Bridging the Gap: Enhancing Evidence-Informed Decision-Making in Newborn and Child Health through the Global Evidence, Local Adaptation (GELA) Project

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EDCTP

Background

- Poverty Related Diseases (PRD) are a significant cause of child mortality in SSA. Evidence-based Clinical Practice Guidelines (CPG) are crucial for improving healthcare and reducing child mortality.
- GELA project addresses complex and resource-intensive guideline development challenges in SSA.
- Gaps: Persistent challenge of conducting redundant systematic reviews & developing Clinical Practice Guidelines (CPGs) on similar topics in SSA- wastage and duplication of efforts.
  - Lack of transparency & reporting on changes during CPG in SSA raises concerns about the credibility of recommendations.
- Need for effective communication strategies for presenting findings from SR of qualitative evidence to CPG panels.
- Addressing gaps is crucial for enhancing the impact of evidence-informed guideline recommendations in practice.

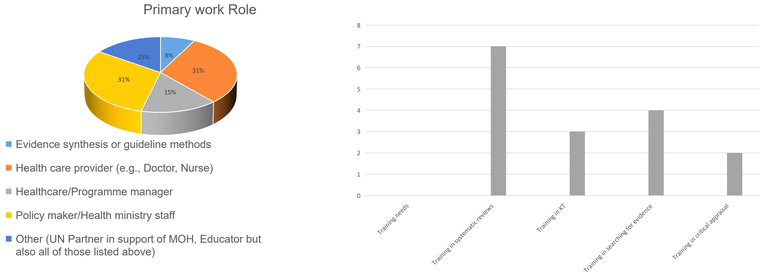
Study objectives

Main objective is to assess the impact of GELA project activities and processes on the ability of stakeholders to effectively use evidence in guideline development

1. Monitor ongoing engagements with local stakeholders across work packages and explore what works well.
2. Assess the capacity needs of guideline panels, steering group committees
   - explore their views and experiences of the project's capacity development activities.
3. Explore guideline panelists' experiences with reading and using evidence from reviews of qualitative research
4. Assess the influence project activities may have on evidence-informed decision making and guideline adaptation processes .

Results- objective 2

Figure 3&4 Results of the baseline capacity development needs assessments



Courses offered so far

- Primer in Systematic Review
- Clinical Practice Guideline Development
- Qualitative Evidence Synthesis (QES) basic introduction
- Preparing participation in GDG

Future research direction

- A ive and participatory guideline development processes, focusing on enhancing knowledge and skills among guideline panels and steering groups to positively impact evidence-informed decision-making and guideline adaptation in targeted regions.
- Optimizing Knowledge Translation: Investigate ways in which user testing outcomes can be utilized to optimize knowledge translation within guideline development. This could involve studying how improved user understanding translates into more effective communication and application of guidelines by healthcare practitioners.
- Exploring Technology Integration: Consider the integration of technology in user testing processes for clinical practice guidelines. This may involve the development of digital platforms or tools that facilitate user testing and gather real-time feedback, potentially expediting the refinement of guidelines.

Methods

Study design

Longitudinal, mixed-methods study design

- Series of interconnected qualitative and quantitative data collections methods will be used for each objective
- User testing approach- observing people as they engage with a product to get views and experience, problem faced

Figure 1: Iterative approach for user testing evidence from reviews of qualitative research

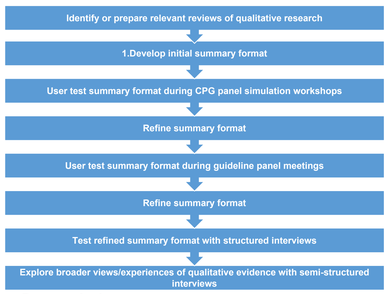
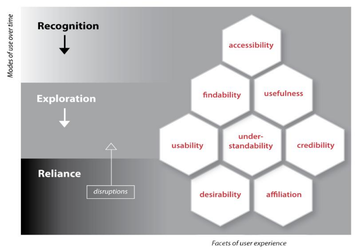


Figure 2: Adapted Peter Morville's Honeycomb UE



Data analysis

- Data collected for baseline, Midline & End line survey : Descriptive statistics - determine the various training needs
- Qualitative data gathered using the open-ended questions: Manual coding and large data sets using NVivo
- The analysis will proceed in several, iterative rounds to develop and revise the summary format
- After each user test, we will review our notes, first separately and then together.
- In line with the SURE user test package 2022 guidance, we will look primarily for barriers and facilitators related to correct interpretation of the summary's contents, ease of use, and favourable reception, drawing on the facets of the revised honeycomb model of user experience (figure 2)

Expected Results -Objective 3

- **Enhanced Guideline Panel Interaction**: Through the user testing approach, we anticipate a refined and user-friendly format for summarizing reviews of qualitative research.
- **Improved User Understanding**: The iterative user testing process is expected to identify and address potential barriers, ensuring that the developed summary format is easily comprehensible to guideline panel members.
- **Informed Decision-Making Processes:** The accumulated feedback incorporation, and semi-structured interviews is anticipated to contribute to guideline panel members' broader views and experiences in interpreting and using evidence from reviews of qualitative studies.

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