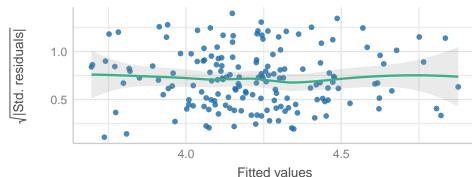
Model-predicted lines should resemble observed data line 0.02 Density 0.01 0.00 80 120 160 log1p(labs_alkp) Observed data — Model-predicted data

Homogeneity of Variance

Posterior Predictive Check

Reference line should be flat and horizontal



Collinearity

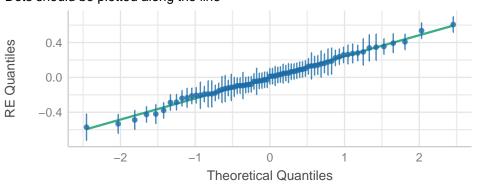
High collinearity (VIF) may inflate parameter uncertainty



Low (< 5)

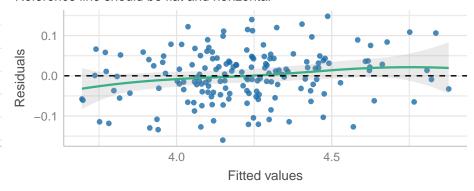
Normality of Random Effects (record_id)

Dots should be plotted along the line



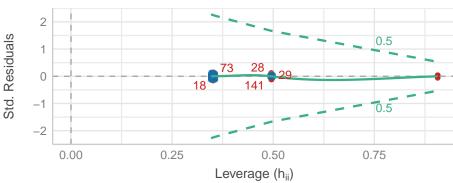
Linearity

Reference line should be flat and horizontal

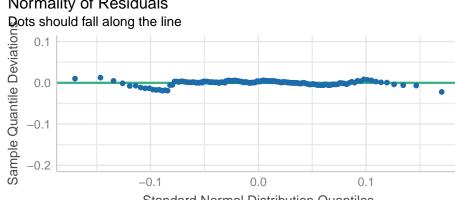


Influential Observations

Points should be inside the contour lines



Normality of Residuals



Standard Normal Distribution Quantiles