Implementation Science in Global Health Overview
Global Health Action Group

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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
  - Methodologic needs
  - 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
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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