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1. Title:

Exploring Global Typhoid Control with the Consolidated Framework for Implementation Research

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3. Keywords: interviews; typhoid fever; public health experts; typhoid control interventions; Nigeria; South Africa; Vietnam; Thailand; Consolidated Framework for Implementation Research

4. Abstract Text

a) Background and aims: Typhoid remains a major global cause of morbidity in low and middle income countries, significantly contributing to mortality in some age groups and settings. Over the last decades, typhoid rates have been successfully reduced with interventions such as improved/safe water sources, adequate sanitation, appropriate personal and food hygiene practices and vaccination. Past research has primarily focused on monitoring typhoid rates with little attention to how these interventions had been implemented. This research addresses this gap by examining implementation of typhoid control interventions in seven countries: Nigeria, Kenya, South Africa, Pakistan, India, Bangladesh, Vietnam and Thailand. The study uses the Consolidated Framework for Implementation Research (CFIR) to identify which of 39 CFIR factors are most strongly associated with implementation success.

b) Methods: In each of the seven countries, 4 to 6 public health experts with extensive experience typhoid control will be interviewed about country specific interventions, initiative outcomes, as well as barriers and facilitators to implementation and monitoring. Participants will also fill out a questionnaire assessing the importance of the CFIR factors relative to the implementation of typhoid interventions.

c) Conclusion: Identifying factors associated with implementation success has implications for advancing implementation knowledge and for improving implementation practice in global health. For instance, factors emerging as most important can be manipulated in implementation planning to improve success. Comparisons across settings (health, mental health) can highlight the factors that are most robust, and set us on a path toward more effective implementation and better outcomes.