



It Takes a Village: Addressing health Inequities via nurse practitioner education



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Purpose

- Demonstrate how the principles of community based participatory research (CBPR) can be used by Nurse Practitioner (NP) programs with the local community to ameliorate the effects of health inequities



Objectives

- Verbalize how to use the principles of CBPR to partner with preceptors and agencies for NP student education.
- Identify community level health inequity issues that can serve as targeted service learning opportunities for NP students



Health Inequities





CBPR

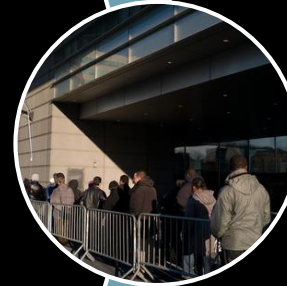
"Collaborative approach to research that equitably involves all partners in the research process and recognizes the unique strengths that each brings. CBPR begins with a research topic of importance to the community, has the aim of combining knowledge with action and achieving social change to improve health outcomes and eliminate health disparities."



Key Issues



Affordable
Care Act



Primary care
Provider
Shortage



Limited
Training
Sites



Affordable Care Act

- “Obama Care”
- 8 million newly insured
- Ends pre-existing condition exclusion
- Coverage thru 26 years old
- Focus on preventive care





Provider Shortage

- Approximately 210,000 primary care physicians in practice¹
- 106,000 practicing nurse practitioners²
- 55,625 primary care nurse practitioners²
- 52,000 more primary care providers needed by 2025¹

1. Schimpff, Stephen C. (2014). Why is there a shortage of primary care physicians? <http://www.kevinmd.com/blog/2014/02/shortage-primary-care-physicians.html>

2. The Number of Nurse Practitioners and Physician Assistants Practicing Primary Care in the United States: Primary Care Workforce Facts and Stats No. 2. October 2011. Agency for Healthcare Research and Quality, Rockville, MD. <http://www.ahrq.gov/research/findings/factsheets/primary/pcwork2/index.html>



Limited Training Sites

- Agency/practice resistance
- Decreased provider productivity.
- Competition for limited clinical practicum sites and preceptors.





Service Learning



Community
Need



Training
Opportunities



Decreased
Disparity



The Project

○ Pediatric Community Care

- Developmental screening
- Growth/BMI
- Vision/hearing
- Appropriate referral

○ Setting

- Newark, NJ
- Preschools & elementary schools

○ Subjects

- Family and Pediatric NP students $n=12$

○ Method

- Random assignment
- Pre-post test

○ Protocol

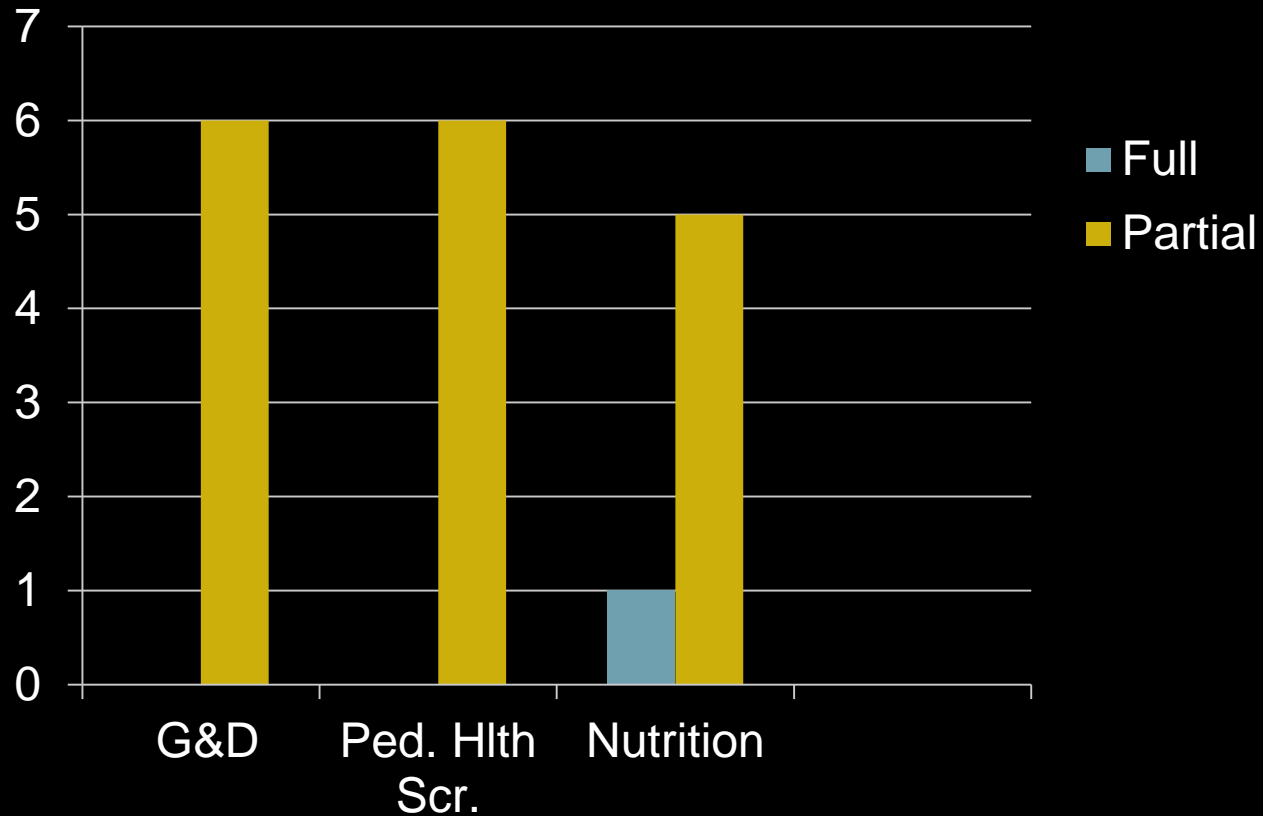
- Training /pre test
- Small teams
- Data charts
- Referrals
- F/U
- Post test



