**Estimated vaccine efficacy v. symptomatic COVID-19 infection at Day 29**
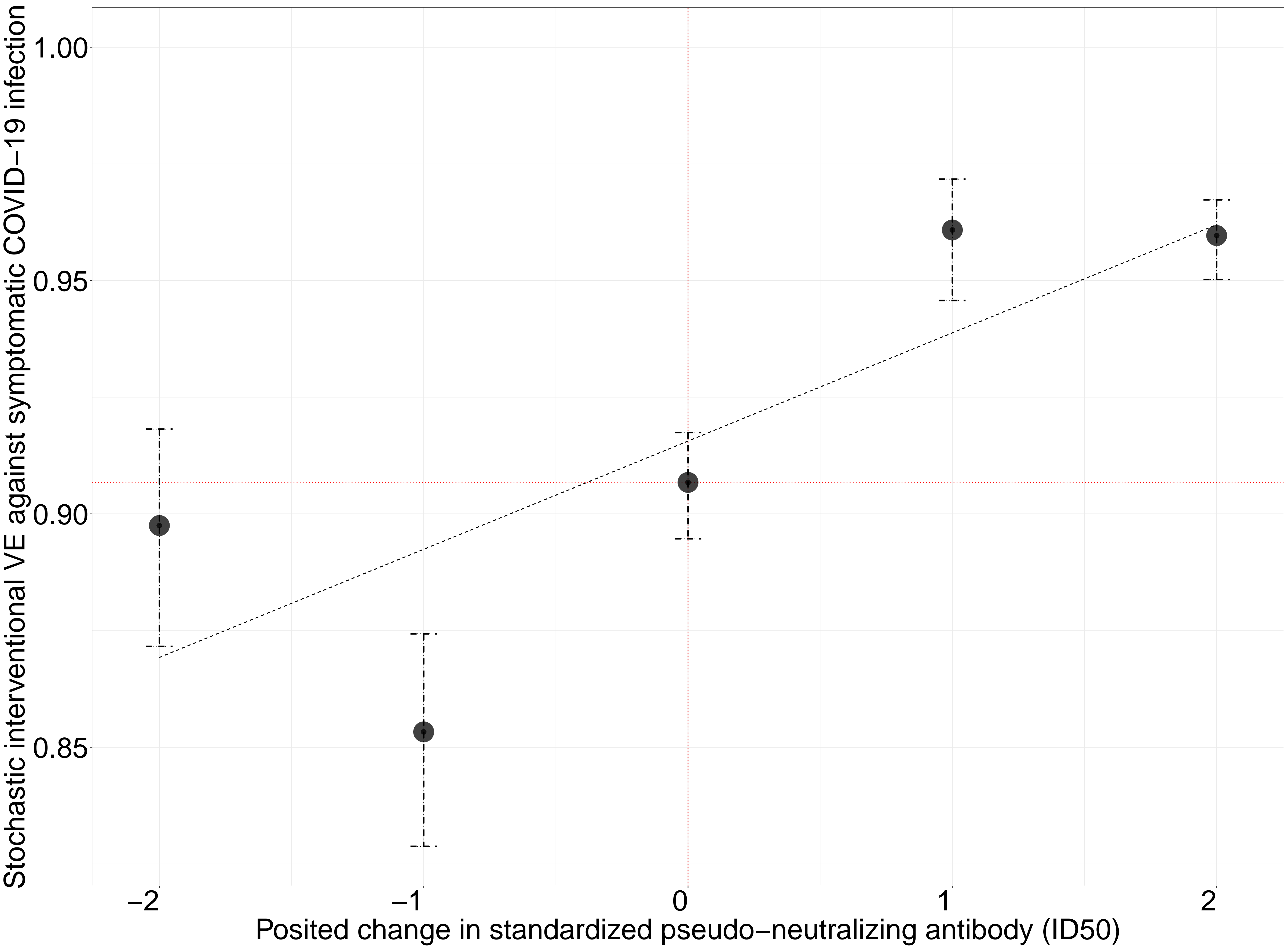
working MSM summary: ($\hat{\beta}_{TMLE}$ = 0.0232, p-value = 0.5253)

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.