



treatment A	• treatment C	◦ FE	◊ ME
treatment B	• treatment D	△ FE Bayes Rep	▽ ME Bayes Rep
		+ FE Bayes URep1	■ ME Bayes URep1
		× FE Bayes URep2	* ME Bayes URep2

Fig. SM 10 Mean squared error in each treatment (A-D) coefficient for all scenarios, when using a fixed and mixed effects model

using frequentist and Bayesian approaches for sample sizes ranging  $N = 500-5,000$ .