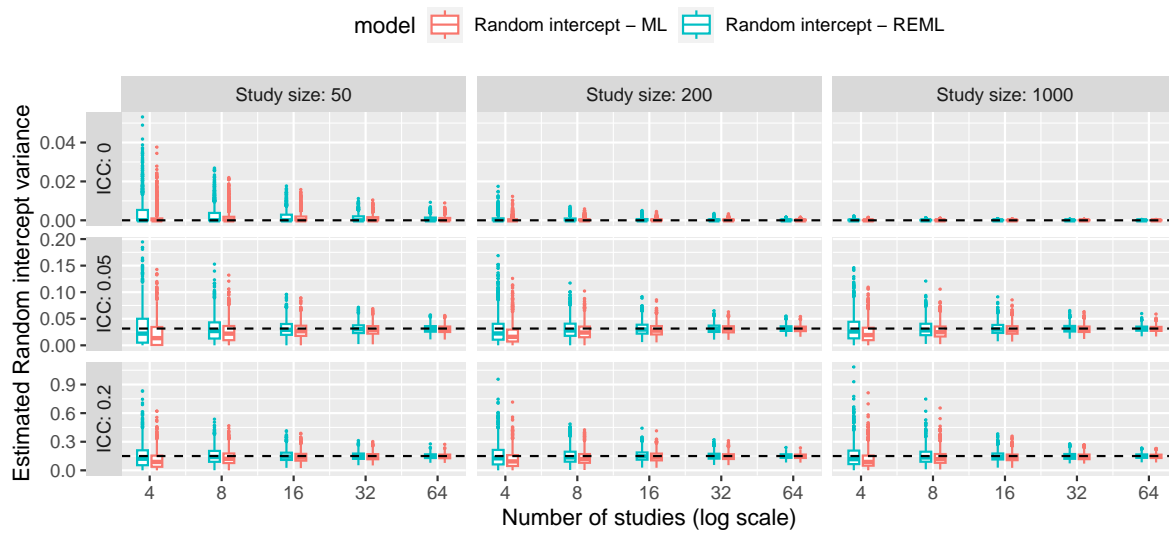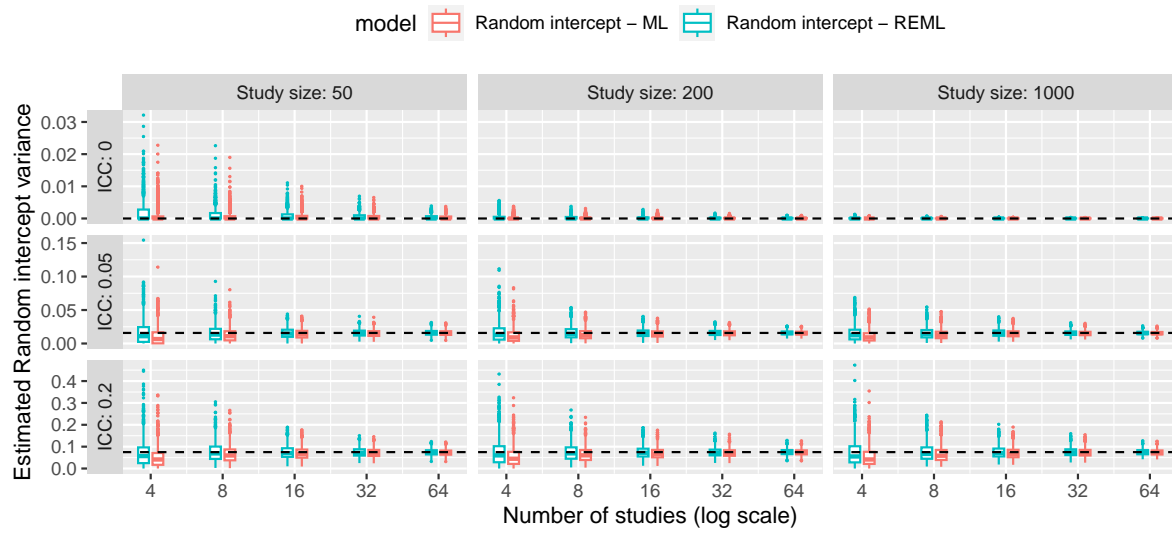# Prediction with new data for intercept - Supplementary material

Random intercept variance

Random intercept variance: R−sqaured = 0.4

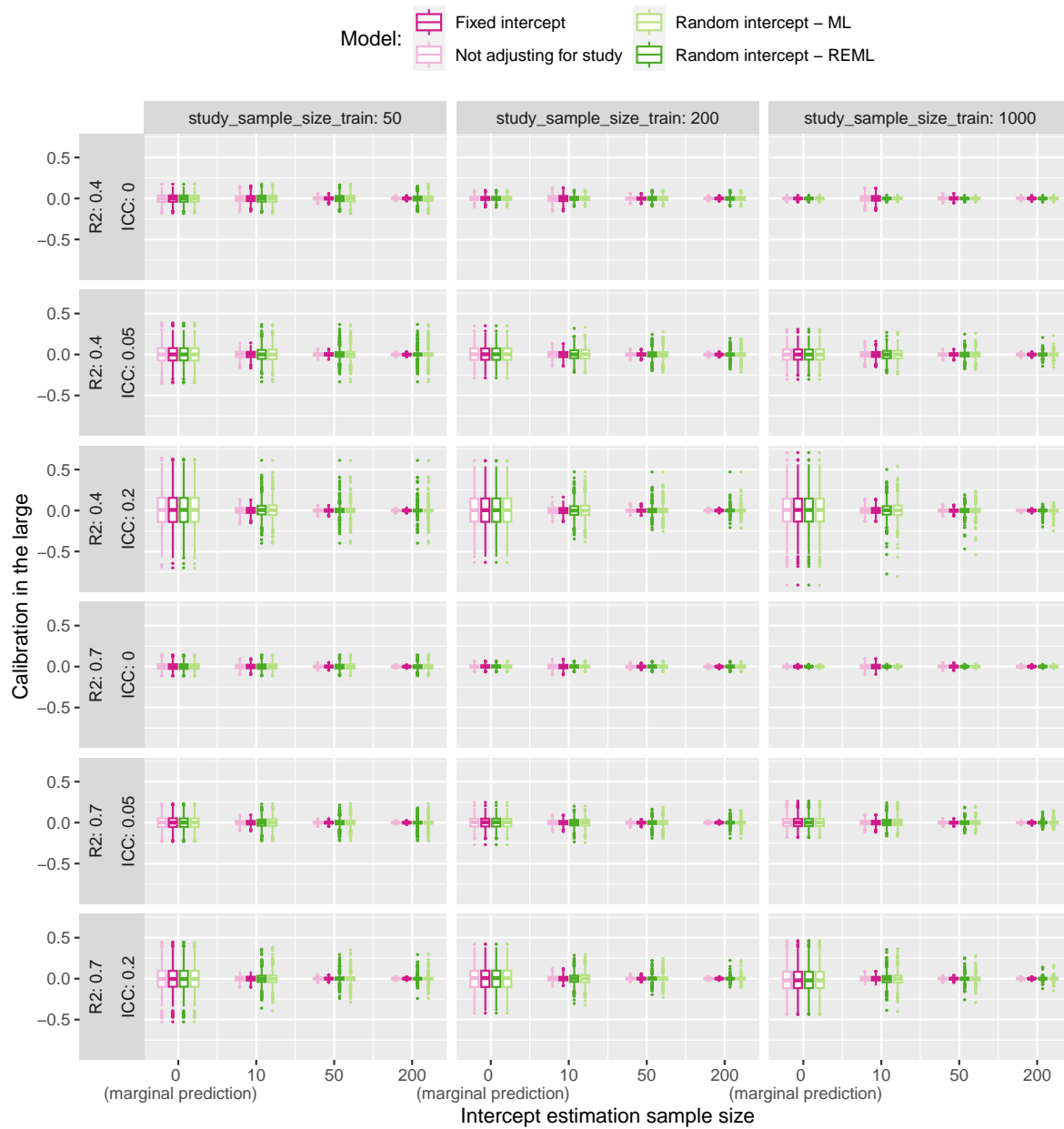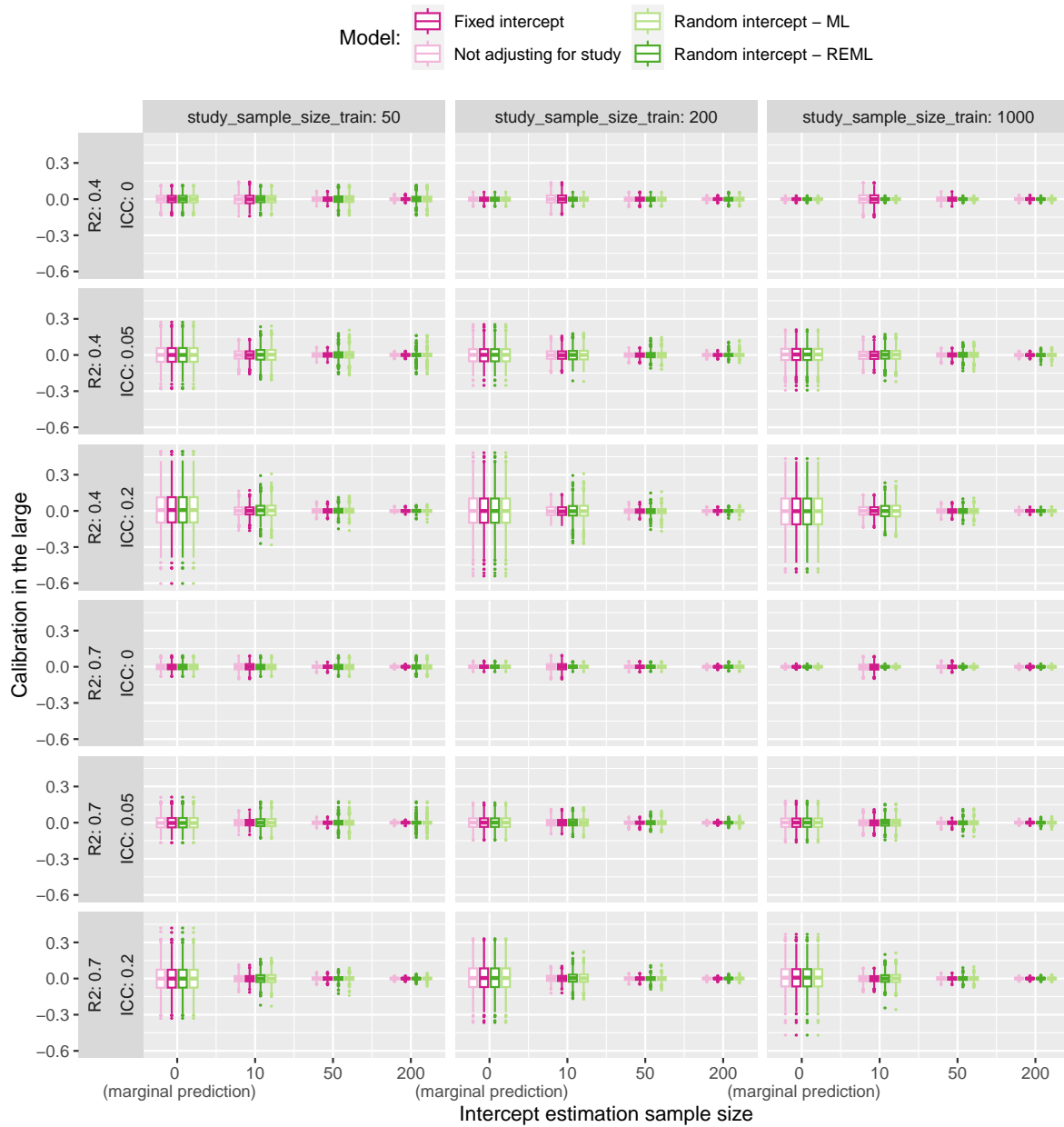Random intercept variance: R-sqaured = 0.7

