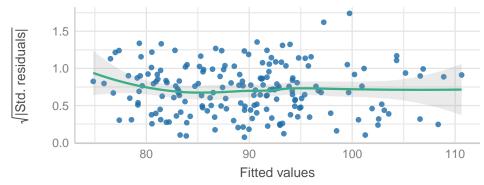
Model-predicted lines should resemble observed data line 0.04 Density 0.03 0.02 0.01 0.00 80 100 120 60 mean_bp_mean Observed data — Model-predicted data

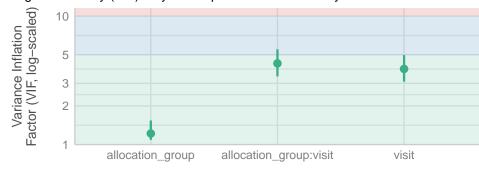
Homogeneity of Variance Reference line should be flat and horizontal

Posterior Predictive Check



Collinearity

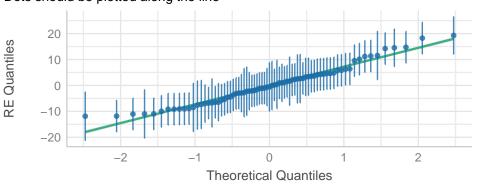
High collinearity (VIF) may inflate parameter uncertainty



Low (< 5)

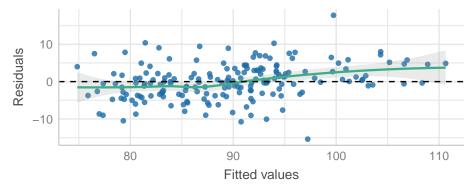
Normality of Random Effects (record_id)

Dots should be plotted along the line



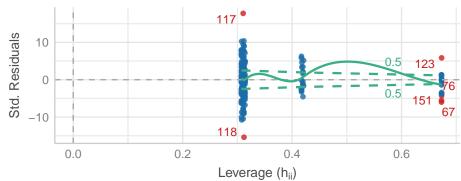
Linearity

Reference line should be flat and horizontal



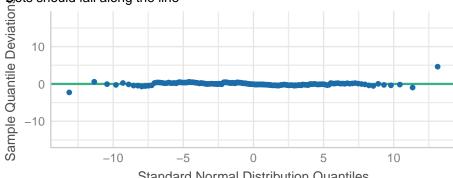
Influential Observations

Points should be inside the contour lines



Normality of Residuals

Dots should fall along the line



Standard Normal Distribution Quantiles