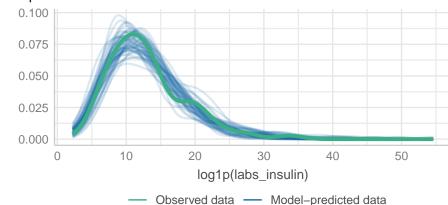
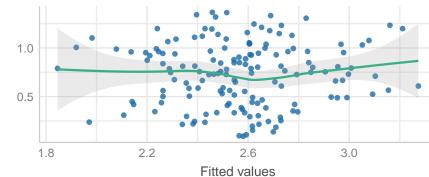
# Posterior Predictive Check Model–predicted lines should resemble observed data line 0.100



## Homogeneity of Variance

Reference line should be flat and horizontal



## Collinearity

Density

√|Std. residuals

RE Quantiles

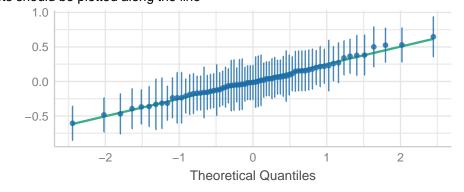
High collinearity (VIF) may inflate parameter uncertainty





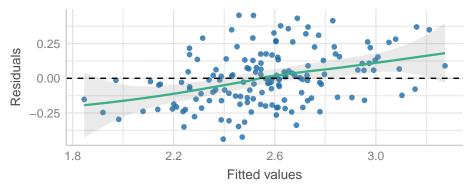
## Normality of Random Effects (record\_id)

Dots should be plotted along the line



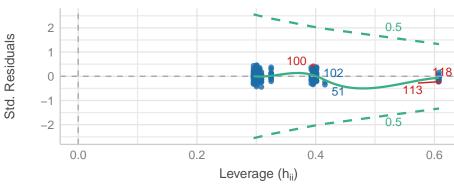
#### Linearity

Reference line should be flat and horizontal



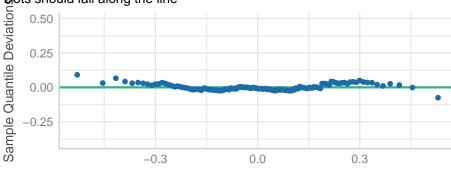
#### Influential Observations

Points should be inside the contour lines



### Normality of Residuals

Dots should fall along the line



Standard Normal Distribution Quantiles