model □ Random intercept – ML □ Random intercept – REML

Number of studies (log scale)

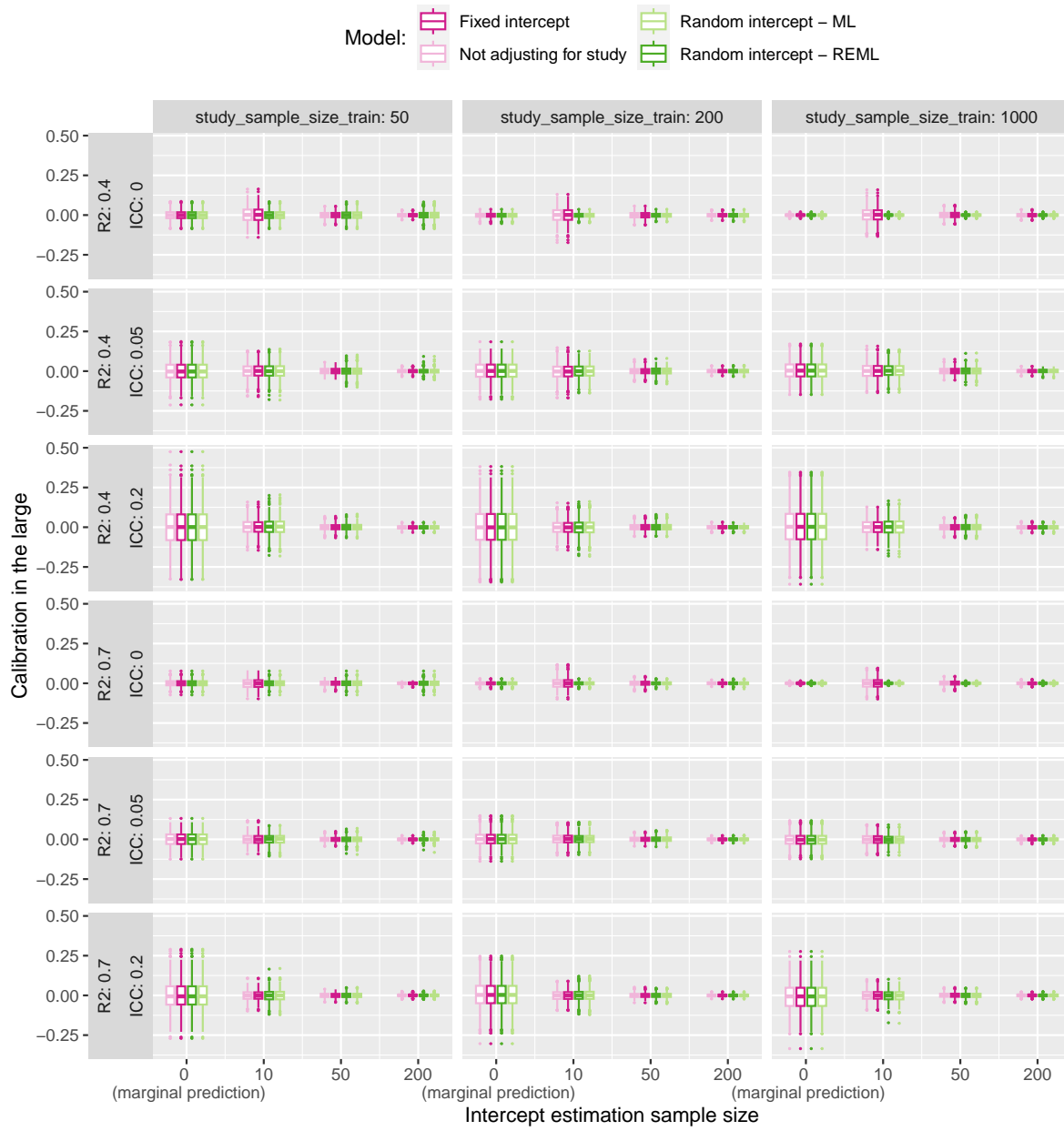