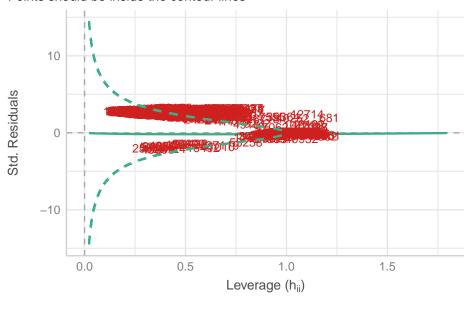
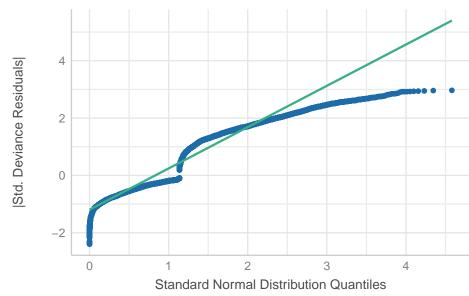
Posterior Predictive Check Model–predicted intervals should include observed data points 80000 40000 0 1 er_bin Observed data Model–predicted data

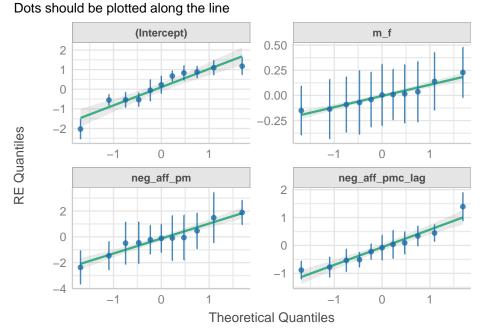
Influential Observations Points should be inside the contour lines



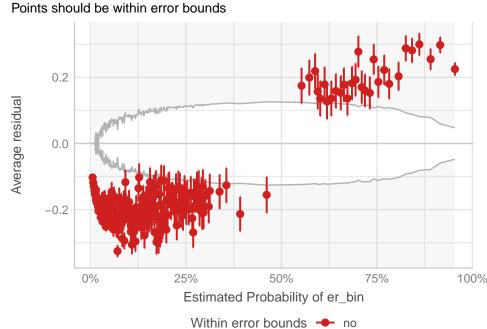
Normality of Residuals Dots should fall along the line



Normality of Random Effects (study)

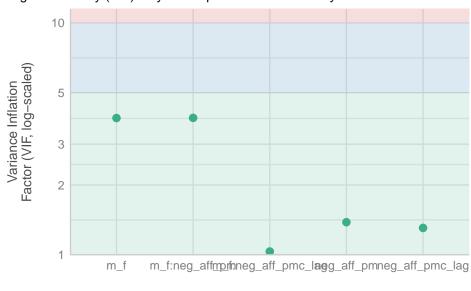


Binned Residuals



Collinearity

High collinearity (VIF) may inflate parameter uncertainty



Normality of Random Effects (ppID)

Dots should be plotted along the line (Intercept) neg_aff_pm neg_aff_pmc_lag 5.0 5.0 2.5 RE Quantiles 2.5 0 0.0 0.0 -5.0-5.0 -2 0 2 0 -2 0 **Theoretical Quantiles**

Low (< 5)