Current and Future Challenges in Designing Behavioral Interventions: From Randomized Trials to Community Implementation

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Preconference Workshop Prepared for the 64th Annual Scientific Meeting of the Gerontological Society of America
Focus

- Challenges associated with population aging and behavioral intervention research
- Existing barriers between research and clinical and community practice
- New models of intervention research design and innovative tools for conducting behavioral intervention research
- New models for implementing intervention programs including the importance of and methods for tailoring interventions
- How information technologies can be used as a mechanism for intervention delivery
- Current cost effectiveness models in intervention research
Agenda

Part I – New Models for Community Partnerships, Trial Design and Treatment Implementation:

- Alan Stevens, Ph.D.
  - "The Scott & White Family Caregiver Program: Implementing the REACH II Intervention Components in a Healthcare Setting”

- Sarah Szanton, PhD, CRNP
  - "Enabling Aging in Place: Designing and implementing an inter-professional and Multi-component intervention for older adults with disability”

- Karlene Ball, Ph.D.
  - "Senior Driver Research Projects: Translating Research into Practice within the Community”

- Laura N. Gitlin, Ph.D.
  - “Implementing a Depression Intervention for Older African Americans in the Home and Community: The Beat the Blues Trial”
Agenda

- **Part II – New Approaches to Intervention Design Elements**
  - Sara J. Czaja Ph.D.
    - “The Use of Health Information Technologies in the Delivery and Evaluation of Behavioral Interventions”
  - Kathy Richards, Ph.D., RN.
  - Kimberly S. Van Haitsma, Ph.D.
    - “Using observational methods to measure treatment integrity in psychosocial intervention research”
Agenda

- **Part III – Economic Analyses**
  - Laura T. Pizzi, PharmD, MPH and Eric Jutkowitz, Doctoral Student
    - "Measuring Cost and Cost Effectiveness of Aging Interventions: Experience from Three Clinical Trials."

- **Part IV – Future of Intervention Research Funding**
  - Lynda Anderson, Ph.D.
    - "Behavioral interventions and funding opportunities: Current perspective in public health and aging"
Rationale

- Research-practice or the knowing-versus-doing divide persists
- On average, an estimated 17 years from idea inception to implementation in practice
- 14% of new scientific discoveries enter clinical practice
- Americans only receive 50% of recommended preventive, acute, and long-term health care
- Minority populations receive recommended quality of care only 35 or less percent of the time
Progress in Behavioral Intervention Research

- Past 15 years, excellent progress in behavioral intervention research
  - Large randomized and multi-site trials (ACTIVE, REACH I and II; Matter of Balance)
  - Enhanced understandings of DSMB; tailoring, multi-component interventions, fidelity
  - Different emerging pipelines from Phase I to Phase IV
  - Better understandings of community participatory research

- Emerging understandings of complexity of translation and implementation phases
  - Developing, testing and showing efficacy is only first step of a long road to changing health and wellbeing of older adults and their families
Why We Developed this Pre-Conference

- No systematic forum for learning about behavioral intervention research and educating next generation to advance testable protocols with implementation potential
- Need a new generation of behavioral intervention research focused on different pipelines, shortening time from idea to implementation in practice and which accounts for population diversity
- Need an on-going dialogue of state-of-the science in behavioral intervention to advance better designs, interventions, and their implementation.
Wilson et al., An Organizing Framework for Translation in Public Health: The Knowledge to Action Framework, 2011, Preventing Chronic Disease
Slides will be posted at: www.nursing.jhu.edu/agingcenter

Save the date: June 14-16\textsuperscript{th}, 2012 for the Johns Hopkins University Summer Research Institute on Developing Behavioral Interventions

Complete an evaluation form
“The impending crisis, which has been foreseen for decades, is now upon us. The nation needs to act now to prepare the health care workforce to meet the care needs of older adults.”

Institute of Medicine