Estimated vaccine efficacy v. symptomatic COVID-19 infection at Day 57 working MSM summary: $(\hat{\beta}_{TMLE} = 0.0914, p-value = 0.1802)$ infection 5 against symptomatic O Stochastic interventional

Posited change in standardized pseudo-neutralizing antibody (ID50)

Stochastic interventional vaccine efficacy v. COVID-19 infection across standardized shifts in pseudo-neutralizing antibody (ID50) levels, summarized by projection of causal dose-response curve on a linear working model.