A

MDA	fMDA in household only	fMDA within 200m	all parasite detection
MSAT	fMDA within 50m	snowball RCD	performed with RDTs

B

MDA

pooled PCR

fMDA in household
using serological diagnostic

MSAT using serological
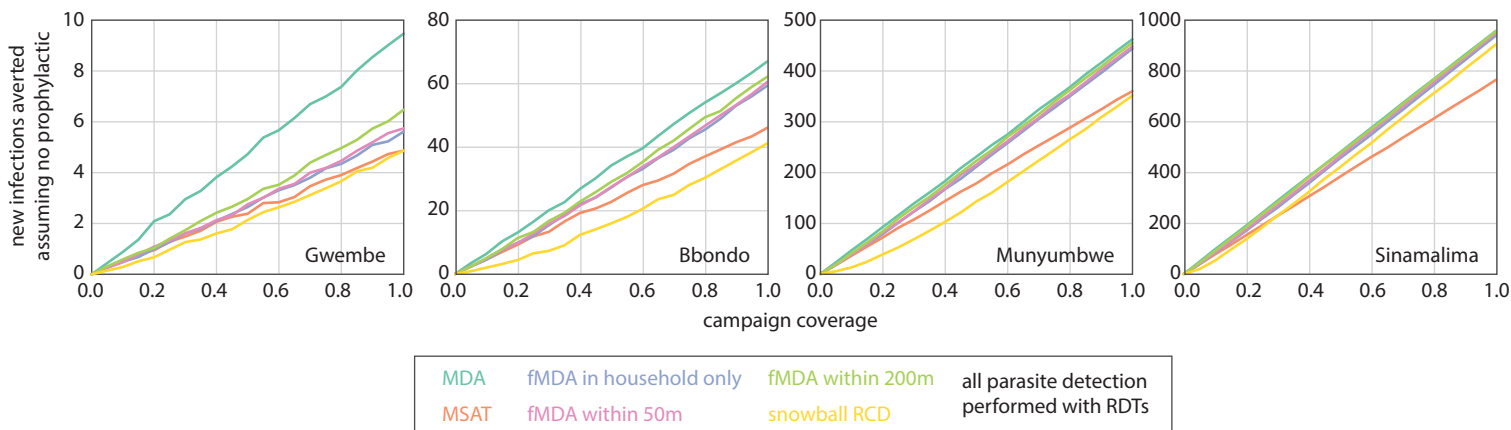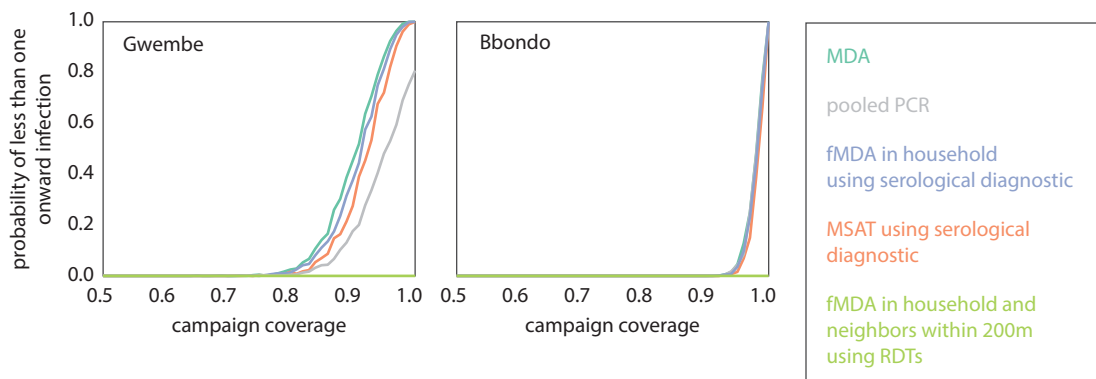diagnostic

fMDA in household and
neighbors within 200m
using RDTs

Figure S4. Campaigns without a long-lasting prophylactic are much less successful at averting new infections. (A) Success of infection detection strategies at averting new infections when campaign drug is not prophylactic. Mean of 100 stochastic realizations per coverage level. HFCA populations normalized to 1000. (B) Probability of fewer than 1 onward infection per 1000 people in Gwembe and Bbondo HFCAs if the campaign drug has no prophylactic effect. Mean of 1000 stochastic realizations.