## Posterior Predictive Check Model-predicted lines should resemble observed data line 0.04 0.03 Density 0.02 0.01 0.00 50 100 log1p(labs\_hdl) Observed data — Model-predicted data Homogeneity of Variance Reference line should be flat and horizontal √|Std. residuals| 1.0 0.5 0.0 3.50 4.50 3.75 4.00 4.25 Fitted values

## Influential Observations Points should be inside the contour lines Service of the contour lines of the contour li

4.00

Fitted values

4.25

4.50

Linearity

0.2

0.1

0.0

-0.1

-0.2

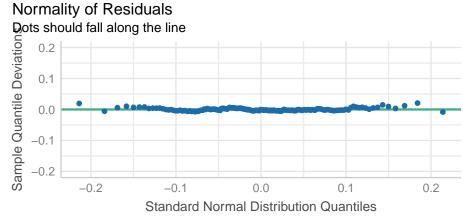
3.50

Residuals

Reference line should be flat and horizontal

3.75

## Collinearity High collinearity (VIF) may inflate parameter uncertainty Low (< 5)



Dots should be plotted along the line

0.50
0.25
0.00
-0.25
-0.50

Theoretical Quantiles

Normality of Random Effects (record\_id)