

Gabriella Pandolfelli, MPH,¹ Leah Topek-Walker, LCSW-R,² Amy Hammock, PhD,^{1,2} Denise Snow, JD, RN,³ Lynn Timko-Swaim, MS, PAC,⁴ Carol Della Ratta, PhD, RN, CNE³ and Lisa Benz Scott, PhD¹ ¹Stony Brook University, Program in Public Health, ²Stony Brook University, School of Social Welfare, ³Stony Brook University, School of Nursing, ⁴Stony Brook University, School of Health Professions

Background

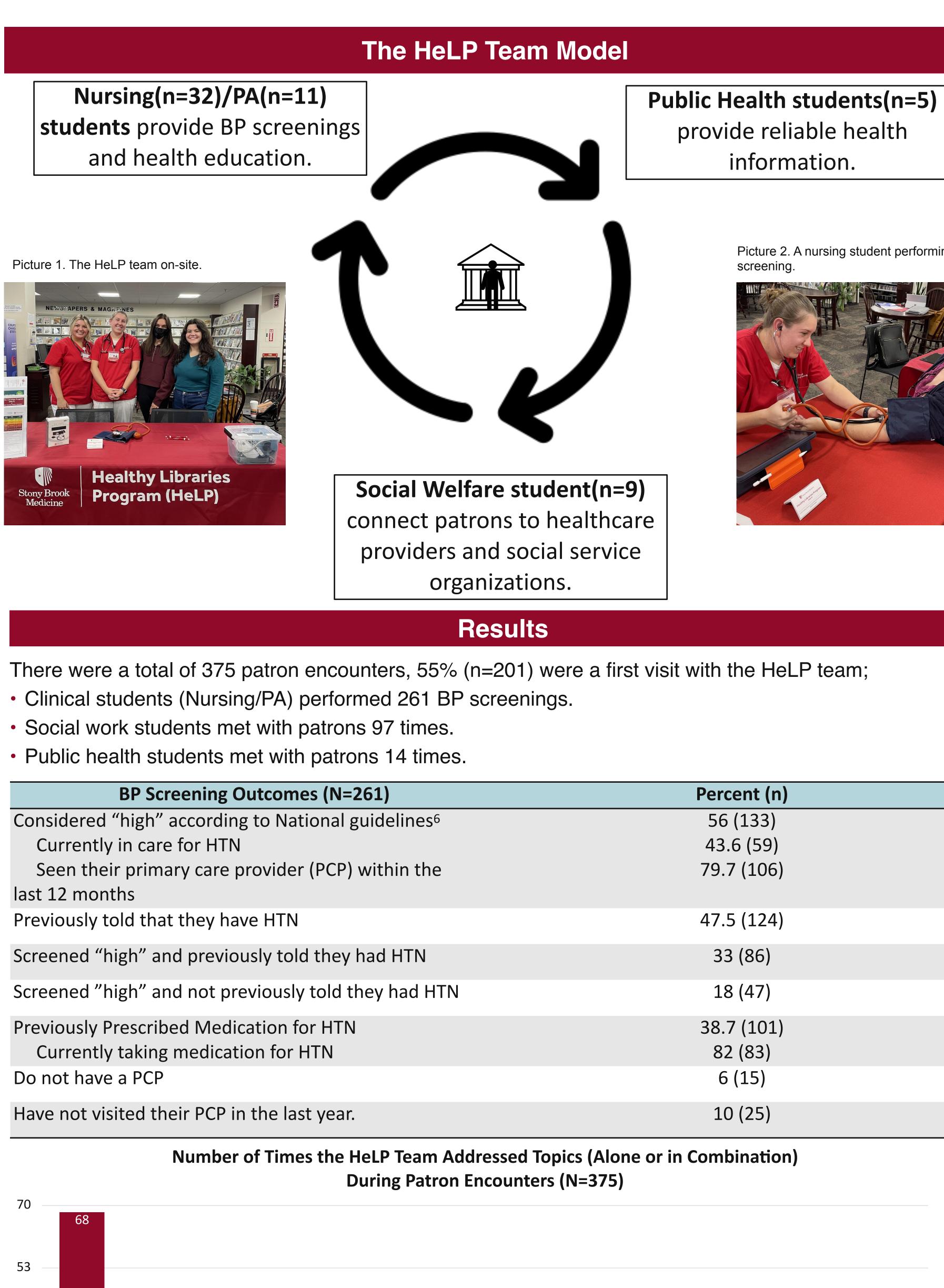
- Almost half of adults in the U.S. have hypertension (HTN).1
- HTN is a risk factor for Cardiovascular disease (CVD) which is the leading cause of death in the U.S.²
- HTN is most commonly screened for in the clinical setting which excludes those who do not visit a provider.
- Therefore, It is essential to assess strategies that may improve access to HTN screening, care and control in non-clinical settings where communities are at elevated risk of HTN frequen
- Public libraries are a trusted place among vulnerable populations for accessing health information and resources³ yet are an underutilized setting for health interventions.
- The Stony Brook Medicine Healthy Libraries Program (HeLP) is an innovative intervention⁴ in suburban public libraries which aims to:

