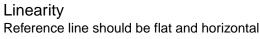
## Posterior Predictive Check Model-predicted lines should resemble observed data line 0.0075 Density 0.0050 0.0025 0.0000 100 200 300 500 log1p(labs\_triglycerides) Observed data — Model-predicted data Homogeneity of Variance Reference line should be flat and horizontal 1.5 VStd. residuals 1.0 0.5 0.0 5.0 5.5 4.5 Fitted values Collinearity High collinearity (VIF) may inflate parameter uncertainty Variance Inflation Factor (VIF, log-scaled) 10 5 3 2 allocation\_group allocation\_group:visit visit Low (< 5) Normality of Random Effects (record\_id) Dots should be plotted along the line 1.0 RE Quantiles 0.5 0.0

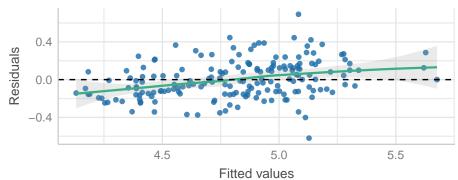
Theoretical Quantiles

-0.5

-1.0

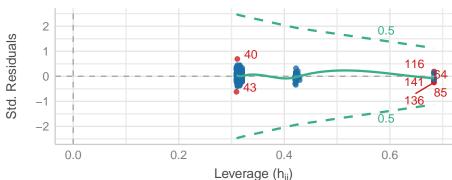
-2





## Influential Observations

Points should be inside the contour lines



## Normality of Residuals

Dots should fall along the line

