# Community Healthcare Network

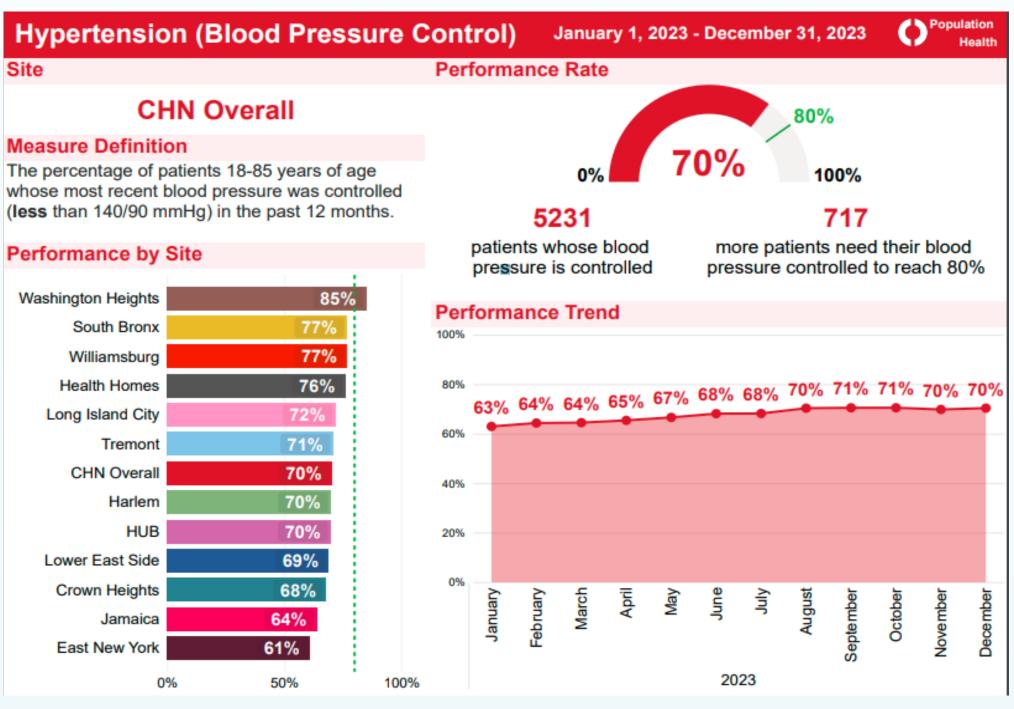
## Introduction

At Community Healthcare Network (CHN) in 2021, over 7,200 unique patients ages 18-85 years old were seen and had a diagnosis of hypertension. At that time, only 53% of those patients had blood pressure (BP) that is considered adequately controlled (<140/90mmHg).

With competing priorities, coming off the height of the pandemic, we realized that making BP control a focus of our quality work needed to became a new priority.

A Clinical Quality Improvement (CQI) committee was formed that includes members from medical affairs, nursing, nutrition and population health. An initial step was to raise awareness. We developed a score card for centers and presented them with monthly data on their performance.

## Score Card Example



After raising awareness, the CQI group moved forward with three key Quality Improvement initiatives. These include:

- ✓ Improving Accuracy
- Ensuring Timely Follow-Up
- ✓ Staff Education

## Methodology

## **Step One: Improving Accuracy**

- ✓ Taught staff about the key elements of properly taking BP readings.
- Ensured that second BP Readings are taken for all patients after an initial abnormal reading.
- $\checkmark$  Changed vital sign to red when BP greater than 140/90.

# Improving Blood Pressure Control Through Simple, Operational Interventions

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## Methodology, Con't

## **Step Two: Ensuring Timely Follow-Up**

The American Heart Association guidelines recommend follow-up for patients with uncontrolled BP every 2-4 weeks. As such, our ongoing process goal is for 80% of our patients with an uncontrolled BP reading to be scheduled for a follow-up visit within 28 days.

