care team
- Convey side effects to care team

#### CAN BE DONE BY SMBP SUPPORTER

- Provide guidance on home blood pressure (BP) monitor selection
- If needed, provide home BP monitor (free or loaned)
- Provide training on using a home BP monitor
- Validate home BP monitor against a more robust machine
- Provide training on capturing and relaying home BP values to care team (e.g., via device memory, patient portal, app, log)
- Reinforce clinician-directed SMBP measurement protocol
- Provide outreach support to patients using SMBP
- Share medication adherence strategies
- Provide healthy lifestyle education

#### **OPTIONAL SMBP SUPPORTER TASKS**

- Reinforce training on using a home
   BP monitor
- Reinforce training on capturing and relaying home BP values to care team (e.g., via device memory, patient portal, app, log)
- Reinforce knowledge of behaviors that can trigger high blood pressure

'Medical assistant, community health worker, local public health department/community organization representative, etc.





#### **Licensed Clinician**

- Diagnose
- Prescribe / titrate
- Define protocol
- Interpret readings
- Recommend lifestyle change

#### **Supporting Team**

- Device training
- Device calibration
- Relay measurements
- Lifestyle education







## **Devices & Technology**

- Overview
  - Devices
  - Platforms







### SMBP tracking and data exchange

SMBP data capture

Sharing data with provider/ clinical team

Verification of SMBP protocol

Presentation of SMBP data average







## SMBP tracking and data exchange



Paper Tracker

In what form is the SMBP data captured? Device's Memory

**Patient Portal** 

Mobile Application (App)







### Poll #2 / chat questions

SMBP data capture

Sharing data with provider/ clinical team

Verification of SMBP protocol

Presentation of SMBP data average

Poll: How are you currently asking or planning to ask your patients to capture SMBP data? (select all that apply)

- a) Paper Tracker
- b) BP Device Memory
- c) Patient Portal
- d) Mobile Application (App)
- e) Some other way
- f) N/A or Unsure



Chat: Please share the name of the device, portal, and/or App







### SMBP tracking and data exchange

## SMBP data capture

## Sharing data with provider/clinical team

Paper Tracker

Device's Memory

Patient Portal

Mobile Application (App)

How and what frequency is the data shared with the provider/clinic al team?

What form is the data made available?

Show provider/clinician during appointment

Email measurements

External dashboard

Incorporated within EHR







### Poll #3 / chat questions

SMBP data capture

Sharing data with provider/ clinical team

Verification of SMBP protocol

Presentation of SMBP data average

Poll: How are patients sharing/going to share data with providers? (select all that apply)

- a) Show provider during appointment
- b) Email measurements
- c) View on external dashboard (3<sup>rd</sup> party)
- d) Incorporated into EHR
- e) Some other way
- f) N/A or Unsure









### SMBP tracking and data exchange

**Sharing data SMBP** data with provider/ **Verification of SMBP protocol** capture clinical team Show Paper Tracker provider/clinician during appointment Email Device's Memory Ensure the SMBP data meets the measurements minimum acceptable standards for clinical decisions **Patient Portal** External dashboard Incorporated within Mobile Application EHR (App)







### SMBP tracking and data exchange

SMBP data capture
Paper Tracker
Device's Memor

#### **Sharing data** with provider/ clinical team

### Verification of SMBP protocol

#### **Presentation of SMBP data** average

Show provider/clinician during appointment

Email measurements

**Patient Portal** 

Mobile Application (App)

External dashboard

Incorporated within **EHR** 

Ensure the SMBP data meets the minimum acceptable standards for clinical decisions

Is the data presented in a 7-day average or does this need to be calculated manually?

Does the average need to be documented in the EHR?

Manual average calc. & documentation

Auto calculated average, manual documentation

Auto calculated average & documentation







## SMBP tracking and data exchange – low-tech

**SMBP** data capture

**Sharing data** with provider/ clinical team

Verification of **SMBP** protocol **Presentation of SMBP** data average

Paper Tracker

Show provider/clinician during appointment Manual average calc. & documentation

Device's Memory

**Email** measurements Ensure the SMBP data meets the minimum

acceptable

standards for

clinical decisions?

average, manual documentation

Auto calculated

**Patient Portal** 

External dashboard

Auto calculated average & documentation

Mobile Application (App)

Incorporated within EHR

American Heart





## SMBP tracking and data exchange – high-tech

SMBP data capture

Paper Tracker

Device's Memory

**Patient Portal** 

Mobile Application (App)

Sharing data with provider/ clinical team

Show provider/clinician during appointment

Email measurements

External dashboard

Incorporated within EHR

Verification of SMBP protocol

Ensure the SMBP data meets the minimum acceptable standards for clinical decisions?

Presentation of SMBP data average

Manual average calc. & documentation

Auto calculated average, manual documentation

Auto calculated average & documentation







### SMBP tracking and data exchange

May need to consider more than 1 tracking/data exchange pathway to meet the needs of all your patients.

## SMBP data capture

Paper Tracker

Device's Memory

**Patient Portal** 

Mobile Application (App)

# Sharing data with provider/ clinical team

Show provider/clinician during appointment

Email measurements

External dashboard

Incorporated within EHR

## Verification of SMBP protocol

Ensure the SMBP data meets the minimum acceptable standards for clinical decisions?

# Presentation of SMBP data average

Manual average calc. & documentation

Auto calculated average, manual documentation

Auto calculated average & documentation







### **Privacy and security**

Consult with your legal team to ensure you are following federal and state laws and institutional policy

What data is collected?

How is the data stored?

How/what data is securely transmitted?

How is the data used?

Who else has access to the data?

Note / Disclaimer: Every situation is different and nothing in the presentation should be construed as legal advice







### **BP Measurement Devices**







### Equipment selection and care: Validation

If you have semi/fully automated devices, check if they are clinically validated on the new US Blood Pressure Validated Device Listing (VDL<sup>TM</sup>)

https://www.validatebp.org/



Office (6), Kiosk (4), Home (20), Ambulatory (2) from 7 manufacturers with more to come

Check back periodically to see more devices being reviewed and added soon

#### Other reliable sources:

- Hypertension Canada: <a href="https://hypertension.ca/hypertension-and-you/managing-hypertension/measuring-blood-pressure/devices/">https://hypertension.ca/hypertension.ca/hypertension-and-you/managing-hypertension/measuring-blood-pressure/devices/</a>
- Stride BP: https://www.stridebp.org/bp-monitors
- British and Irish Hypertension Society: <a href="https://bihsoc.org/bp-monitors/">https://bihsoc.org/bp-monitors/</a>







### **Device evaluation**





#### CHOOSING A HOME BLOOD PRESSURE MONITOR FOR YOUR PRACTICE

DEVICE MANUFACTURER	DEVICE NAME	CAPABILITIES  OVERVIEW  DEVICE INTEGRATION  CAPABILITY  (Device works with broader remote patient management/care management platforms)		DATA INTEGRATION CAPABILITY (Patient data sent from a Bluetooth device can be integrated into a EHR, population health management system, clinical portal and/or device-agnostic management app.)	DATA SECURITY & HIPAA COMPLIANCE (Affiliated Apps and Clinical Portals)		TECHNICAL SUPPORT	COST & GROUP PURCHASING OPPORTUNITIES	OTHER
		On US Validated Device List: Upper Arm Device: -XL Cuff Available: -Bluetooth-Enabled Self Reporting: -AC Adapter Available: -Memory Storage Capacity: -Number of Users: -Averaging Capability: -Monitoring dashboard:	Notes:	Notes:	Notes:	Notes:	Notes:	Notes:	Notes:

- Manufacturer
- Device name / model
- Device integration capabilities
- Data integration
- Data security & HIPAA compliance
- Ease of use
- Technical support
- Cost & group purchasing

https://www.nachc.org/wp-content/uploads/2021/05/Home-BP-Monitor-Considerations-and-Comparisons Notes-and-Rubric.xlsx







