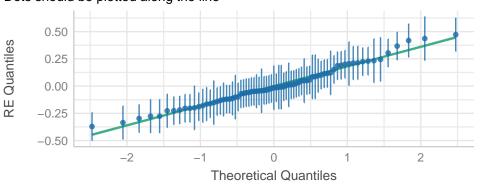
Posterior Predictive Check Model-predicted lines should resemble observed data line 0.04 0.03 Density 0.02 0.01 0.00 25 50 75 100 log1p(labs_hdl) Observed data — Model-predicted data Homogeneity of Variance Reference line should be flat and horizontal 1.5 √|Std. residuals| 1.0 0.5 0.0 4.50 3.75 4.00 4.25 Fitted values Collinearity

High collinearity (VIF) may inflate parameter uncertainty Variance Inflation Factor (VIF, log-scaled) 10

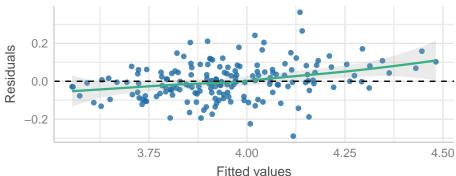




Normality of Random Effects (record_id) Dots should be plotted along the line

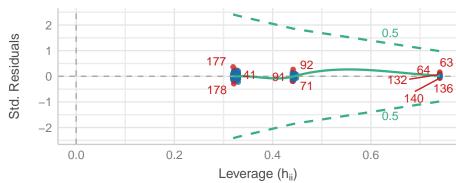


Linearity Reference line should be flat and horizontal



Influential Observations

Points should be inside the contour lines



Normality of Residuals

