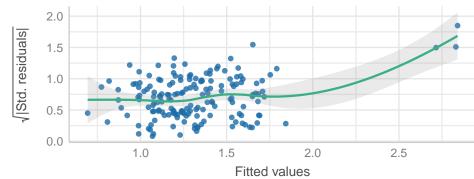
Model-predicted lines should resemble observed data line 0.3 Density 0.2 0.1 0.0 10 20 30 40 log1p(labs_homa_ir) Observed data — Model-predicted data

Homogeneity of Variance

Posterior Predictive Check

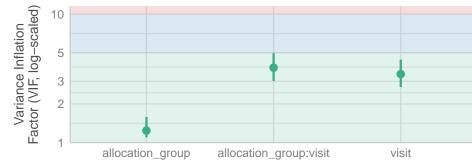
Reference line should be flat and horizontal



Collinearity

RE Quantiles

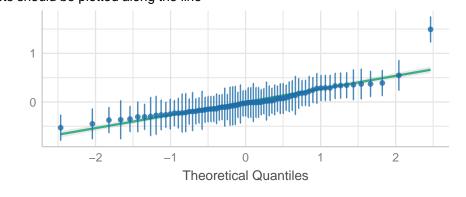
High collinearity (VIF) may inflate parameter uncertainty



Low (< 5)

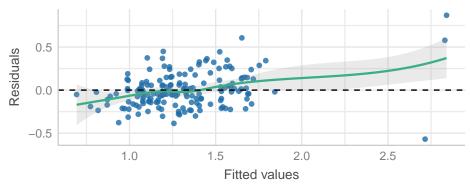
Normality of Random Effects (record_id)

Dots should be plotted along the line



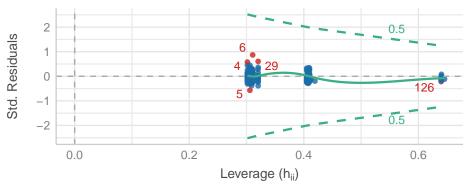
Linearity

Reference line should be flat and horizontal



Influential Observations

Points should be inside the contour lines



Normality of Residuals

