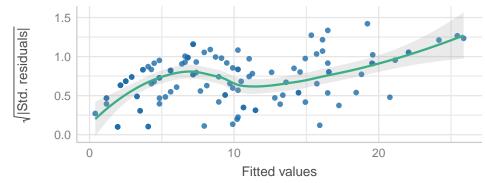
# Posterior Predictive Check Model-predicted lines should resemble observed data line 0.04 Density 0.02 0.00 -20 40 dass\_score\_depression

Observed data — Model-predicted data

## Homogeneity of Variance

Reference line should be flat and horizontal



### Collinearity

RE Quantiles

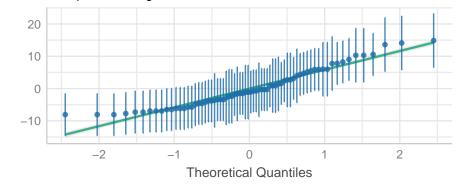
High collinearity (VIF) may inflate parameter uncertainty





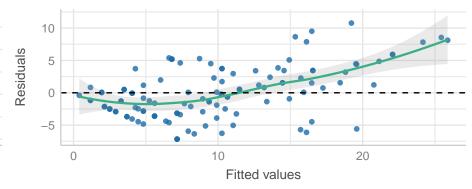
### Normality of Random Effects (record\_id)

Dots should be plotted along the line



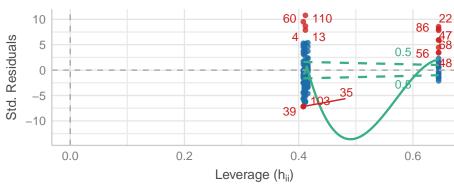
#### Linearity

Reference line should be flat and horizontal

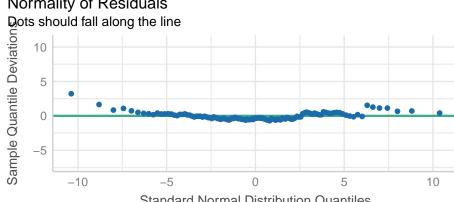


#### Influential Observations

Points should be inside the contour lines



#### Normality of Residuals



Standard Normal Distribution Quantiles