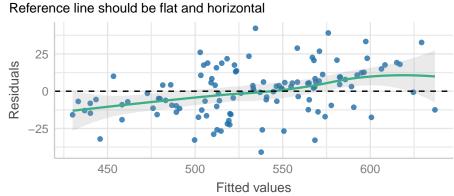
## Posterior Predictive Check Model-predicted lines should resemble observed data line 0.0075 Density 0.0050 0.0025 0.0000 500 600 700 400 resistance Observed data — Model-predicted data Homogeneity of Variance Reference line should be flat and horizontal √|Std. residuals 1.0 0.5 450 500 550 600 Fitted values Collinearity High collinearity (VIF) may inflate parameter uncertainty Variance Inflation Factor (VIF, log-scaled) 10 5 3 2 allocation\_group allocation\_group:visit visit Low (< 5) Normality of Random Effects (record\_id) Dots should be plotted along the line 100 RE Quantiles 50 0 -50

Theoretical Quantiles

-100

-2



Linearity

