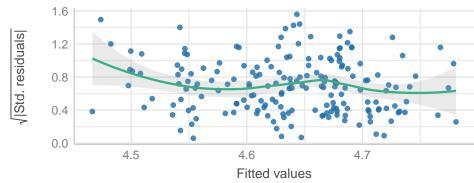
### Posterior Predictive Check Model-predicted lines should resemble observed data line 0.06 0.04 Density 0.02 0.00 90 100 110 120 80 log1p(abdomen)

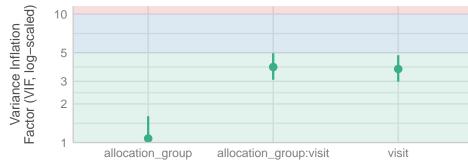
# Observed data — Model-predicted data Homogeneity of Variance

Reference line should be flat and horizontal



## Collinearity

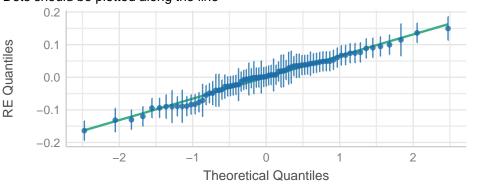
High collinearity (VIF) may inflate parameter uncertainty



Low (< 5)

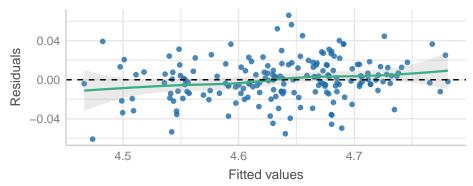
# Normality of Random Effects (record\_id)

Dots should be plotted along the line



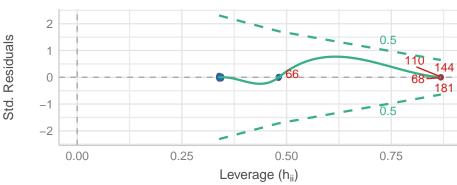
#### Linearity

Reference line should be flat and horizontal



#### Influential Observations

Points should be inside the contour lines



### Normality of Residuals

