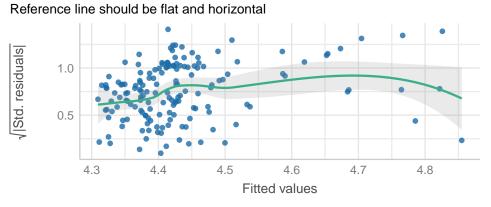
Posterior Predictive Check Model-predicted lines should resemble observed data line 0.04 Density 0.03 0.02

0.00 50 75 100 125 log1p(labs_glucose) Observed data — Model-predicted data

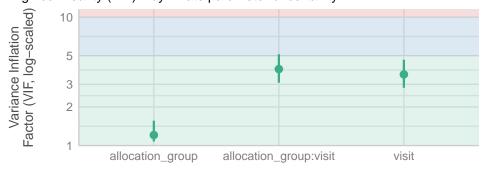
Homogeneity of Variance



Collinearity

0.01

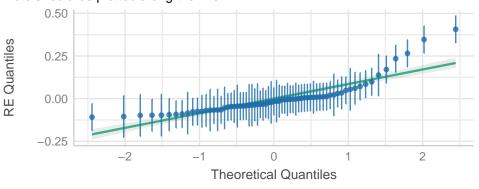
High collinearity (VIF) may inflate parameter uncertainty





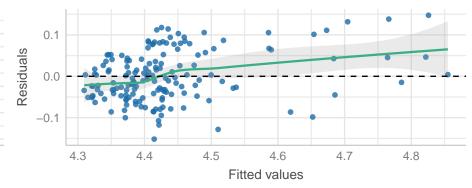
Normality of Random Effects (record_id)

Dots should be plotted along the line



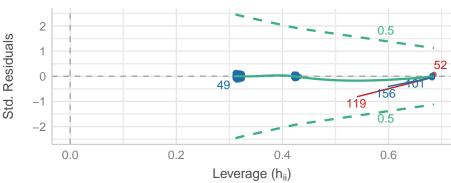
Linearity

Reference line should be flat and horizontal

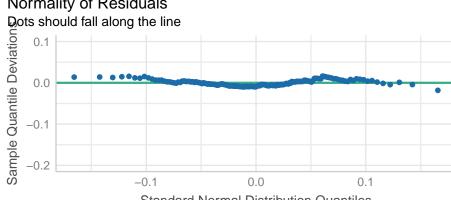


Influential Observations

Points should be inside the contour lines



Normality of Residuals



Standard Normal Distribution Quantiles