Hypertension Guideline Adherence Within The Retail Health Setting

Introduction & Background

- exacerbated barriers hindering hypertension patient management
- **American Heart** Association (AHA) American College

Undiagnosed Hypertension Patient

Retail Health)

Up

Treatment

Diagnosis and Follow

• Follow Up Adherence

Primary Care

- Diagnosis and Follow
- Treatment
- Medication
- Adherence

of Cardiology (ACC) guidelines demonstrate higher prevalence (45%) of identifying individuals at risk of hypertension

□ 40% of providers adhere to current hypertension guidelines > Mostly occurred in providers outside of primary care

Purpose Statement & **Project Aims**

D Purpose Statement

Enhance the identification of patients with undiagnosed or undertreated hypertension in regional retail clinics by increasing the provider's knowledge, chart documentation and follow-up according to current 2017 ACC/AHA hypertension guidelines.

Aim 1:

Determine the effect of the virtual hypertension education program on provider knowledge through a 5-item survey.

Aim 2:

Determine the effects of the hypertension education program on provider orders among patients in hypertension stage 1 or higher in accordance with current **2017** AHA/ACC hypertension guidelines.

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Ambulatory Care Emergency (Urgent Care or Department

> Diagnosis and Treatment • Follow Up Adherence



Methods

- Design: Pre and Post Test Design (5-Item Survey) **Setting:** A retail health region in the Northeast **Sample:** 10 Family Nurse Practitioners
- **Timeframe:** 12-week period
- Retrospective data
- > All 60 regional providers documented hypertension diagnosis within the EMR system
- > One-month pre/post educational intervention

Intervention

Duration: 5 weeks, Biweekly virtual sessions



AHA/ACC Hypertension Guideline Criteria

- **O** Hypertension
- Medication Initiation & S Treatment
- ASCVD Usage

Masked/White Coat Hypertension



Results: Provider Knowledge

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	Mean (Difference of Pre/Post Test)	Standard Deviation (SD)	Medium	IQR	p-value
Aim 1:Provider's Knowledge	0.75	1.8	1	2.5	0.301
Statistical significance not met			Educational Intervention Mean		
Clinical Findings.			1	Results	
Notable improvement from pre-post			8 0.9 (0.88	
test			0.63 4	0.6	0.5
No change within white coat and			2	0	0 0.2
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► Patient Case

• EMR Hypertension Documentation

Results: Provider Documentation

Hypertension Documentation Within EMR	Mean	Standard Deviation (SD)	Mediar
Providers Who Participated in Eduational Intervention	19.83	23.9	9
Providers Who Did Not Participate in Eduational Intervention	12.8	21.82	2.5

p-value > 0.05 statstical significance not met

- > The need for provider hypertension guideline adherence within retail hea setting can help identify th risk of hypertension and manage those unable to ac primary care.
- > Findings within this quality improvement project noted educational intervention b to providers' knowledge in hypertension guideline adherence and implore the for future studies within th healthcare setting.

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Conclusion

alth	Limitations	Sustainability
ty d the benefit	 Future projects should encompass a larger, diverse sample size and have a longer implementation period Providers with administrative roles should not be included within the eligibility criteria for future studies Providers and staff should be included in future educational efforts to enhance interprofessional collaboration, hypertension guideline adherence and implementation 	 Will be maintained by the regional leadership and quarterly virtual education sessions will be available to regional providers. Regional providers will receive quarterly percentages of their hypertension documentation through the audit and feedback method, and chart reviews.
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