### **Device comparison**

#### CHOOSING A HOME BLOOD PRESSURE MONITOR FOR YOUR PRACTICE **At-a-Glance Comparison**





LEGEND: YES

DEVICE MANUFACTURER	DEVICE NAME	ON U.S. VALIDATED DEVICE LISTING	UPPER ARM DEVICE	XL CUFF AVAILABLE	BLUETOOTH- ENABLED SELF REPORTING	AC ADAPTER AVAILABLE	MEMORY STORAGE CAPACITY (measurements per user)	NUMBER OF USERS	AVERAGING CAPABILITY (Device takes 2-3 measurements automatically and calculates the average)	MONITORING DASHBOARD	CAPABILITY (Device works with broader remote patient management/care management platforms)	DATA INTEGRATION CAPABILITY (Patient data sent from a Bluetooth device can be integrated into a EHR, population health management system, clinical portal and/or device-agnostic management app.)	LIST PRICE (Per Device
A&D Medical	UA-651 Essential	*					30	1					\$35
A & D Medical	UA-651BLE Wireless	*					30	1					\$61
A&D Medical	UA-767F Premium	*					60	4					\$62
A&D Medical	UA-1030T Talking						90	1					\$83
A & D Medical	Ultraconnect Wireless						100	5					\$90
A&D Medical	UA-789AC Extra Large	**					60	1					\$151
Hillrom-Welch Allyn	Welch Allyn Home Blood Pressure Monitor 1700 Series						99	1					\$100
Omron	Bronze Upper Arm						14	1					\$39
Omron	3 Series Upper Arm						14	1					\$50
Omron	Silver Wireless						80	1					\$51
Omron	5 Series - Upper Arm						60	2					\$65
Omron	5 Series Upper Arm Wireless						60	1					\$70
Omron	Gold Upper Arm						60	2					\$70
Omron	Platinum Upper Arm						100	2					\$75
Omron	7 Series Upper Arm Wireless						60	2					\$90
Omron	10 Series Upper Arm Wireless						100	2					\$100
Omron	HEM-9200T	*					100	1					\$100
Omron	HEM-9210T	*					100	1					\$115
Omron	Complete Wireless						90	1					\$199
Withings	BPM Connect						16	8					\$100
Withings	BPM Connect Pro						16	8					\$150

At-a-Glance Comparison provides a high-level overview of select home blood pressure monitor devices. This resource can be used in combination with the Choosing a Home Blood Pressure Monitor Notes Sheet and Choosing a Home Blood Pressure Monitor Scoring Rubric to assist your organization in selecting a home blood pressure monitor device for purchase. Individual research and, if possible, hands-on demonstration of the devices are highly recommended before selecting a device for purchase. All At-a-Glance information is current as of 5/20/2021

The Million Hearts\* word and logo marks, and associated trade dress ("Marks"), are owned by the U.S. Department of Health and Human Services (HHS). Use of these marks does not imple endorsement by HHS. Use of the Marks also does not necessarily imply that the materials have been reviewed or approved by HHS.

#### **Device Features**

- Validated
- Upper arm
- XL cuff
- Bluetooth-enabled
- Memory / # readings
- # Users
- Averaging
- Dashboard report
- Device integration
- Data integration
- List price

https://www.nachc.org/wp-content/uploads/2021/05/Choosing-a-Home-BP-Monitor At-a-Glance-Comparison.pdf







<sup>\*</sup> Device currently in the process of validation

<sup>\*\*</sup> Manufacturer planning to submit to VDL

#### Validated blood pressure device procurement policy & procedure template

# AMA and AHA created a template policy for procurement of validated devices and distribution to patients

 Intended for health care organizations and employers

#### **Policy Objectives**

- Create a systematic approach for using institutional resources in alignment with current clinical guidelines
- Ensure equal and equitable patient access to high quality devices and avoid the potential for creating tiered or disparate access to validated devices through a supportive and inclusive structural policy

#### **POLICY**

- Organizational **resources** will only be used for validated blood pressure (BP) measurement devices. Resources include but not limited to:
  - Budget, grants, sponsorship, in-kind, community benefit dollars, etc. Directed budget operating or capital expenses for medical supply or device procurement.
- 2. Organizational resources will only be used for validated blood pressure devices including but not limited to the **following purposes**:
  - Ambulatory clinical practices, trainings, screening events, research, gift/giveaways, workplace kiosks, employee benefits







#### Validated blood pressure device procurement policy & procedure template

#### **PROCEDURE**

- When purchasing any blood pressure device, follow bidding procedures (consistent with existing procurement policies) for validated devices meeting the needed specifications.
  - Consider needed cuff sizes as part of the bid specifications, noting that not all validated devices have been tested for clinical accuracy with all of the cuff sizes available with a particular model.
- 2. Ensure that **device distribution is coupled with a plan** for:
  - In-clinic use: Healthcare professionals training resources for proper measurement technique and calibration.
  - In-home use: Patient education resources for proper measurement, recording, calibration, plan for relay of information to provider.
  - Appropriate cuff sizing with the patient.







### **SMBP Data Platforms**







### **SMBP** platforms

 The SMBP platform can be a bridge between the blood pressure device and the electronic health record.

- It can solve the problem of:
  - Manual data entry
  - Selective reporting
- It can also be used to:
  - Facilitate the use of validated devices
  - Promote health literacy
  - Provide an integration into the electronic health record
  - Connect to social platforms and other resources









### What is the role of the SMBP platform?

- Provide a bridge between the reading taken by the device and the Health Center-Professionals
- Provide a way to aggregate and analyze data taken by the patient, in the home.
- Provide direct access to the Health Center's back office (EHR, billing)
- Provide a method of providing sustained feedback, education and mentoring to the patient
- Provide a method of providing healthcare professionals with valid blood pressure measurements, taken in the home, between visits
- Connect to other services that may help with hard to solve problems







### The SMBP process: Follow the data

Patient is identified for SMBP by healthcare professional



Patient begins taking blood pressure readings in the home



Patient returns to the clinic for follow-up readings



Patient acquires access to home blood pressure device

- How do they track their progress?
- What feedback do they receive?

How do the readings get back to the Health Center?

- How do they measure the patient's individual progress
- How do they evaluate the success of the program?
- How does the data integrate with EHR, billing, reporting?











### SMBP platforms: What questions to ask

- What is the business model and description of platform?
- How is blow pressure measured?
  - Use of different cuff sizes
  - Use of validated devices (VDL™)?
- How is the data transmitted? (Bluetooth, cellular, manual)
- What are your EHR integration capabilities?
- Do you have internet/Wi-Fi connection requirements?
- What is the user interface? (app, wearable, browser)
  - User messaging/alerts
  - User dashboard/reporting
  - User coaching
- Does your solutions include a care plan?







### Other key questions

- Do you have a social/community navigation system?
- Does it identify gaps in care?
- What languages are supported?
- Does it support cultural adaptation?
- Is it a diverse supplier?
- Is there user training/support/maintenance?
- Does it support administrative reporting/track outcomes?
- Does it have telemedicine capability?







### **Summary of findings**

- 1. The majority of platforms do not use devices that are on the VDL. Many are now in the validation process.
- 2. Most, but not all, allow for different cuff sizes, and do not charge extra for larger cuffs.
- 3. Data transmission is split evenly between Bluetooth and cellular.
- 4. About half provide a care plan or digital coaching.
- 5. More than half provide telemedicine services.
- 6. About one-third use a social navigation service.
- 7. Business model varies. Platforms describe themselves in many ways, including SAAS, PAAS, DAAS, SMBP, digital therapeutics, mobile apps, devices, and electronic health records.
- 8. Many represent diverse businesses, including female, veteran, and immigrant ownership.







### Conclusions

- There is no system that 'checks' all of the boxes.
- Evaluate the functionality of the platform based on the specific needs of the health center.
- Consider use of social navigation as a component of the platform to mitigate many
  of the barriers to blood pressure control, such as transportation, food insecurity, and
  pharmacy.

