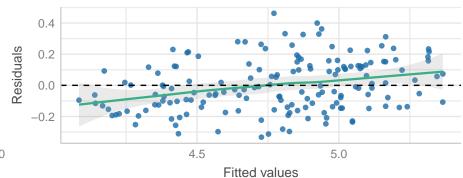
## Posterior Predictive Check Model-predicted lines should resemble observed data line 0.012 0.009 Density 0.006 0.003 0.000 600 log1p(labs\_triglycerides) Observed data — Model-predicted data Homogeneity of Variance Reference line should be flat and horizontal 1.5 √|Std. residuals 1.0 0.5 5.0 4.5 Fitted values Collinearity High collinearity (VIF) may inflate parameter uncertainty Variance Inflation Factor (VIF, log-scaled) 10 allocation\_group allocation\_group:visit visit Low (< 5) Normality of Random Effects (record\_id) Dots should be plotted along the line 0.5 RE Quantiles 0.0

Theoretical Quantiles

-0.5

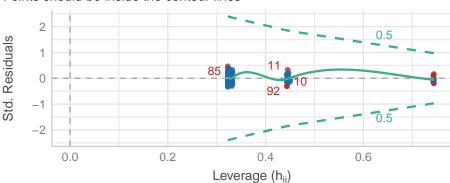
-2

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

