S2 Fig. Conditional Covariate Effects

A Conditional effects - Baseline ordinal score

B Conditional effects - Age

C Conditional effects - BMI

- Relative risk of mechanical ventilation or death (reference individuals)
- Ordinal score
- Control
- HCQ/ CQ
- Treatment effect (log proportional odds ratio) (reference individuals)
- Age
- BMI
Conditional effects from the Bayesian proportional odds model. Shown are (1) the relative risk of mechanical ventilation or death at day 28-35; (2) the estimated probabilities of mechanical ventilation or death at day 28-35 under control and HCQ/CQ; and (3) the log proportional odds ratio comparing HCQ/CQ and control. Each of these effects are shown for reference individuals with the following covariate values: age 60, BMI 25, no baseline comorbidities, baseline ordinal score of 5, and sex coefficient set between male and female values. Curves for continuous covariates are accompanied by 50% and 95% credible bands; intervals for discrete covariates are accompanied by 66% and 95% credible intervals. BMI indicates body mass index; HCQ/CQ, hydroxychloroquine or chloroquine.