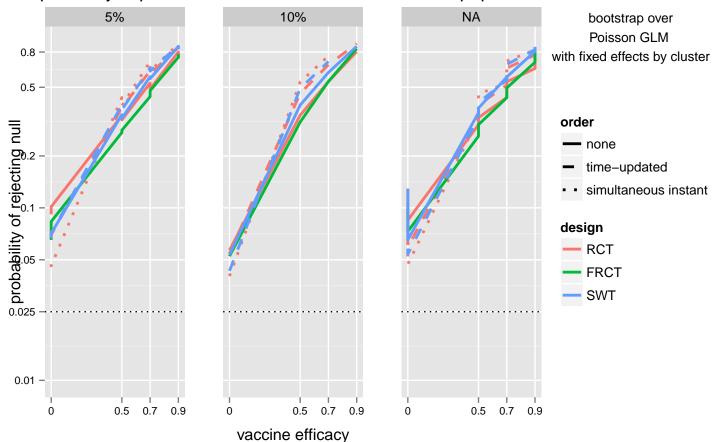


power by expected % of district-level cases in trial population 5% 10% NA bootstrap over Cox PH Frailty 0.8 -0.5 order probability of rejecting null none time-updated simultaneous instant design - RCT FRCT SWT 0.01 -0.5 0.7 0.9 0.5 0.7 0.9 0.5 0.7 0.9

vaccine efficacy

power by expected % of district-level cases in trial population 5% 10% NA bootstrap over Poisson GLM 0.8 no cluster effects 0.5 order probability of rejecting null none time-updated simultaneous instant design - RCT FRCT SWT 0.01 -0.5 0.7 0.9 0.5 0.7 0.9 0.5 0.9 0.7

vaccine efficacy



power by expected % of district-level cases in trial population 10% 5% NA permutation test over Cox PH Frailty 0.8 -0.5 order probability of rejecting null none time-updated simultaneous instant design RCT FRCT SWT 0.01 -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 10% 5% NA permutation test over Poisson GLM 0.8 no cluster effects 0.5 order none time-updated simultaneous instant design RCT **FRCT** SWT

probability of rejecting null

0.01 -

0.5 0.7 0.9

0.5

vaccine efficacy

0.7

0.9

0.5

0.7

0.9