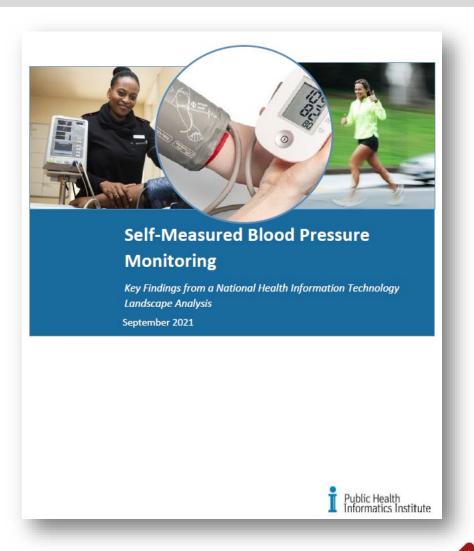




### **NEW:** Public health informatics institute report

- Regulatory & policy
- Interoperability standards
- SMBP in practice
- SMBP health IT data flow use case
- Terms, value sets, and more....

https://phii.org/wp-content/uploads/2021/09/PHII-Report-on-SMBP WebsiteVersion 9.14.2021.pdf









### Poll #4

What are your barriers to using an SMBP platform? (select all that apply)

- A) Set up costs
- B) Maintenance costs
- C) BP Device compatibility
- D) EHR compatibility
- E) Provider / care team workflow
- F) Patient considerations









# SMBP Coding, Billing, & Reimbursement







# Challenges with coding and payment

- Many complex questions around how to code and bill for SMBP services
- For coding purposes, SMBP is a subset of RPM services
  - Different parameters and requirements, with different reimbursement rates
- Still some variability in insurance coverage (public and private)
- Working through these questions with your coding, finance, and legal teams will help maximize those revenue opportunities

Is it covered by insurance?

What about devices?

What is billable?

What's the difference between SMBP and RPM?



Who can provide the service?

What is the reimbursement rate?



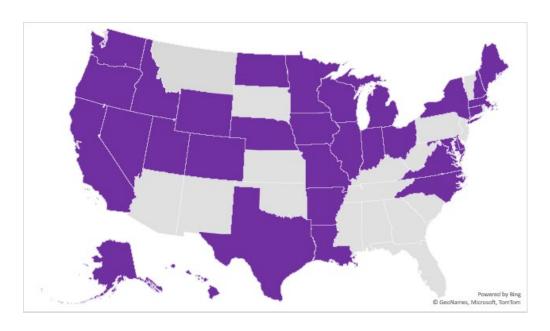




# State of coverage for SMBP - Medicaid analysis

- Landscape of state Medicaid programs that cover SMBP clinical services and automated BP devices
  - Continued initial research by CDC Million Hearts team
  - Research compiled from Medicaid provider fee schedules and handbooks, and durable medical equipment (DME) fee schedules
  - Included any limitations or parameters to coverage
- Exciting that many states now offer some level of coverage, but gaps still remain
  - Device reimbursement may not be sufficient (\$60 average, validated device average \$85)

# 32 states and D.C. currently provide some level of coverage for an automated BP device









### **Medicaid snapshot**

### **SMBP Services and Automatic Device**

(99473, 99474, and A4670, n=13)

Delaware\*, Hawaii, Idaho, Indiana\*, Michigan\*, North Carolina, North Dakota\*, Ohio, Oregon, Texas\*, Virginia\*, Wisconsin\*, Wyoming\*

\*These also cover the extra BP cuff (A4663) 8 of the 13

#### **SMBP Services ONLY**

(99473 and 99474, n=8)

Arizona, Florida, Georgia, Kansas, Kentucky, Montana, New Jersey, New Mexico

### **Automated Blood Pressure Device ONLY**

(A4670, n=20)

Alaska\*, Arkansas, California\*, Colorado\*, Connecticut\*, D.C.\*, Illinois\*, Iowa, Louisiana\*, Maine, Maryland\*, Massachusetts\*, Minnesota\*, Missouri\*, Nebraska, Nevada, New Hampshire\*, New York\*, Utah\*, Washington\*

\* These also cover the extra BP cuff (A4663) **15 of the 20** 







### **SMBP** codes

Clinical services

CPT® Code	Code Description
99473	SMBP using a device validated for clinical accuracy and patient education/training and device calibration
99474	separate self measurements, collection of daily reports by the patient or caregiver to the healthcare provider, communication of BP readings and treatment plans

Devices

HCSPCS Code	Code Description		
A4670	Automatic blood pressure device		
A4663	Blood pressure cuff only		
A4660	Mercury sphygmomanometer with a cuff and stethoscope		

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# Remote physiologic monitoring (RPM) codes

	CPT® Code	Code Description
	99453	Remote monitoring of physiologic parameter(s) (eg, weight, blood pressure, pulse oximetry, respiratory flow rate), initial; set-up and patient education on use of equipment.
Device	99454	Device(s) supply with daily recording(s) or programmed alert(s) transmission, each 30 days.
Treatment Management Services (TMS)	99457	Remote physiologic monitoring treatment management services, 20 minutes or more of clinical staff/physician/other qualified healthcare professional time in a calendar month requiring interactive communication with the patient/caregiver during the month.
	99458	Remote physiologic monitoring treatment management services, clinical staff/physician/other qualified health care professional time in a calendar month requiring interactive communication with the patient/caregiver during the month; additional 20 minutes
		Collection and interpretation of physiologic data (eg, ECG, blood pressure, glucose monitoring)

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applicable) requiring a minimum of 30 minutes of time, each 30 days.

digitally stored and/or transmitted by the patient and/or caregiver to the physician or other

qualified healthcare professional, qualified by education, training, licensure/regulation (when



99091





# SMBP codes offer flexibility and low-tech options

**SMBP** data capture

**Sharing data** with provider/ clinical team

Verification of **SMBP** protocol **Presentation of SMBP** data average

Paper Tracker

Show provider/clinician during appointment Manual average calc. & documentation

Device's Memory

**Email** measurements Ensure the SMBP data meets the minimum

acceptable

standards for

clinical decisions?

Auto calculated average, manual documentation

**Patient Portal** 

External dashboard

Auto calculated average & documentation

Mobile Application (App)

Incorporated within EHR







# RPM codes require more high-tech options

SMBP data capture

Paper Tracker

Device's Memory

**Patient Portal** 

Mobile Application (App)

Sharing data with provider/ clinical team

Show provider/clinician during appointment

Email measurements

External dashboard

Incorporated within EHR

Verification of SMBP protocol

Ensure the SMBP data meets the minimum acceptable standards for clinical decisions?

Presentation of SMBP data average

Manual average calc. & documentation

Auto calculated average, manual documentation

Auto calculated average & documentation



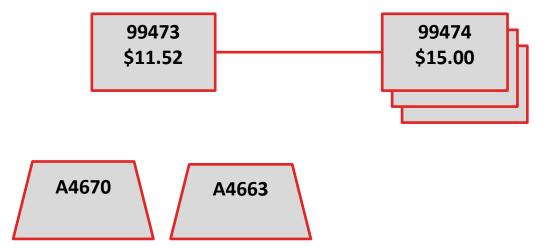




### Parameters for reimbursement

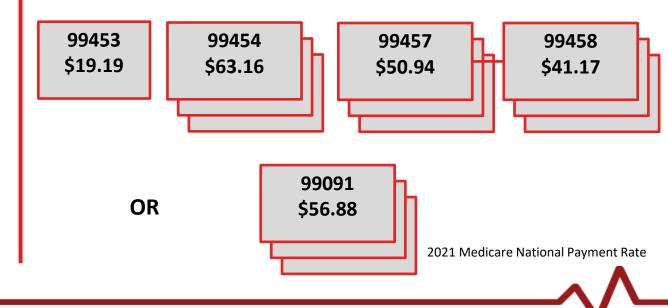
### **SMBP**

- Readings and communication can be non-digital
- Minimum number of readings required (12, averaged)
- Device obtained by patient
- No time requirements by providers



### **RPM**

- Requires a connected device with automatic digital transmission
- Minimum number of days required for readings (16)
- Device provided to the patient
- Minimum time for interactive patient communication









# Clinical quality measures

### Controlling High Blood Pressure

Measure	Patient Reported BP allowed	Transmission of BP required	Notes
CMS165v10 / UDS - 2022			Clinician responsible for ensuring device is reliable and readings are accurate
CMS165v9/ UDS - 2021			Digital storage on device, recorded into health record
HEDIS - 2021			
MIPS 236 - 2021			
NQF 0018 TBD			Annual update in progress







### Additional info

NACHC Reimbursement Guide for FQHCs (just released!)