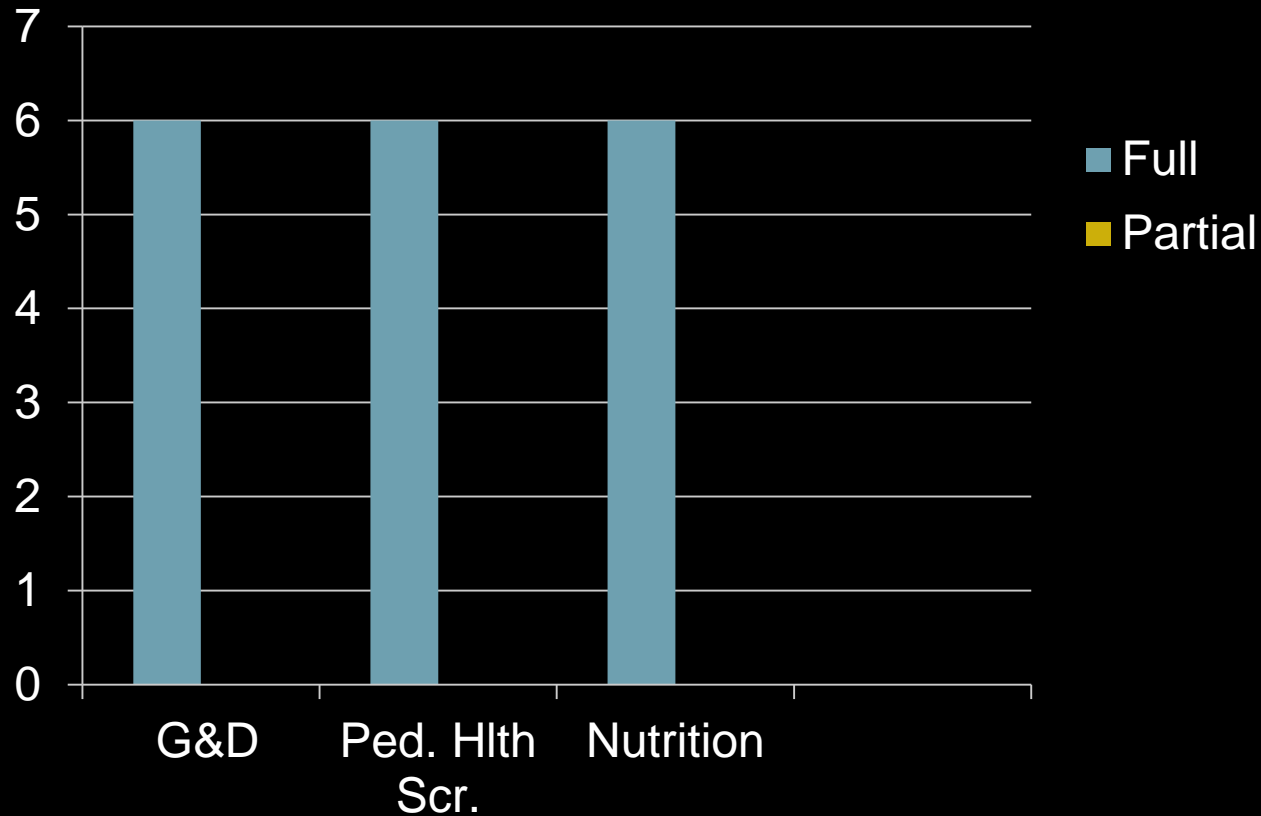
Outcomes

- 368 children between 6 mo 10 yrs
- 59 referrals for obesity
- 6 referrals for underweight
- 6 six referrals for vision deficits
- 12 referrals for speech delays
- 3 referrals for gross motor deficits
- 2 referrals for detailed autism

