



power by expected % of district-level cases in trial population Poisson GLM 2.5% 5% 7.5% 10% with fixed effects by cluster 0.8 -0.5 trial probability of rejecting null 0.2 -**SWCT** 0.1 -RCT 0.05 -**FRCT** 0.025 order 0.01 random risk-prioritized simultaneous instant 0.5 0.7 0.9 0.5 0.7 0.9 0.5 0.7 0.9 0.5 0.7 0.9 vaccine efficacy

power by expected % of district-level cases in trial population bootstrap over 2.5% 5% 7.5% 10% Cox PH Frailty 0.8 -0.5 probability of rejecting null 0.2 -0.1 order 0.05 random 0.025 trial 0.01 -**SWCT** 0.5 0.7 0.9 0.5 0.7 0.9 0.5 0.7 0.9 0.5 0.7 0.9

vaccine efficacy









