Commencement of Global Dissemination & Implementation of a School-based Academic Asthma Education & Counseling Self-Management Program

Eileen K. Kintner, PhD, RN, FAAN
STTI Nursing Research Congress
Dublin, Ireland
July 30, 2017
Disclosure & Interdisciplinary Collaborations

The author declares no conflict of interest.

E. Kintner  
G. Cook  
L. Gibson-Young
Acknowledgments

• University of Wisconsin-Madison
  • Mary and Carl Gulbrandsen Chair in Pediatric Nursing
  • School of Nursing
  • Vice Chancellor for Research & Graduate School
  • Institute for Clinical and Translational Research

• NIH-sponsored Training Institute for Dissemination and Implementation Research in Health
Objectives

• Describe the commencement process
• Discuss theory- and evidence-based methods and measures selected for monitoring and evaluating dissemination and implementation processes and outcomes
Clinical Issue

• Gap between what we know can optimize health and what gets implemented

• Understand best methods for transferring efficacious and effective programs into real world settings
Specific Aims

• Assess SHARP’s adoption and integration in schools and communities with diverse populations

• Evaluate SHARP’s adaptation and sustainability including fidelity and cost-effectiveness

• Determine the impact of SHARP on community-wide health outcomes of school absenteeism and use of emergency services
Consolidated Framework for Implementation Research

http://cfirguide.org/
Logic Model of School-based Asthma Interventions

Harris et al. 2015. Cochran Collaborative

Copyright © 2017 E. Kintner
Older School-Age Child & Early Adolescent Acceptance of Asthma Model
Staying Healthy - Asthma Responsible & Prepared™

- School Component
- Community Component
- Preschool Component
- Classmate Component
Commencement Activities

• Refining the framework domains, concepts, and processes
• Considering program characteristics related to complexity, resources, incentives, and barriers
• Exploring multi-level contextual and environmental factors
• Identifying outcomes, measures, and analyses
Methods

• Hybrid, blended, mixed methods, type III implementation design
• D&I study participants are targeted users.
• SHARP program participants are students with asthma and members of their social network.
Process Evaluation

• Outreach, engagement, and marketing
• Recruitment, orientation, and training
• Packaged materials and products
• Role-based monitoring and support
Instruments & Measures

• Pragmatic items
• Reliable and valid surveys
• Phases, domains, and constructs
  • Individual characteristics
  • Outer and inner setting characteristics
  • Intervention adaptive and core components
  • Process evaluation over time
• Fidelity checklists
Community-wide Outcomes

- Cost effectiveness and sustainability
- Impact on school absenteeism
- Impact on use of healthcare services
Implications

• Advance implementation science
• Guide implementation of other efficacious and effective school-based programs
• Inform health policy related to asthma self-management in schools and community settings
Become a Team Member

For More Information Contact
Dr. Eileen Kintner, Principal Investigator
ekintner@wisc.edu