collaborative practice

libraries:

- improve interprofessional education (IPE) and competencies for students.⁵
- provide the follow services at no cost to patrons or - BP screenings,
- culturally appropriate health education. - assistance with accessing care and social services, and case management.
- The purpose of this study is to evaluate the BP screening-related interactions between HeLP team members and library patrons.



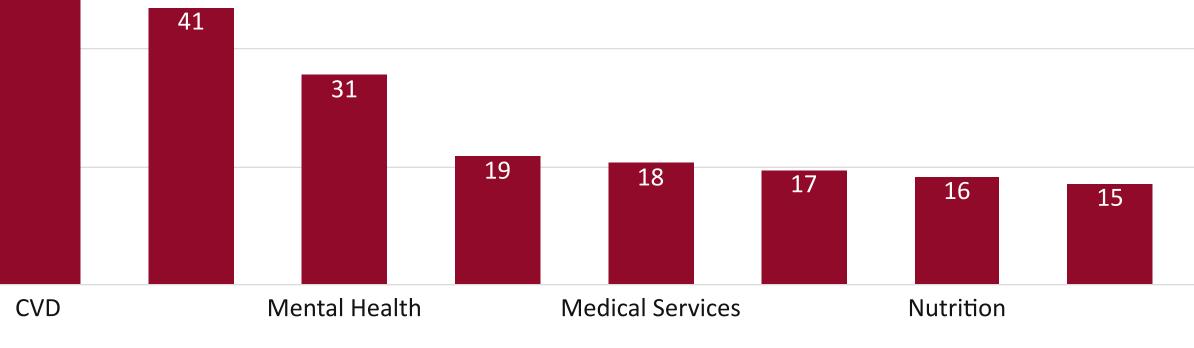


- 35 18

Methods/Measures

- Fifty-seven students were placed on interprofessional teams in 10 public libraries in Suffolk County, NY during the 2022 Fall semester.
- Students participate to fill course requirements:
- Clinical rotations for Nursing
- Community health service-learning course for PA
- Practicum/internship for Public Health
- Field education for Social Welfare
- BP was measured using a manual BP cuff, sphygmomanometer.
- High BP defined as \geq 130mmHg systolic or 80 mmHg diastolic.⁶
- Patrons self-reported prior BP history.
- HeLP students documented patron encounters in Qualtrics.
- Descriptive statistics were used to summarize screening outcomes (Qualtrics).

