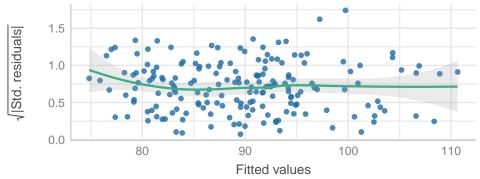
## Model-predicted lines should resemble observed data line 0.04 Density 0.03 0.02 0.01 0.00 80 100 120 60 mean\_bp\_mean

Observed data — Model-predicted data

# Homogeneity of Variance

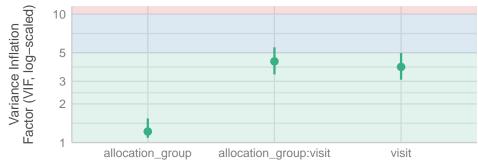
Posterior Predictive Check

Reference line should be flat and horizontal



## Collinearity

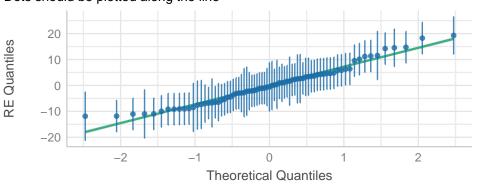
High collinearity (VIF) may inflate parameter uncertainty



Low (< 5)

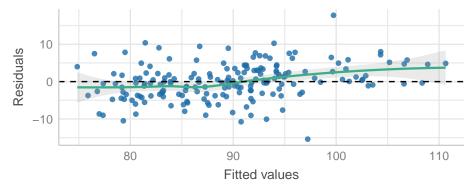
## Normality of Random Effects (record\_id)

Dots should be plotted along the line



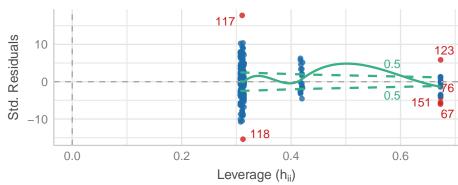
### Linearity

Reference line should be flat and horizontal



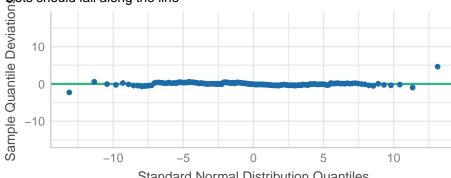
#### Influential Observations

Points should be inside the contour lines



### Normality of Residuals

Dots should fall along the line



Standard Normal Distribution Quantiles