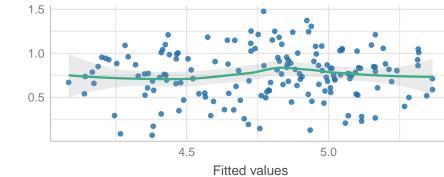
Model-predicted lines should resemble observed data line 0.009 Density 0.006 0.003 0.000 100 200 300 400 500 log1p(labs_triglycerides)

Homogeneity of Variance

Posterior Predictive Check

Reference line should be flat and horizontal

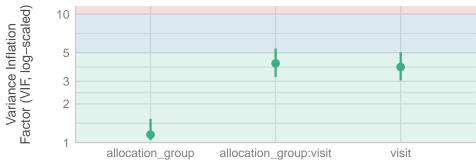


Observed data — Model-predicted data

Collinearity

√|Std. residuals|

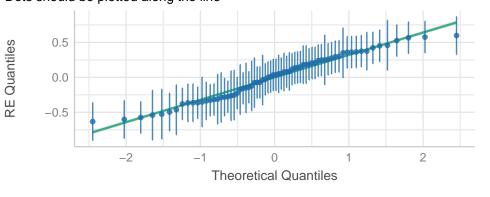
High collinearity (VIF) may inflate parameter uncertainty



Low (< 5)

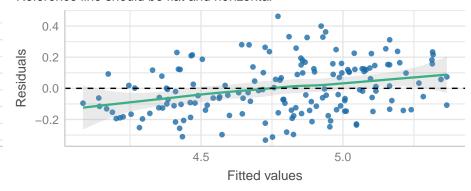
Normality of Random Effects (record_id)

Dots should be plotted along the line



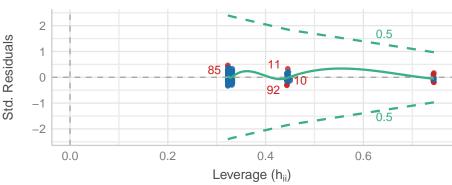
Linearity

Reference line should be flat and horizontal



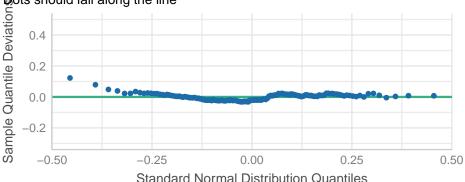
Influential Observations

Points should be inside the contour lines



Normality of Residuals

Dots should fall along the line



Standard Normal Distribution Quantiles