



power by expected % of district-level cases in trial population Poisson GLM 2.5% 5% 7.5% 10% with fixed effects by cluster 1 trial probability of rejecting null **SWCT** 0.75 -RCT **FRCT** 0.5 order random 0.25 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 0

vaccine efficacy

power by expected % of district-level cases in trial population bootstrap over 2.5% 10% 5% 7.5% Cox PH Frailty order random trial **SWCT**