AMA/AHA recently submitted a Medicare National Coverage Determination (NCD) request for automated BP devices

Encourage comments when the request is opened for public comment





Reimbursement Tips:

Community Health Center Requirements for Remote Physiologic Monitoring (RPM) & Self-Measured Blood Pressure (SMBP)

e Physiologic Monitaring (RPM), including self-measured blood pressure (SMBP), involves a patient's use of to assess and record physiologic data outside of the clinical setting, usually in the home. RPM may require and treatment management services which may be furnished by a qualified provider. CMS currently does not are RPM services separately from the FQHC PPS payment.

#### During the Public Health Emergency (PHE):

CPT code 99473 "self-measured blood pressure using a device validated for clinical accuracy; patient education/ training and device calibration" is included on the CMS list of temporary telehealth services that may be provided during the PHE. In order to be reimbursed for this service, FQHCs would bill for it using the telehealth G2025 code and receive \$99.45. There is no reimbursement separate from the PPS payment if CPT 99473 services are provided in a face-to-face visit during the PHE.



#### > Program Requirements

emote Physiologic Monitoring (RPM) refers to the use of levice(s) for remote monitoring of physiologic parameter e.g., weight, blood pressure, pulse oximetry, respiratory flow rate). The medical devices used must be defined by

patient participation in their own care. Devices used for SMBP must be validated for clinical accuracy. Two new codes for SMBP were added effective January 1, 2020. Wi respect to coding, SMBP is a type of RPM. Remote Physiologic Monitoring Treatment Manageme Services (RPM TMS) are provided when clinical staff/ physician/other qualified health care professional use the result of RPM to manage a patient under a specified restiment plan. RPM TMS involves interactive. pecified treatment plan. RPM TMS involves interactiv communication which includes real-time synchrono two-way audio interaction that is capable of being enhanced with video of other kinds of data transmit



#### Patient Eligibility & Consent

A FQHC practitioner (e.g., MD, DO, NP, PA) determines if patients meet the criteria for RPM and if they are likely to benefit from these services. RPM may be used for patients with acute conditions as well as patients with chronic conditions. The inclusion of acute conditions was confirmed by CMS effective January 1, 2021 as written in section 84543 of the CMS 2021 PFS Final Rule

Patient consent for RPM is required and must be documented. If blood pressure or other measurement devices are offered by health centers, consent can be included as part of the agreement to provide the device.



#### Timeframe & Services

#### Remote Physiologic Monitoring (RPM)

Can be used with patients to:

- · Develop and manage a treatment plan for acute or chronic illnesses.
- · Monitor physiologic parameters (e.g., pulse oximetry, blood pressure, weight).
- Collect and interpret physiologic data (e.g., blood pressure, blood glucose, heart rate, EEG).
- Provide RPM TMS to manage patients involved in existing treatment plans.

CPT CODE		Outside of PPS
CPT 99091	The collection and interpretation of physiologic data (e.g., ECG, blood pressure, glucose monitoring digitally stored and/or transmitted by the patient and/or caregiver to the physician or other qualified health care professional. In this instance, a QHP is qualified by education, this instance, a QHP is qualified by education, this instance, a QHP is a minimum of 30 minutes of interpretation and review and b billiable once in seath 30-day billing period.	No
CPT 99453 Initial set-up and patient education on use of device(s) for remote monitoring of physiologic parameters (e.g., weight, blood pressure, pube oximiter, inspiratory flow rate). May not be reported for more than one episode of care which is defined as beginning with initiation of RPM and ending when targeted treatment goals are achieved. Think of this as the code to use one time to report patient education on the device.  CPT 99454 Supply of the device used for daily recording or programmed alert treatmissions of physiologic parameters, each 30 days. In short: Data transmissions; providing the device to and programming it for the patient.		No
		No

Provides can perform 99453 and 99454 services, if medically necessary, without being required to perform 99097 or 99457 services. PQHCs are encouraged to collect and report any IPM services they provide, even when not reimbursed for them. Reporting the applicable service codes helps support the case that FCHCs furnishing RPM services should be reinsbursed outside of the Medicare PPS payment.

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### Key coding & billing questions

- Consider the patient role in SMBP and RPM
  - Does the patient already have a validated device? Is connectivity or use of technology a concern? Will patient stay engaged in RPM given frequency of readings?
- Consider needed staff, resources, and vendor contracts
  - Do you have the personnel needed to evaluate devices, distributors, DME, tech vendors?
  - What are costs to deliver the service? Does RPM come with cost obligations?
  - Provider availability and supervision based on code requirements?
- Consider how the services are impacted when PHE ends and waivers no longer in effect
  - Device calibration, copays/coinsurance?







### **Poll #5**

Which codes do you use for BP monitoring? (select all that apply)



- A. RPM codes (99453, 99454, 99457, 99458, 99091)
- B. SMBP codes (99473, 99474)
- C. Not currently coding for BP monitoring
- D. Unsure
- E. N/A since not currently performing SMBP





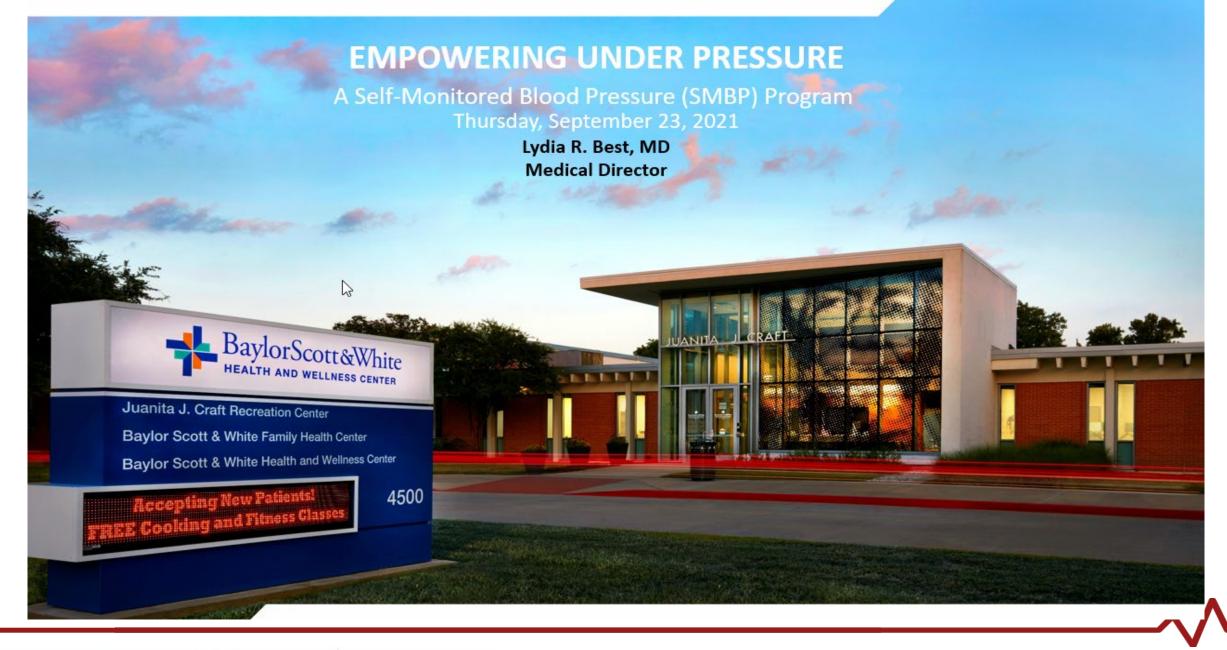


### **SMBP Panel Presentation**















### SMBP PROGRAM GAP ANALYSIS

PROPOSED UPGRADES TO SERVE PATIENTS DURING THE PANDEMIC SHUT DOWN AND BEYOND

**PRESCRIPTIONS** FOR LOW-**COST METERS** 

2019-2021

FREE METER OPTION

PRINTED **INSTRUCTIONS ON SMBP** 

2019-2021

IN PERSON AND VIRTUAL SMBP DEMOS (TOUCHLESS)

