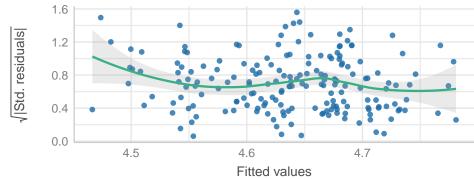
Posterior Predictive Check Model-predicted lines should resemble observed data line 0.06 0.04 Density 0.02 0.00 90 100 110 120 80

log1p(abdomen)

Observed data — Model-predicted data

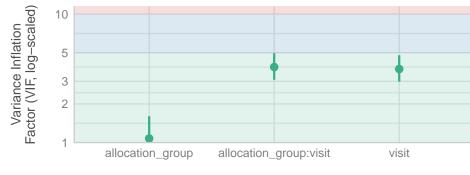
Homogeneity of Variance

Reference line should be flat and horizontal



Collinearity

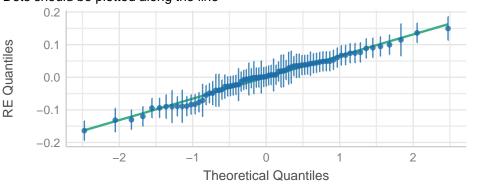
High collinearity (VIF) may inflate parameter uncertainty



Low (< 5)

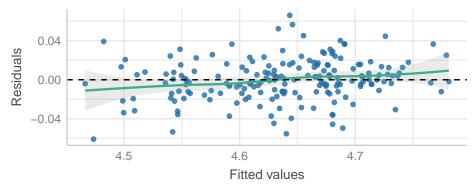
Normality of Random Effects (record_id)

Dots should be plotted along the line



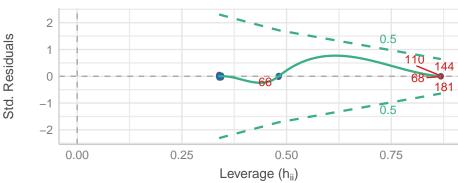
Linearity

Reference line should be flat and horizontal



Influential Observations

Points should be inside the contour lines



Normality of Residuals

