Data File Description

Data Citation

Agoti, Charles N., 2020, "Replication Data for: Pooled testing conserves SARS-CoV-2 laboratory resources and improves turn-around time: experience at KEMRI-Wellcome Trust Programme, Kenya", https://doi.org/10.7910/DVN/I4XUC5, Harvard Dataverse, V1

File-by-File Description

Short descritption: These data is part of the nationwide testing of SARS-CoV-2 at the KEMRI-Wellcome Trust Programme, Kenya. It contains results of specimens collected between in June 2020 which were processed and screened for SARS-COV-2 using real-time polymerase chain reaction (RT-PCR). Aside from that, it also contains the quantification cycle (Ct) values for both the pools and the individual Ct values. The data is used to describe the experience of using pooled testing at KEMRI-Wellcome Trust Programme, Kenya.

A.Dataset name: **pool_data.dta**
File Structure: i) Number of variables: **5**
ii) Number of cases/observations: **1500**
iii) Size of dataset: **7500**

B.Dataset name**: country_15Jul2020.csv**
File Structure: i) Number of variables**: 5**
ii) Number of cases/observations**: 117**
iii) Size of dataset: **2,223**

C.Dataset name**: country_15Jul2020.csv**
File Structure: i) Number of variables**: 6**
ii) Number of cases/observations: **113**
iii) Size of dataset: **3,051**

D.Dataset name: **Ct_values_pool_vs_individual.csv**
File Structure: i) Number of variables: **5**
ii) Number of cases/observations: **112**
iii) Size of dataset: **1,568**

D.Dataset name**: positivity_pools.csv**
File Structure**:** i) Number of variables**: 2**
ii) Number of cases/observations**: 250**
iii) Size of dataset**: 750**

Relationship between files or a description of the file structure that holds them, if important for context: :

N/A

Variable Codebook

Variable Name	Description	Value	Label	Type
no	Sample id			Numeric
poolnumber	numbers assigned to pools			Numeric
pools	pool numbers			Numeric
pool_ct	quantification cycle of pools			Numeric
expand_ct	quantification cycle of individual samples in the pools			Numeric
collection_date	Date of sample collection			Character
negative	Tested negative			Numeric
positive	Tested positive			Numeric
tests	Number tested			Numeric
proportion	Proportion that tested positive			Numeric
daily_positive	Daily positives			Numeric
percentage	Percentage positive			Numeric

individual_ct	quantification cycle of individuals	Numeric