PCP-LED **MANAGEMENT**  2019-2021

**TEAM BASED MANAGEMENT** 







# Challenges and Resources

#### **Patient and System Specific Challenges**

- Monitor cost, delivery and supply
- Patients' language preferences
- High disease burden
- Internet access, bandwidth and comfort
- EMR Patient portal access and utilization

#### **Covid-Specific Challenges**

- Social Distancing
- "Fear of Going Out"
- Essential workers

#### **System Resources**

- Integrated Care Team
- Low-cost monitors
- Low-cost medicines
- EMR

#### **Untapped Resources**

- Circular drive
- Options for free meters
- Administrative support







Goals of the SMBP Program Accessible

Educational

Affordable

Flexible

Modifiable

Scalable







# Program Redesign Components



#### Patient Assessment

- Review of Hypertension Registry
- CHW and MA calls to patients overdue for care
- MA face-to-face blood pressure checks

#### Access to Meters

 Obtain and distribute free or low-cost blood pressure monitors

- Pharmacy Tech or MA education on SMBP
- CHW education on use of digital platforms for care

#### Management

- Chronic medication management with Pharmacist
- Virtual Provider visits

#### **Evaluation**

- Chart review
- Team member input
- Rapid-cycle change model







### Meters Resources

- Unlimited \$10 Pharmacy Meters
- Free(donated) Meters



Community Pharmacy Program		American Heart Association
33 cuffs	20 cuffs	36 cuffs







# Demographics and outcomes

#### 1/3 of our patients preferred Spanish

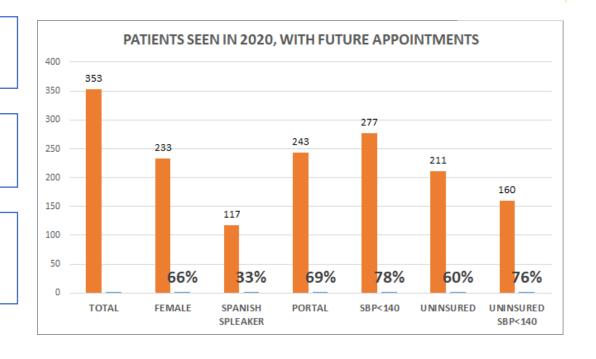
• All written and verbal materials were in English and Spanish

#### Patient portal use increased

- 40% in 2019
- Almost 70% in 2020

#### 78% blood pressure control

- This held true for our uninsured patients as well
- Surpassed 2019 Target: BP recognition- for achieving a 72% control









### Interventions

- ❖ 835 patients with hypertension since 3/2020
- 353 had a future appointment(ongoing care)
- Reviewed 190 Charts
- Evaluated novel Support Strategies (Interventions)

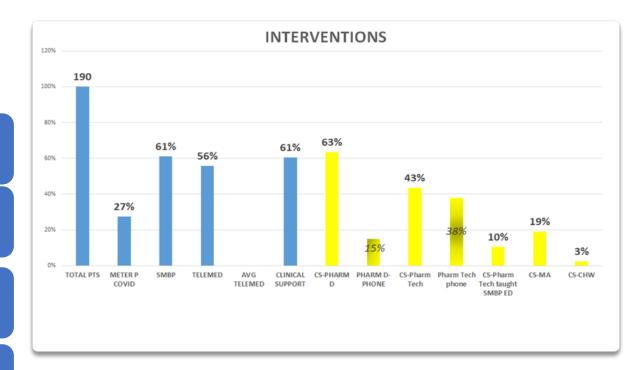
**27%** were given a free or low-cost meter AFTER the pandemic hit

56% had a virtual visit

**4.3** virtual visits/patient on average

Pharmacist managed **2/3**'s of our patients with hypertension

Pharmacy tech performed more than **1/3** of *her* support, via the phone









### Conclusions

### MAJORITY OF PATIENTS DEMONSTRATED BUY-IN FOR **SELF MONITORING**

- 61% of all patients with HTN self-monitored
- 68% of patients with uncontrolled HTN self-monitored

### PATIENTS WITH UNCONTROLLED HTN HAD ENHANCED **INTERVENTIONS**

- Our data showed a more aggressive response to care:
- 61% of the total had an intervention
- 74% of those uncontrolled had an intervention

### **USE OF PATIENT PORTAL INCREASED**

- Overall 31% in 2019 to 59% 2020-2021
- Access to portal impacted virtual visit utilization (65% v 41%)
- Access to portal did *not* impact outcomes









# **Future Strategy**

what we learned from the process

#### **INNOVATE**

#### Innovate training

- Recorded Video training on Portal login steps
- Release the Pressure videos

### **TRACK**

Track distribution and selfmonitoring in a retrievable way

### **CORRELATE**

Correlate self-monitoring and clinical support with outcomes (control of BP)









### Thank You















# IMPLEMENTING AN SMBP PROGRAM AT THE SKWC

Alexa Pany, RN

Nyasha George, MD





















# STEPHEN KLEIN WELLNESS CENTER

- -33% homelessness (transitional, street, shelter, doubling up, temporary)
  -shorter life expectancy (roughly 69 years vs. 75.5 for the city and 78.8 years for the nation)
  - In FY 2019: HTN (I10) was our top billing dx



% of patients 18–85 years of age w/ HTN and whose BP < 140/90

- 2018: 58.5% (488 of 834 patients)
- 2019: 53.1% (526 of 1009 patients)
- 2020: (3<sup>rd</sup> quarter) 53.9% (600 of 1114 patients)
- How we compare:
  - 2018 National Average: 63.3%
  - 2018 State Average: 63.1%











## SPECIAL MENTION: COLLABORATORS

#### SKWC Wellness Dept

- Work with other social service and health organizations to address SDoH
  - Patient incentives

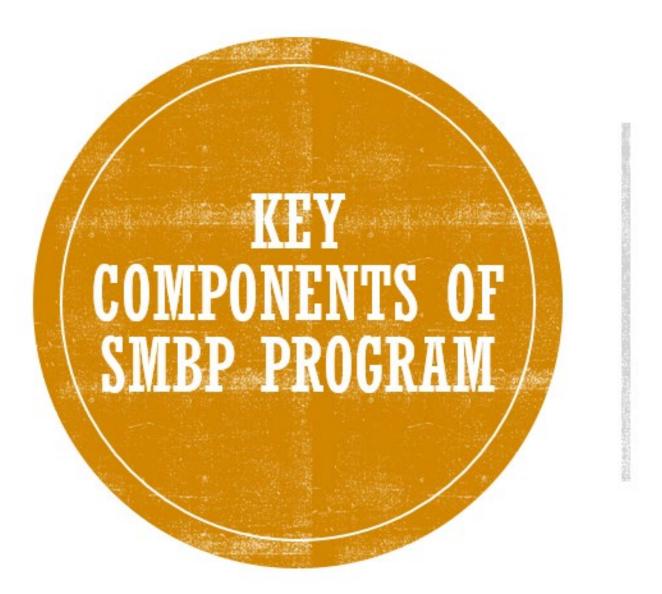
#### Health Federation of Philadelphia

- Membership organization of FQHCs, aims to improve the quality and accessibility of primary health care
  - Training
    - Development of training materials
  - Tech support
    - Facilitated BAA with Sphygmo
    - Advised on workflow changes, protocols
    - Provided 45 Welch Allyn BP cuffs to kick us off
    - Connected us to sales manager for A&D devices
    - RN -patient recruitment/outreach/onboarding

















#### Self-measured blood pressure

Pre-assessment

Instructions: Check all of boxes that apply to your practice.

What is included in your office workflow for self-measured blood pressure (SMBP)?

