Posterior Predictive Check Model-predicted lines should resemble observed data line 0.04 0.03 Density 0.02 0.01 0.00 25 50 75 100 125 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 3.75 4.00 4.25 4.50 Fitted values Collinearity High collinearity (VIF) may inflate parameter uncertainty Variance Inflation Factor (VIF, log-scaled) 10 allocation_group:visit allocation_group visit Low (< 5) Normality of Random Effects (record_id) Dots should be plotted along the line 0.50 RE Quantiles 0.25 0.00

Theoretical Quantiles

-0.25

-0.50

Linearity Reference line should be flat and horizontal 0.2 Residuals

4.00

Fitted values

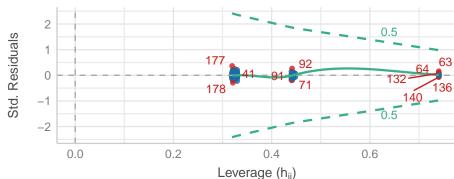
4.25

4.50

Influential Observations Points should be inside the contour lines

3.75

-0.2



Normality of Residuals

2