The visits are scheduled at point of care or by direct telephonic outreach. We expanded access to ensure availability:

**RN Hypertension Visits** Developed protocolized RN hypertension visit.

- ✓ Visits are scheduled on nursing panel
- ✓ Template developed to standardize best practice for nursing. It includes drop downs to help guide the visit. ✓ Enables our RNs practice to the top of their license

HPI:	
Blood Pressure	/0
Nursing Hypertension Screening 18-75 yrs	
Do you know what hypertension is? No (Review patient education PDF "What Is Hypertension" from order set What are your blood pressure goal numbers in office? Less than 140 systolic and less than 90 diastolic	AI
Is your blood pressure at goal today for the office? No	E
Is your BP greater than 180/120? Yes (Follow nursing algorithm for hypertensive urgency Are you taking your medications? No	нс
Why? Patient does not understand the need for medications (Educate patient)	1
Are you enrolled in the remote patient monitoring (RPM) hypertension program? No	PC
Would you like to enroll? Yes (Send TE to provider to refer patient to RPM program and print "Digital Hypertens	
rogram Overview"	i di
Would you like a nutrition consult to help with BP management? Yes	Ga
Do you own a home blood pressure cuff? No (Send TE to social worker to order BP cuff)	
Do you know how to use a home blood pressure cuff correctly? No (Review patient education PDF "Accurate Blo	ood
ressure Reading" from order set)	
Do you log your blood pressure readings? No (Give BP log booklet)	
Do you know your goal blood pressure for home? No (Review goal BP is less than 135/85 until advised by PCP)	l
Do you have a follow-up appointment with a provider in 3 weeks? No (Make a follow-up appointment with a pro	
n 3 weeks)	

**Remote Population Health FNP (Fast Track)** Developed a fast-track protocol utilizing a remote population health FNP to see patients for telehealth visits between in-person visits with their primary care provider (PCP).

## **Step Three: Staff Education**

Created awareness campaign around best practice for improving accuracy and timely follow-up for providers and nursing.

- Developed an informational hypertension training online for all staff.
- Emphasized the value of home BP monitoring and created access to BP cuffs for patients to enable successful telehealth visits
- ✓ Nurse educator educated nursing department on ensuring accurate BP reading.
- ✓ Led individual meetings with each center leadership team to discuss ways to implement the 2-4 week follow up
- Engaged care management departments (Health) Homes, HIV, Nutrition) in using their patient relationship to ensure timely follow-up.

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70%	
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20%	
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The frequency of second BP rates increased from an average of 24% in 2021 to 89% in 2023. We noticed that **32%** of the initially uncontrolled readings from 2023 were actually controlled when repeated.

## **Step Two: Ensuring Timely Follow-Up**

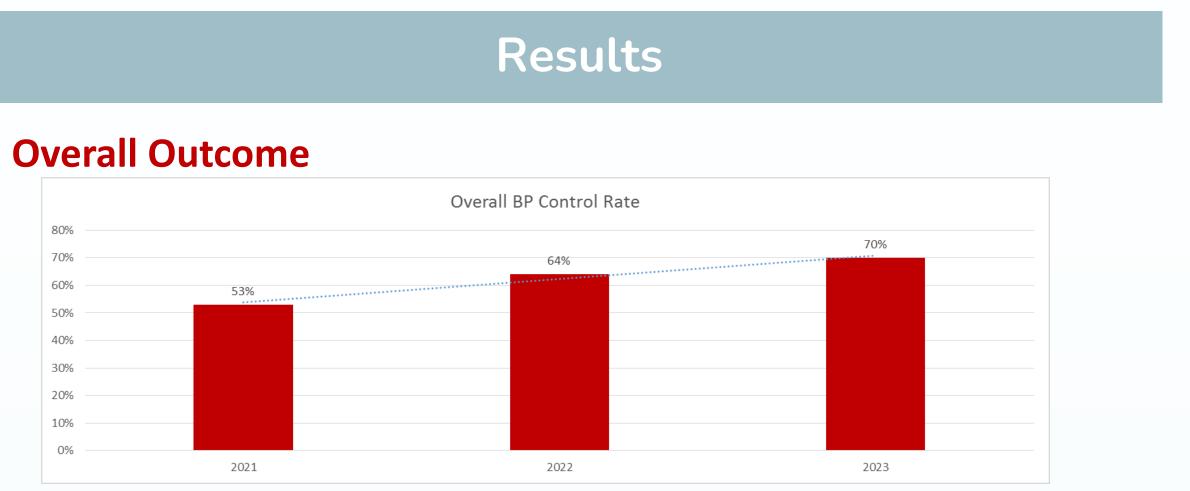
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The two lines show the difference between patients scheduled and those who were actually seen. From June of 2022-December 2022, 44% of our patients were scheduled for a timely visit vs. an average of 52% scheduled in 2023.