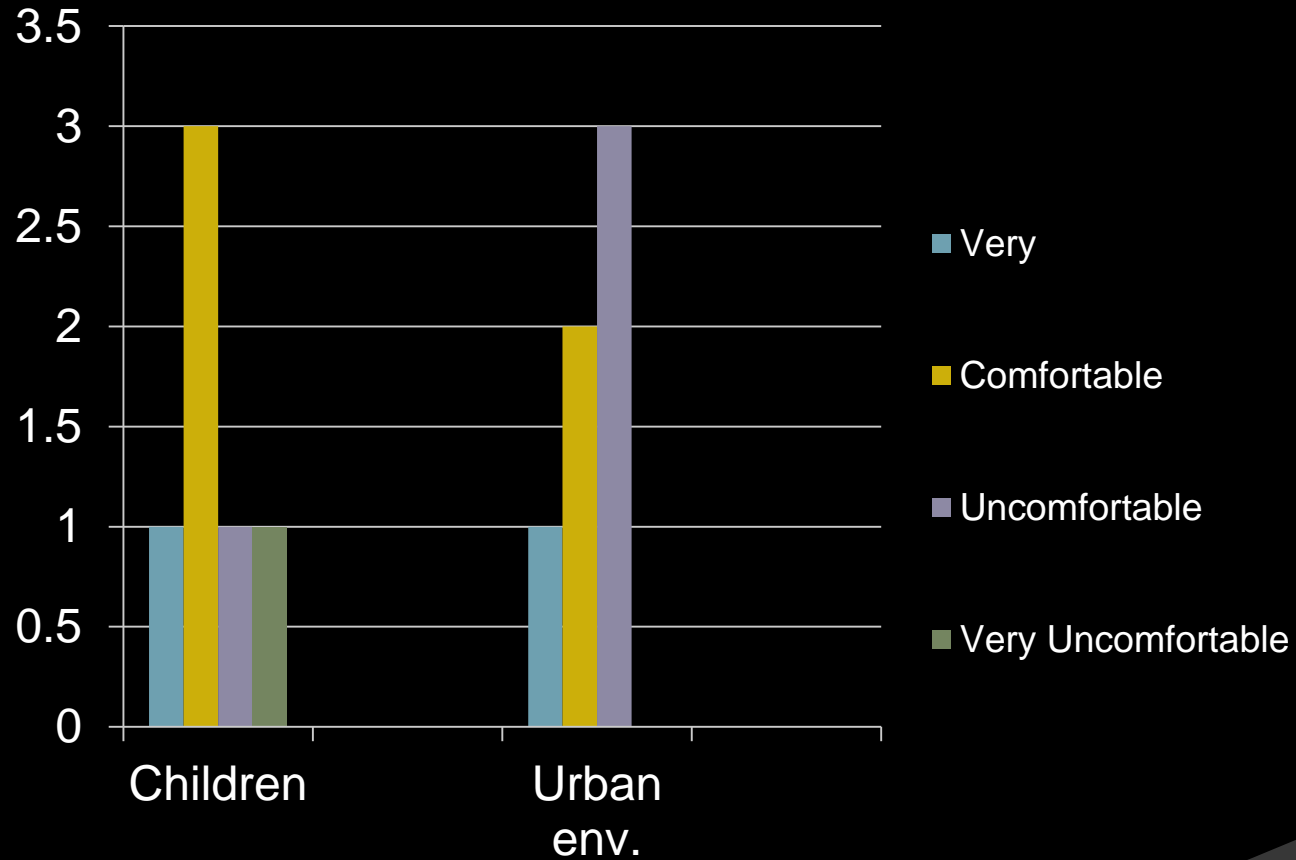
Level of Understanding Prior



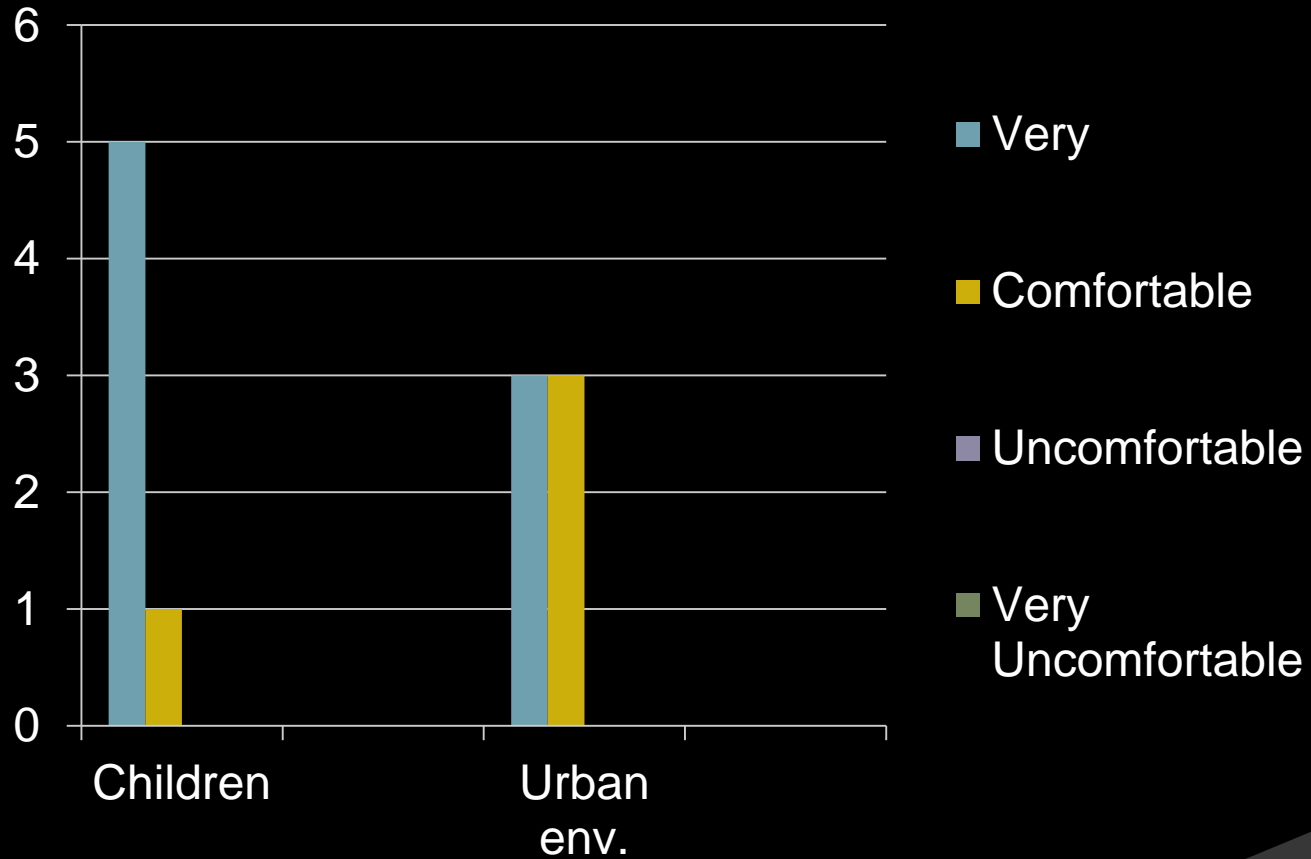
Level of Understanding Post



Level of Comfort Prior



Level of Comfort Post





Next Steps

- Permanent part of the pediatric practicum course.
- Agencies reaching out to the College of Nursing
- Interprofessional education
- Research funding
- Training and screening expanded
 - Oral health assessment
 - Fluoride varnish application
 - Lead and hemoglobin testing and referral.



References

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Questions?