- ☐ Identify patients who would benefit from performing SMBP to:
  - ☐ Diagnose hypertension
- Rule out white coat or masked hypertension
- morove patient adherence to treatment
- Increase patient self-management
- Train staff on correct use of SMBP techniques (competency)
- Train patients how to correctly self-measure their blood pressure
  - Correct positioning
- Correct cuff size selection for arm size
- Use of clinically validated devices for upper arm
- ☐ How to record SMBP measurements
- Recommend automated upper-arm SMBP devices
- Recommended SMBP devices validated for clinical accuracy
- Meceive SMBP data from patients
- Average and interpret SMBP results
- Act upon SMBP results when indicated
- Coan clinically validated SMBP devices to patients who need them
- ☐ Test accuracy of (calibrate) patient's SMBP device
- Ensure patient's SMBP device fits properly

https://targetbp.org/tools downloads/smbp-preassessment/













# TRAIN STAFF ON CORRECT USE OF SMBP TECHNIQUES











## STAFT TRAINING

- Provider Training
  - Virtual training
  - Led by Health Federation
    - SMBP Evidence
    - Use of SMBP to guide HTN management
    - Act aggressively
      - Tx inertia
      - -> Combo pills for initial rx
  - May 11<sup>th</sup>



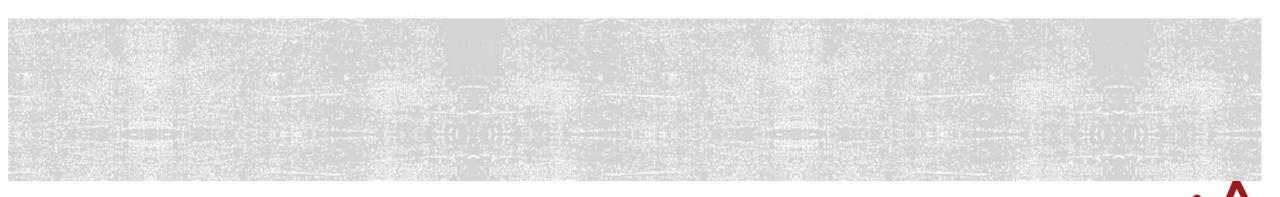








# TRAIN PATIENTS HOW TO CORRECTLY MEASURE SMBP











## SMBP ONBOARDING SESSIONS

- RN led
- Tu/Th PMs dedicated time for group onboarding and patient drop in
  - Download app
  - Distribute devices
  - Explain program and incentives













# USE DEVICES VALIDATED FOR CLINICAL ACCURACY











### VALIDATED SMBP DEVICES

- Welch Allyn 1700
  - App (now abandoned)
  - 45 devices donated from Health Fed
    - Both WR and XL cuff sizes
    - Price >\$90/device



- A&D 651-BLE
  - Plan to use in future
    - \$41.29/device-->grant purchased
    - Only WR cuffs



https://www.validatebp.org

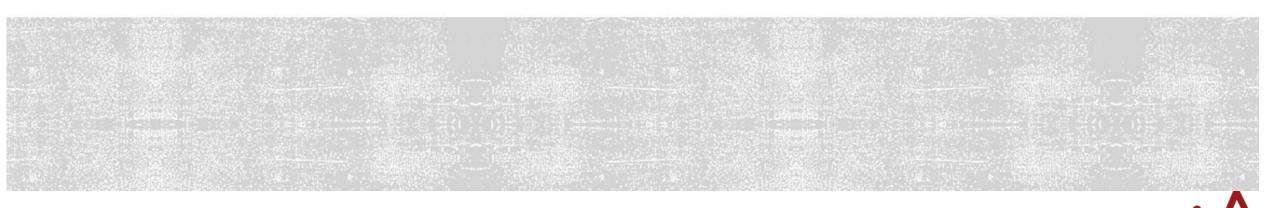
























BP Improvement Self-Measured BP

Best Practices

Events Tools & Downloads |

Recognition

Home / Patient-Measured BP / Implement SMBP / Loaning Out Devices

#### LOANING OUT DEVICES

Ensure every patient who needs a blood pressure device has access to one.

There will always be patients who meet the criteria for participating in an SMBP program but cannot afford to purchase a device. An SMBP device loaner program provides an option for these patients, as well as for those who prefer not to purchase a device because they have yet to receive a hypertension diagnosis. Patients with an existing diagnosis of hypertension should be encouraged to purchase their own SMBP

#### **Purchasing Devices**

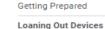
Purchase 2 to 3 devices for each physician who will be using SMBP. Because variable sized cuffs will fit the majority of patients with small-to-large arms, these types of devices will cover most of your needs. For the 8 to 10% of patients that require a larger size, XL cuffs made for your loaner devices should also be purchased. However, some XL cuffs require stronger motors, so you may need to purchase a separate device exclusively for use with this cuff size.

#### Recommended device features

Each device should have the following features:

- · Automatic inflation functionality.
- · Upper arm cuff (unless the patient's arm circumference is too large-in which case, use of a wrist device with proper technique is acceptable).
- Large screen for patients with poor eyesight.
- Optional Bluetooth connectivity to allow patients to synchronize with other devices.
- Date and time stamp for review of readings.
- Memory to store at least 30 BP readings.
- Ability to average 2 to 3 blood pressure readings taken over 10 minutes or less if possible.
- · Clinically validated device tested for accuracy

To get accurate readings, make sure to select the right cuff size



Selecting a Cuff Size

Training Patients

Collecting Data

Managing Your Devices

SMBP Loaner Device Agreement



SMBP Loaner Device Inventory Management

"The guideline recommends using an automatic, clinically validated monitor that stores readings."

- Patients sign contract at onboarding session
- Spreadsheet for tracking
- To date: have not received any return devices
  - May have to chalk this one up





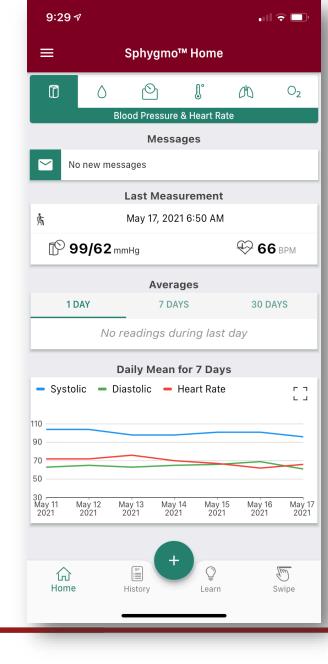




## SPHYGMO APP FOR PATIENTS



- Compatible with multiple validated SMBP devices
- Both WA and A&D devices













# RECEIVE SMBP DATA FROM PATTENTS





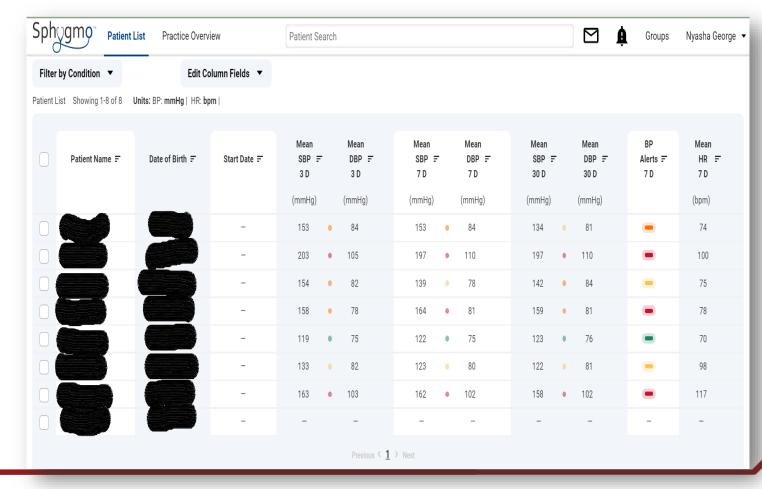






## SPHYGMO CLINICAL PORTAL FOR PROVIDERS

- Patient elect to share info w/ us
  - Either practice or patient can discontinue data sharing once patient completes program
- 3, 7, 30 day averaging
- Great support
  - responsive to feedback
- Future... will support E.H.R. integration w/ NextGen



