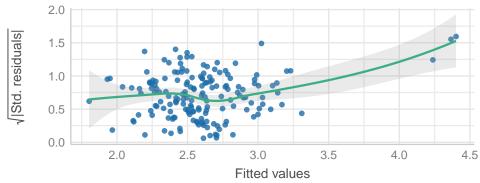
# Posterior Predictive Check Model–predicted lines should resemble observed data line 0.08 0.04 0.02 0.00 0 50 100 150 log1p(labs\_insulin) — Observed data — Model–predicted data

## Reference line should be flat and horizontal STRIPPION OF THE PROPERTY OF THE

Fitted values

### Homogeneity of Variance

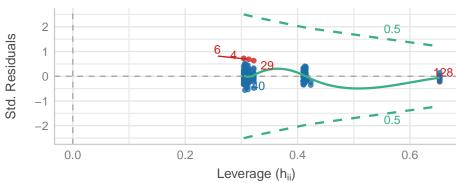
Reference line should be flat and horizontal



### Influential Observations

Linearity

Points should be inside the contour lines



### Collinearity

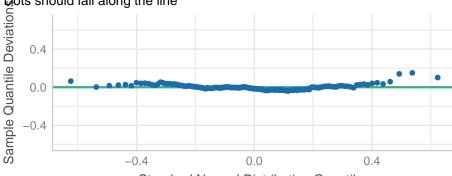
RE Quantiles

High collinearity (VIF) may inflate parameter uncertainty



### Normality of Residuals

Dots should fall along the line



Standard Normal Distribution Quantiles

## ♠ Low (< 5)</p> Normality of Random Effects (record\_id)

Dots should be plotted along the line

