

## Research Agenda

Area	Objective	Activity
<b>Crowdsource community ideas on locally appropriate COVID-19 prevention measures</b>	Crowdsourcing community ideas on how <b>shielding</b> of high-risk individuals from COVID-19 could work in a variety of Sudanese contexts	Qualitative study of the acceptability, feasibility and local adaptations of a shielding approach, among six illustrative communities in Sudan ( <i>Data collection completed</i> )
	Crowdsourcing community ideas on <b>social distancing and self-isolation strategies</b> to prevent COVID-19 could work in a variety of Sudanese contexts	Qualitative study of the facilitators and barriers to social distancing and self-isolation, and local adaptations and innovations for social distancing in illustrative communities in Sudan
	Crowdsourcing ideas from community gate keepers (including CSOs) on effective community mobilization and consensus building for COVID-19 prevention at the neighbourhood, multifamily or even professional network level	Qualitative study using in-depth interviews with purposively selected COVID-19 community gate keepers (including influential CSOs, professional networks, neighbourhood committees and humanitarian actors in camps), at multiple time points during the epidemic
<b>Develop and evaluate a series of locally adapted COVID-19 prevention awareness campaigns</b>	Raising awareness about the triad of prevention strategies (social distancing, shielding and self-isolation of the mildly symptomatic). The campaigns should be based on locally appropriate content and formats – informed by the qualitative crowdsourcing study results	Development of a series of national multimedia campaigns, using locally appropriate content and formats. The campaigns can be endorsed by the FMOH and promoted within communities by Y-peer Sudan, as well as digitally by Y-peers, Sudanese CSOs, and FMOH.
	Evaluation of the effect of media campaign on behaviour change (shielding, self-isolation and social distancing)	Pre/during/post evaluation study of campaign materials, specifically their impact on behaviour change in target communities
<b>Develop and evaluate a COVID-19 community decision making tool</b>	Enable communities (no matter how small or dispersed) to analyse the options for prevention of COVID-19 and determine the best course of action using locally available resources	Development and evaluation of a community decision making tool for the selection of locally appropriate COVID-19 prevention strategies  Pre/during/post evaluation of the implementation of the guide by diverse communities across Sudan
<b>Assess changes in social mixing levels and patterns</b>	Understand patterns and levels social mixing (i.e. who is mixing with who and where) and how these change over time as prevention activities are implemented and the epidemic progresses	A series of nationally-representative quantitative surveys to quantify changes in social mixing patterns at specific time points throughout the epidemic, and use the findings to inform modelling projections for the course of the epidemic in Sudan

<p><b>Quantify the level of COVID-19 infections</b></p>	<p>Measure the extent of spread of COVID-19 in the general population (or specific vulnerable populations in Sudan) to inform response interventions</p>	<p>Conduct a series of cross-sectional serological surveys using rapid testing to measure the true extent of COVID-19 in the population. This will need to be coordinated with FMOH, and particularly vulnerable populations can be prioritised</p>
<p><b>Quantify the projected impact of existing prevention strategies</b></p>	<p>Finetune existing Sudan specific models based on social mixing and infection data from above mentioned studies</p>	<p>Mathematical modelling studies of COVID-19 impact in Sudan</p>