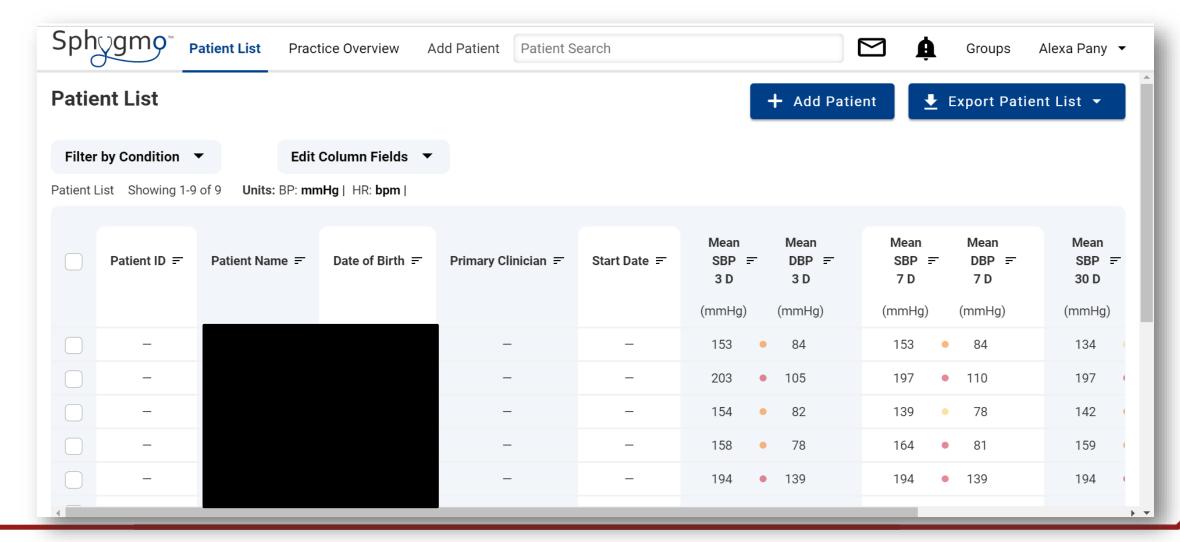






## SPHGYMO TRACKING: OVERVIEW





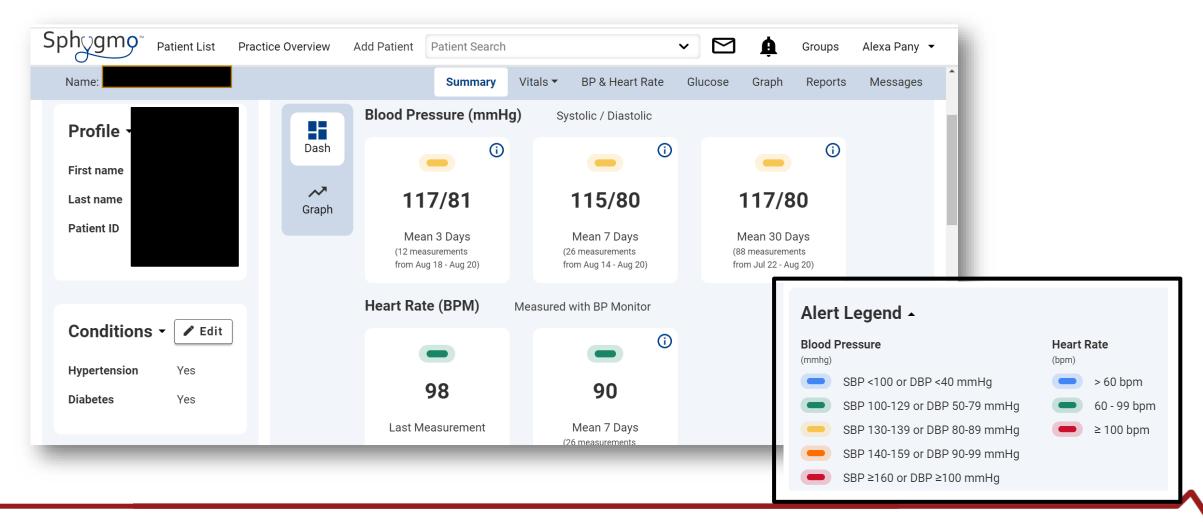








## SPYCHMO TRACKING: SELECTED PATIENT



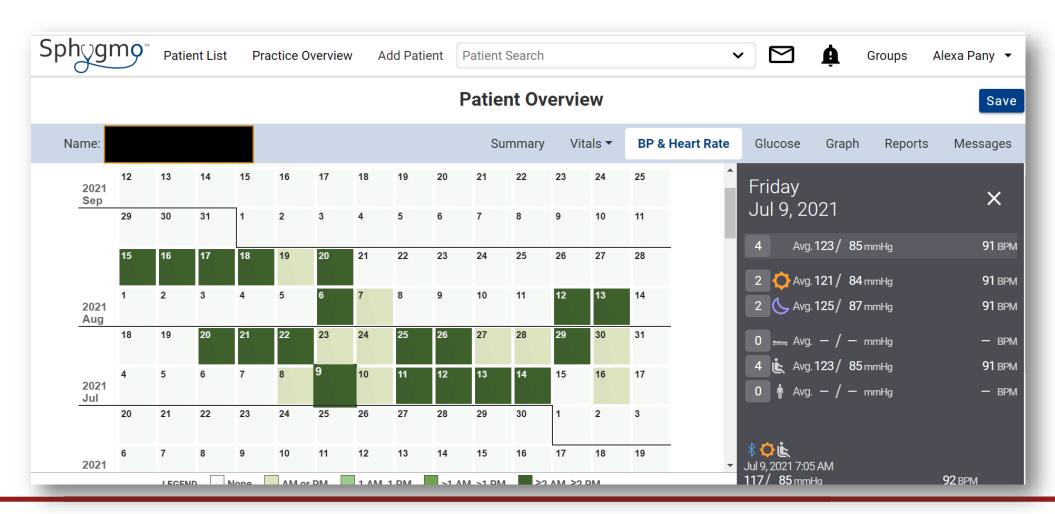








## SPHYCMO TRACKING: SELECTED PATIENT



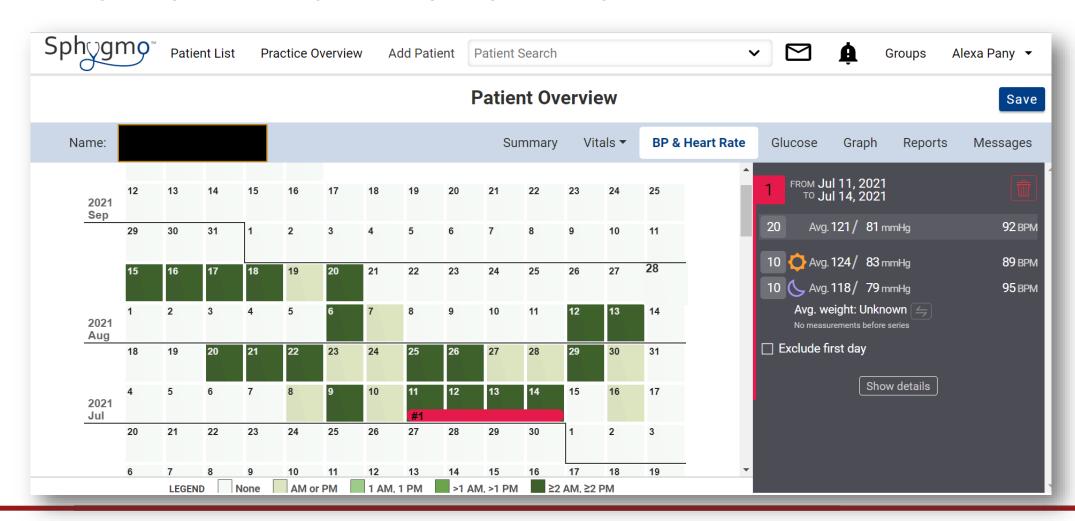








## SPHYCMO TRACKING: SELECTED PATIENT





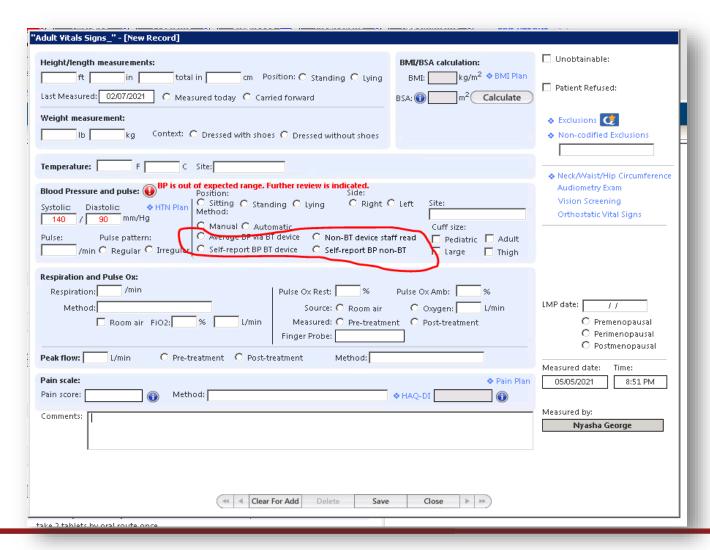




## SMBP DATA IN EHR



- Worked with SKWC
   Healthcare Business Analyst
   to modify vital signs template
   for manual entry of SMBP into
   E.H.R.
  - Rolled out in June 2021
  - Temporary until E.H.R. integration































#### CURRENTLY ENROLLED PATIENT TRACKING



Date Enrolled <mark>→</mark>	Date Graduatec 💌	Cuff_Type_Mode	Cuff_Size	Device ID	Loan Date	DO NOT USE	Due date	Return Date	Clean Date
7/26/2021		WA 1700	WR		7/26/2021	3	10/26/2021		
7/9/2021		WA 1700	WR	100SBP	7/9/2021	3	10/9/2021		
7/3/2021		WA 1700	VVIX	100301	7/3/2021	3	10/3/2021		
7/8/2021		WA 1700	XL		7/8/2021	3	10/8/2021		

Undeted Dless		Food Truxt Bucks	Food Trust Bucks	Eligible for 3 day incentive		
Updated Plan	Date of Updated Plan	Questionnaire 🔽	Received -	(6 readings in 3 days)	<ul> <li>Ordered 3 day incentive</li> </ul>	Item ordered
Letter sent in mail. New phone.	8/16/2021					
iMBPs not at goal; will not adjust meds at this time given patient with symptomatic orthostatic hypotension needs telehealth w/ Nyasha> lexi to pre-schedule for Wednesday. needs cards and colonoscopy. consider nonpharm management for orthostatic						
hypotension	8/16/2021	Completed	Yes	Υ	received	frying pan
Able to graduate. Nyasha to connect w/ HEZ re: purchase of graduation prize	8/16/2021	Completed	Yes	Y	received	yoga mat
SMBPs at goal <135/85 in last week Ordered for blood work week of 8/23 Ordered 3 day,7 day incentives, and						











- Digital divide?
- Tech?
- Patient engagement?
- Staff bandwidth?



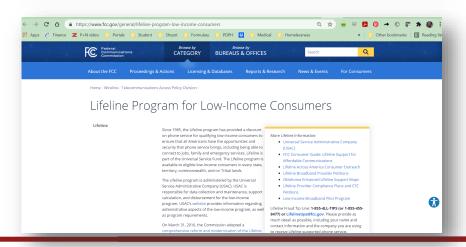




# PARTNERSHIP WITH SANO HEALTH







- Free smart phones for patients
  - Eligibility in short, anyone eligible for Federal or State assistance: SNAP, Medicaid, Supplemental Security Income, Federal Public Housing Assistance, or Veterans and Survivors Pension Benefit
- Funding through Emergency Broadband Benefit (EBB)
  - Has \$3.2 billion in funding, largely unspent
  - Will provide over 1 year of service for patients enrolled in program
  - New infrastructure bill, \$65 billion most likely will be available and will continue to fund EBB
  - May replace Lifeline program (aka Obama phones)
- Sphygmo application can be pre downloaded on phone!!
- Currently uses Motorola devices
  - Brand of devices are decided based on quality and size of screen
- Services provided
  - Covers minutes and data usage
  - Normal texting and calling features
  - l device per household







## CHALLENGES & LEARNINGS



- Tech tech tech
  - Wi-Fi connectivity (in clinic, at home)
    - Slow App downloads
    - Communication with Clinical portal
  - Patient tech savviness
    - Bluetooth
    - Non smart phone → Obamaphone appl'n for 1 client, Sano Health phones
  - App issues
    - Welch Allyn app→ abandoned
    - Sphygmo app→troubleshooting w/ Chief Operating Officer of App

