Estimated vaccine efficacy v. symptomatic COVID-19 infection at Day 57 working MSM summary:  $(\hat{\beta}_{TMLE} = 0.0784, p-value = 0.1948)$ infection 5 OO 0.9 symptomatic against s Stochastic interventional

Posited change in standardized RBD binding antibody

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