

Appendix Table A3. Characteristics of Generalized Linear Mixed Models (GLMM).

	Model Name	Model Specification	AIC	BIC	QE (df, P-value)	I^2
TBI Only (75 studies)	Full	$\text{logit}(P) = s(\text{time since TBI}) + r(\text{study ID}) + f(\text{ROB}) + f(\text{target}) + f(\text{design}) + f(\text{testing})$	387.13	416.74	1745.68 (109, <.001)	96.1
	Significant Moderators	$\text{logit}(P) = s(\text{time since TBI}) + r(\text{study ID}) + f(\text{target}) + f(\text{design})$	390.7	412.22	1801.01 (112, <.001)	96.6
	Linear Spline	$\text{logit}(P) = s(\text{time since TBI}) + r(\text{study ID})$	422.07	433.09	2347.21 (116, <.001)	97.1
TBI vs Control (14 studies)	Different Time Slopes	$\text{logit}(P) = f(\text{time since TBI}) + r(\text{study ID}) + f(\text{TBI}) + f(\text{TBI} \times \text{time})$	203.0	211.1	333.5	89.6
	Time Slope for TBI and Time Constant for Control	$\text{logit}(P) = f(\text{time since TBI}) + r(\text{study ID}) + f(\text{TBI} \times \text{time})$	202.6	209.6	333.5	89.5

P = Prevalence; s = linear spline; r = random effect; f : fixed effect; AIC = Akaike's information criterion; BIC = Bayesian information criterion; QE = True variability in the effect size; df = degree of freedom, I^2 = Higgins'