An Interprofessional Team-based Service-learning Program to Promote Hypertension(HTN) Screening and Access to Care in a Non-Clinical Setting





IPE Model Implementation

Model 1: Teams of Nursing, Public Health, and/or Social Welfare students rotated between 8 HeLP partner libraries over 8 weeks per semester. • Each library was visited four times per semester for 2 ¹/₂

hours for each visit (~ 80 hours).

Model 2: Teams of PA students, Public Health and/or Social Welfare students visited 2 public libraries for onetime visits (~10 hours).

Model 3: Social Welfare students offered additional hours outside of the HeLP team at the 8 HeLP partner libraries. • Faculty supervisors on site with clinical students.

Discussion

- This study demonstrates that public libraries are a viable setting for BP screenings, education and assistance to access care.
- The percent of patrons with a HBP reading (%) was higher than the local percentage of adults with diagnosed HTN (31.8%)⁷ and national (45.4%). prevalence of HTN in adults.⁸
- BP screenings in public libraries may identify those who have undiagnosed or uncontrolled HTN, or who may be out of care.
- Limitations:

- Documentation is not patron specific. - Student documentation may not be complete. - Although patrons are encouraged to meet with a

Some patron interactions may be missing. provider, we do not have follow up data to confirm healthcare access/utilization.

 Further research is needed to understand how the HeLP team impacts the community through the library staff and patron perspectives.

Acknowledgements

We would like to thank:

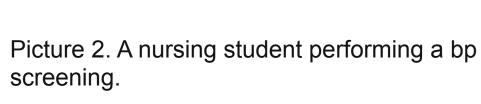
statistics/prevention/injury_prevention/information_for_action/

- the Public Library Directors for hosting the HeLP team, • the Suffolk Cooperative Library System for supporting and promoting
- HeLP,
- the public library patrons for utilizing the HeLP team,
- the faculty from Stony Brook University, and the HeLP student team members.

References

1. Ritchey, M. D., Gillespie, C., Wozniak, G., et al. (2018). Potential need for expanded pharmacologic treatment and lifestyle modification services under the 2017 ACC/AHA Hypertension Guideline. Journal of clinical hypertension (Greenwich, Conn.), 20(10), 1377–1391. https://doi.org/10.1111/jch.13364 2. Kochanek K.D., Murphy S.L., Xu J., Arias E. (2019). Deaths: Final Data for 2017. National Vital Statistics Reports. 68(9). National Center for Health Statistics 3. Horrigan, J. B., (2015, Sept 15). Libraries at the Crossroads. Pew Research Center._https://www.pewresearch.org/internet/2015/09/15/libraries-at-the-crossroads/ 4. Pandolfelli G, Hammock A, Topek-Walker L, et al. An Interprofessional Team-Based Experiential Learning Experience in Public Libraries. Pedagogy in Health Promotion. 2021:0(0). doi:10.1177/2373379921104851 5. Interprofessional Education Collaborative. (2016). Core competencies for interprofessional collaborative practice: 2016 update. Interprofessional Education

Collaborative._https://ipec.memberclicks.net/assets/2016-Update.pdf 6. Whelton, P. K., Carey, R. M., Aronow, W. S., et al. (2018). 2017 ACC/AHA/AAPA/ABC/ACPM/AGS/APhA/ASH/ASPC/NMA/PCNA Guideline for the Prevention Detection, Evaluation, and Management of High Blood Pressure in Adults: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines. Hypertension, 71(6). https://doi.org/10.1161/hyp.0000000000000065 7. New York State Department of Health . (n.d.). INFORMATION FOR ACTION REPORT 2018 - 08 Percentage of adults with diagnosed hypertension, by county, New York State, BRFSS 2016. Division of Chronic Disease Prevention: Information for Action Reports. Retrieved February 27, 2023, from https://www.health.ny.gov/



information.



Percent (n)	
56 (133)	
43.6 (59)	
79.7 (106)	
47.5 (124)	
33 (86)	
18 (47)	
38.7 (101)	
82 (83)	
6 (15)	
10 (25)	
Combination)	

