

# Analysis of respiratory virus and bacteria shedding in exhaled breath and mass masking behaviour in a Kenyan community

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## Objectives:

1. To explore knowledge, attitudes and perceptions involved in human response to the COVID-19 pandemic
2. To determine how knowledge, attitudes and perceptions influence the behaviour and practices of mass mask wearing in individuals across different socio-economic strata
3. To conduct a pilot study to determine presence of SARS-CoV-2 virus on masks and optimize laboratory protocols for detection of SARS-CoV-2 virus from masks of infected individuals.
4. To validate the field-to-laboratory protocols and test their utility for non-invasive community surveillance of SARS-CoV-2