## **RN Hypertension Visits**

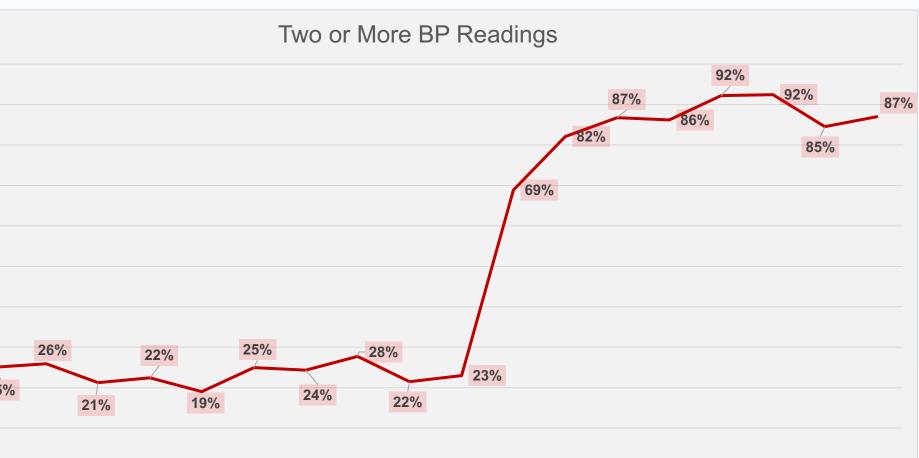
In 2023, we had 273 completed RN hypertension visits across the network.

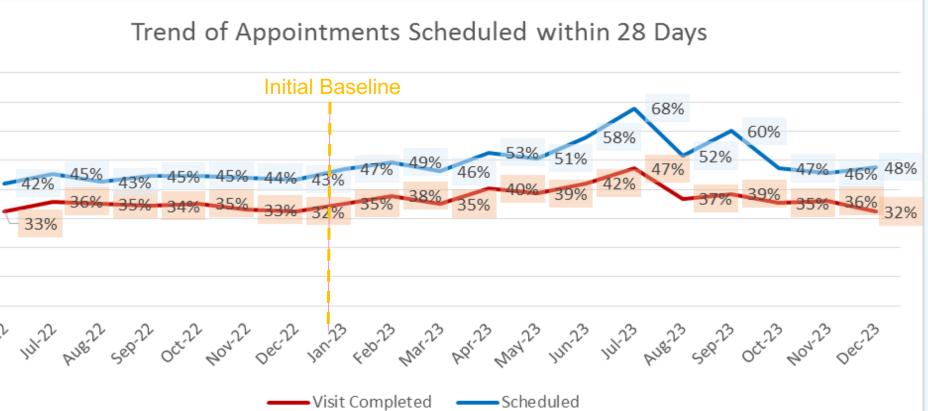
## **Population Health Remote FNP**



Our overall BP control rate went from 53% in 2021 to 70% in 2023- a 17% increase in control. By the end of 2023, the denominator was 7,443 patients, up slightly from 2021, when we had 7,289 patients.

## **Step One: Improving Accuracy**





The population health FNP conducted **148** telehealth hypertension visits in 2023.

## **Step Three: Staff Education**

In 2022 and 2023, 422 staff completed the informational hypertension training, including 87 nursing staff and 99 providers.

- Education around proper technique, including second BP, improves BP accuracy.
- ✓ Developing infrastructure for timely follow-up for uncontrolled BP is an important intervention, especially with provider buy-in and recommendation.
- Point of care scheduling ensures the patient understands the importance and that it actually gets scheduled.
- $\checkmark$  Team based approach to BP control-involving nursing, care management, outreach and operations- dramatically
- improves outcomes.

## Key Lessons Learned

## Implement the Best Practices of Hypertension

Each unique category of intervention has a powerful impact on BP control at a population level

Ensuring patients have access to a home BP cuff enables telehealth visits for hypertension management.

## Conclusion

- Our continued goal is to improve our patient's hypertension control rate to greater than 80%, regardless of race, ethnicity or insurance status. An organized approach to addressing the key process metrics associated with hypertension control has already yielded significant improvement. We will continue to maintain attention to BP accuracy and are striving to improve timely follow-up while also increasing access to home blood pressure monitoring.
- In 2024, we continue to expand access by now offering telehealth appointments from additional Fast-Track providers. We are also developing an improved Remote Blood Pressure Monitoring program to support the patients who need this extra intervention.

## Acknowledgements

The CQI team focusing on hypertension control would like to give a special acknowledgement to CHN's nursing team, overseen by our Chief Medical Officer, Dr. Taisha Benjamin. Some of the main interventions- such as ensuring accuracy and conducting special RN hypertension visits- have been championed by our nursing team!