



Implementation Science in Global Health Overview



Global Health Action Group

Anne Rositch, PhD, Johns Hopkins

Donna Shelley, MD MPH, NYU

Antoinette Percy-Laurry, DrPH, NCI

Background Information

- Disparities and cancer burden in low- and middle-income countries (LMICs) are increasing
 - Approximately 70% of deaths from cancer occur in LMICs
 - Mortality rates are higher in LMICs compared with high income countries (HICs)
 - Between 2008 and 2030, the number of new cancer cases is expected to increase more than 80% in LMICs, double the rate expected in HICs(40%).
- There is a large evidence base of interventions and strategies to increase cancer prevention and control
- But a failure to disseminate and implement the evidence in real world contexts
- Gaps in translation are due in part to a lack of D&I research and D&I practice capacity
- However, we have the opportunity to close the evidence-to-practice gap by adapting and applying D&I methods in low resource settings

Defining the Scope

- Identify gaps in D&I science in cancer prevention and control in LMICs
- Define needs to conduct high quality D&I research
 - ü Methodologic needs
 - ü Training needs
- Identify practice barriers to D&I in global context

Example ideas of what the global action group could do:

- Identify innovative methods for partnerships and conducting pragmatic trials in LMICs
- Develop guidance on frameworks and strategies for sustainability and scale up in LMICs
- Recommendations for the range of funding needed to advance this area (research and training)
- Develop recommendations for increasing visibility and priority of global D&I among funders and institutions and organizations
- Develop guidance for human subjects research in LMIC settings
- Create a primer on D&I nomenclature for global context

Group process

1. Idea generation: using Mentimeter
 - Enter ideas that can advance this topic and lead to “public goods” (e.g., training, workshops, lit reviews, other reports/publications)
2. Identifying high priority items for action: raise hand and Q&A function
 - Facilitators will summarize common/major themes/ideas
 - Flesh out using Whiteboard (contribute by raising hand or use Q&A function)
3. Moving ideas forward: using Chat feature
 - Brainstorm next steps
 - Note your interest in chat in participating in moving idea forward
 - Possible roles include: Leader, co-Leader, team member



Implementation Science in Global Health Recap



Global Health Action Group

Anne Rositch, PhD, Johns Hopkins

Donna Shelley, MD MPH, NYU

Antoinette Percy-Laurry, DrPH, NCI

Brief Overview Action Group Topic: Global health

- Disparities and cancer burden in low- and middle-income countries (LMICs) are increasing
 - Approximately 70% of deaths from cancer occur in LMICs
 - From 2008-2030, the number of new cancer cases is expected to increase more than 80% in LMICs, double the rate expected in HICs (40%).
- There is a large evidence base of interventions and strategies to increase cancer prevention and control, but:
 - Failure to disseminate and implement the evidence in real world contexts
 - Gaps in translation are due, in part, to a lack of D&I research and practice capacity

However, we have the opportunity to close the evidence-to-practice gap by adapting and applying D&I methods in low resource settings

Major Ideas from Discussion

- Capacity building
 - Identify and disseminate models (e.g. team science, ECHO, global network, TIDIRC)
 - Compile resources (e.g. training, funding, toolkits), particularly those relevant to LMICs
- Demystifying D&I science
 - Create a primer on D&I nomenclature, frameworks, methods to increase accessibility
 - Use case study approach to expanding transparency and clarity of terms and methods (e.g. series of papers or journal supplement)
 - Develop guidance on how to ask a “good” D&I question
- Give context to “context” in diverse settings
 - Identify gaps in research on measuring context and how it influences D&I in LMICs settings (e.g. standard tools, use of context data for adaptation, translation across contexts)
 - Identify examples of research grounded in assessment of local context

Additional Ideas to Explore in Day Two

- Stakeholder engagement
 - Identify examples of effective bidirectional or reverse learning
 - Identify effective participatory approaches in LMIC context
- Increasing international participation
 - Identify funding, research, communication and infrastructure needs to expand participation of researchers, policymakers and practitioners
- Sustainability and Scale up
 - Identify gaps and opportunities to expand research in LMICs
 - Create a learning series on pitfalls and “best practices” from real world projects