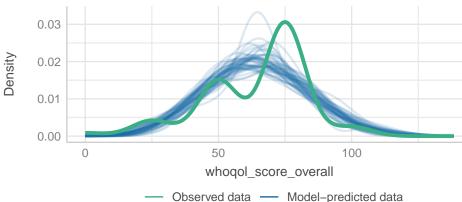
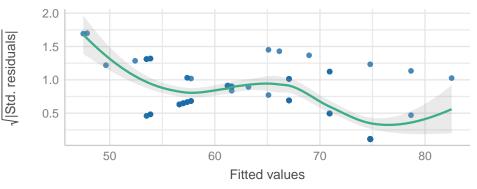
# Posterior Predictive Check Model-predicted lines should resemble observed data line

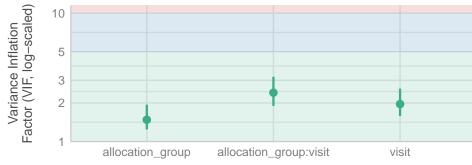


### Homogeneity of Variance Reference line should be flat and horizontal



# Collinearity

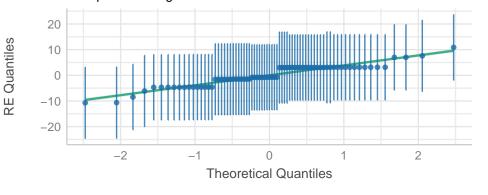
High collinearity (VIF) may inflate parameter uncertainty





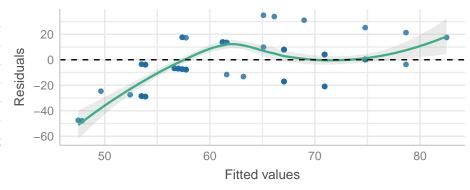
# Normality of Random Effects (record\_id)

Dots should be plotted along the line



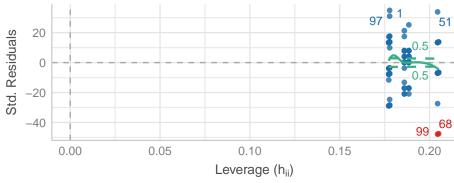
## Linearity

Reference line should be flat and horizontal



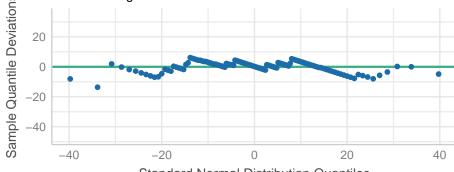
#### Influential Observations

Points should be inside the contour lines



### Normality of Residuals

Dots should fall along the line



Standard Normal Distribution Quantiles