- Patient engagement & attrition
  - Incentives
    - Enrollment Incentives
      - Tote bag w/ goodies at enrollment
      - Food Trust Bucks → voucher for groceries in collaboration with a Philly/S Jersey based nonprofit to improve healthy food access
    - Earned incentives → developing w/ patient input
      - Goodies based on participation (eg, frying pan, yoga mat, pedometer, H2O bottle)
- Staff bandwidth & Burnout prevention
  - Advocacy for dedicated RN role and CHW role before expansion of program
    - Approved in budget









### NEXT STEPS

- Build out of a self management department across clinic
  - Post and hire dedicated CHWs for SMBP
  - Expand program to offer all patients with HTN a referral to the SMBP program
  - Overlap with our grant supported DM self management program
- Explore E.H.R. integration of portal data







#### SMBP Panel Discussion – All







#### Clinical resources



https://targetbp.org/tools\_downloads/smbp-quick-start-guide/



https://www.ama-assn.org/delivering-care/hypertension/7-step-self-measured-blood-pressure-smbp-quick-guide?gclid=CjwKCAjwhaaKBhBcEiwA8acsHAlRKF6bo46XSAS0J7-0DMrpnDg9TqWVdHFmw9uULLkN0VEUZbFBoBoCsLIQAvD\_BwE







#### Supplemental resources: SMBP

#### **Guidelines & Statements**

- 2017 AHA/ACC Guideline For The Prevention, Detection, Evaluation, And Management Of High Blood Pressure In Adults
- 2019 Measurement Of Blood Pressure In Humans: A Scientific Statement From The American Heart Association
- 2020 Self-measured Blood Pressure Monitoring At Home: A Joint Policy Statement From The AHA And AMA
- 2021 The Surgeon General's Call to Action to Control Hypertension

#### **On-demand Training Resources**

- SMBP pod cast
- SMBP website pages

#### **Practice Assets**

SMBP Quick Start Guide

#### **Other Implementation Guides**

- AMA: 7-Step SMBP Quick Guide
- CDC & NACHC: Self-Measured Blood Pressure Monitoring (SMBP) Implementation Toolkit
- Million Hearts® Hypertension Control Change Package (Second Edition)
- Million Hearts® Self-Measured Blood Pressure Monitoring: Action Steps for Clinicians
- Million Hearts® Self-Measured Blood Pressure Monitoring: Action Steps for Public Health Practitioners
- AMA's Privacy Principles
- AHA's Using Remote Patient Monitoring Technologies for Better Cardiovascular Disease Outcomes Guidance
- Public Health Informatics Institute's SMBP Report







#### Take-home messages

- It's complicated program design is a serious endeavor
  - New system of care with science, tech, info
  - Preparing patients for success
- It's dynamic tech, policy, VDL™
  - What isn't possible today might be tomorrow
  - What isn't covered or validated today might be tomorrow
- > It's an opportunity to advance science, practice, and policy
  - Unique moment to address health equity
  - Pivotal opportunity to improve control rates







#### Thank you & evaluation

- Thank you for your participation
- Thank you to the speakers and event team
- Please provide your feedback through our evaluation

Please see the link in the chat

https://forms.office.com/r/6LXv09hYdg

Survey will remain open until October 6







# Together, we can reduce the number of Americans who have heart attacks and strokes





