

## Supplementary Materials - Simulation study: relative errors on parameter estimation

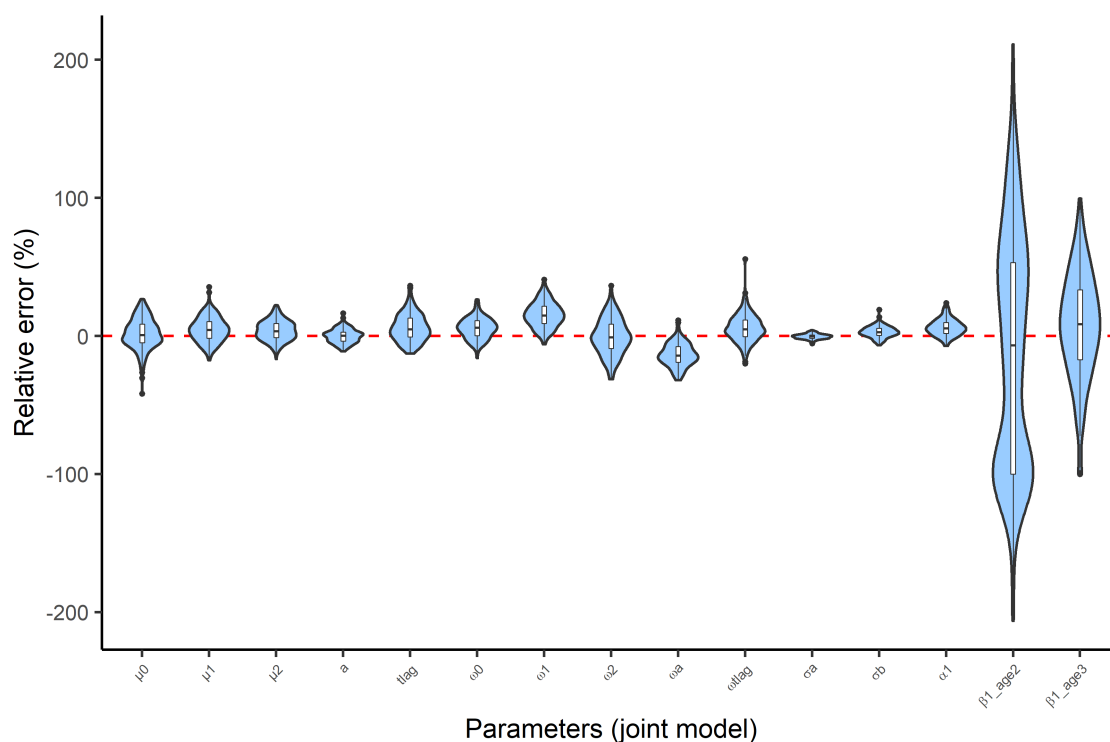


Figure S2 A: Distribution of relative errors of parameter estimates of the joint model (%)

The violin plots demonstrate good properties of estimators, in particular for the coefficient which links the longitudinal process and the survival process. All longitudinal parameters are accurate and precisely estimated too. However, the variability on parameters associated with baseline covariate is high, although the bias is closed to zero.

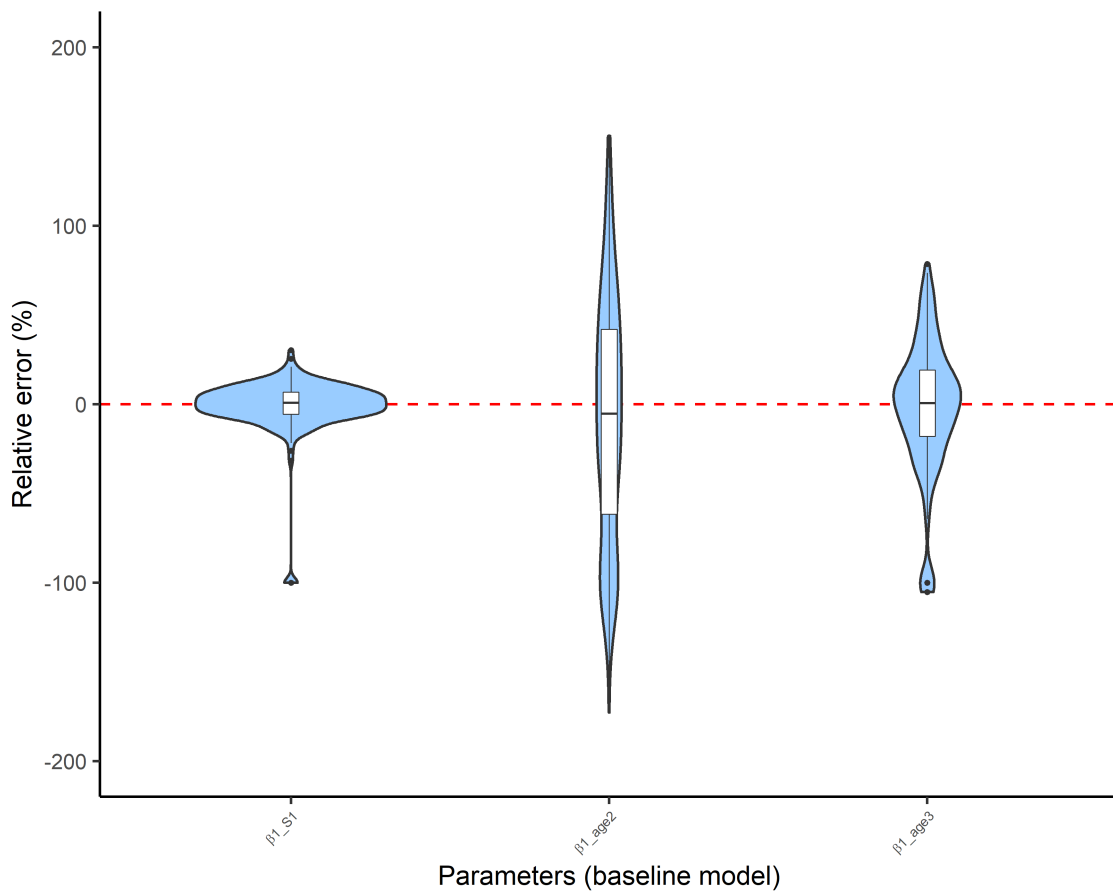


Figure S2 B: Distribution of relative errors of parameter estimates of the baseline model (%)