

Supplemental Table 1. Overview of study procedures

Step	Method	Discipline	Objective	Data sources
1.	Review of reviews (Supplemental File 2)	Implementation science	To identify and characterize the relationships between barriers and facilitators (i.e., determinants) to implementing mental health services in low- and middle-income countries	Eligible studies indexed in Pubmed
2.	Mapping implementation determinants (Table 2)	Implementation science	To categorize determinants according to the multilevel domains defined by the Integrated Sustainability Framework (ISF)	Eligible studies indexed in Pubmed
3.	Inter-relationship digraph (Supplemental File 3)	Systems science	To visualize the relationships between determinants and mental health implementation, services, and patient outcomes	Eligible studies indexed in Pubmed

4.	Theoretical Framework (Figure 1 outcomes)	Systems science + implementation science	To distil key implementation determinants and outcomes; to describe the relationship between these constructs	Inter-relationship digraph
5.	Causal loop diagram (Figure 2)	Systems science + implementation science	To identify feedback loops describing the relationship among determinants and outcomes	Inter-relationship digraph, theoretical framework, author input