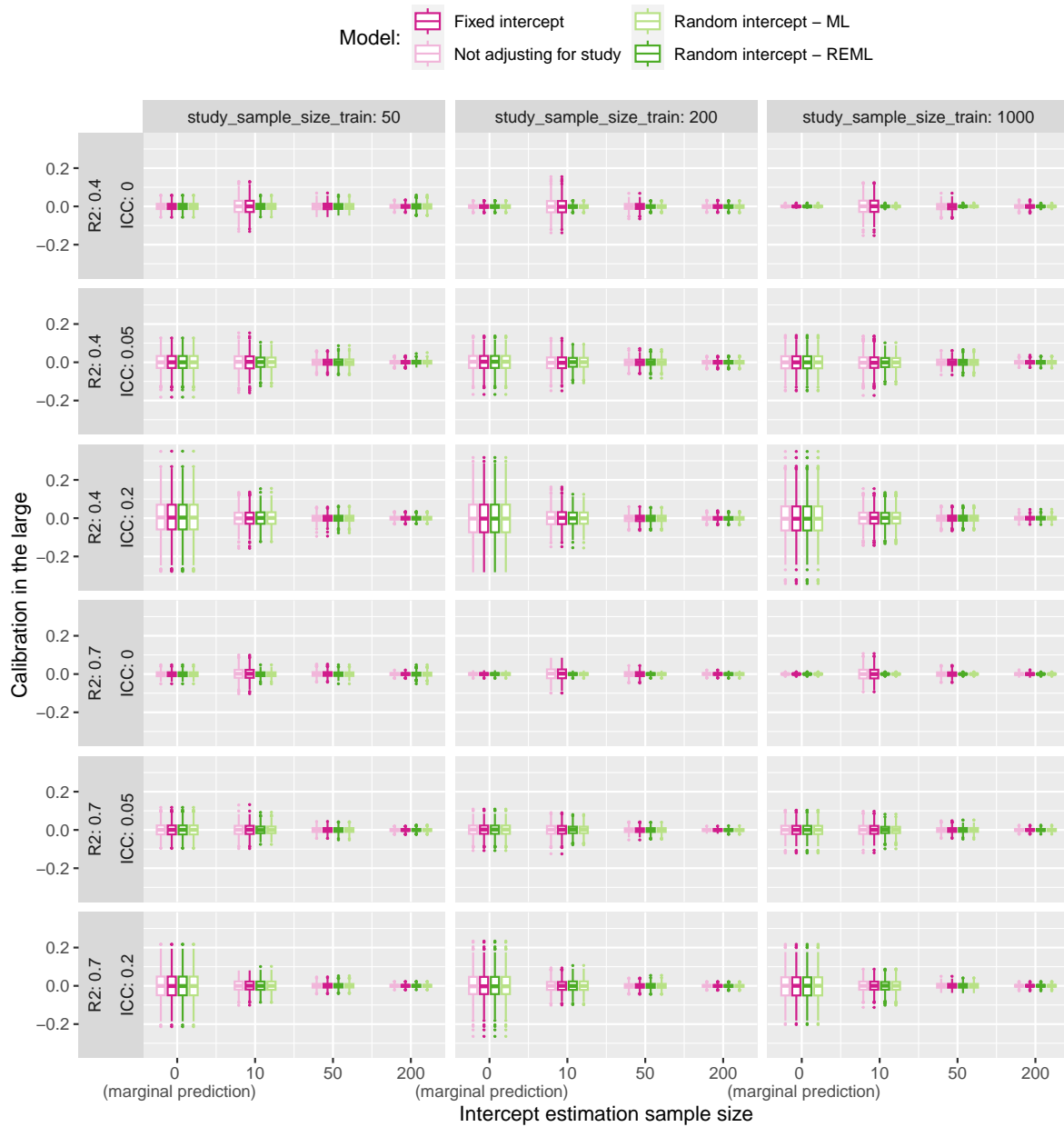# Calibration in the large

Estimates

Calibration in the large
Training data: 4
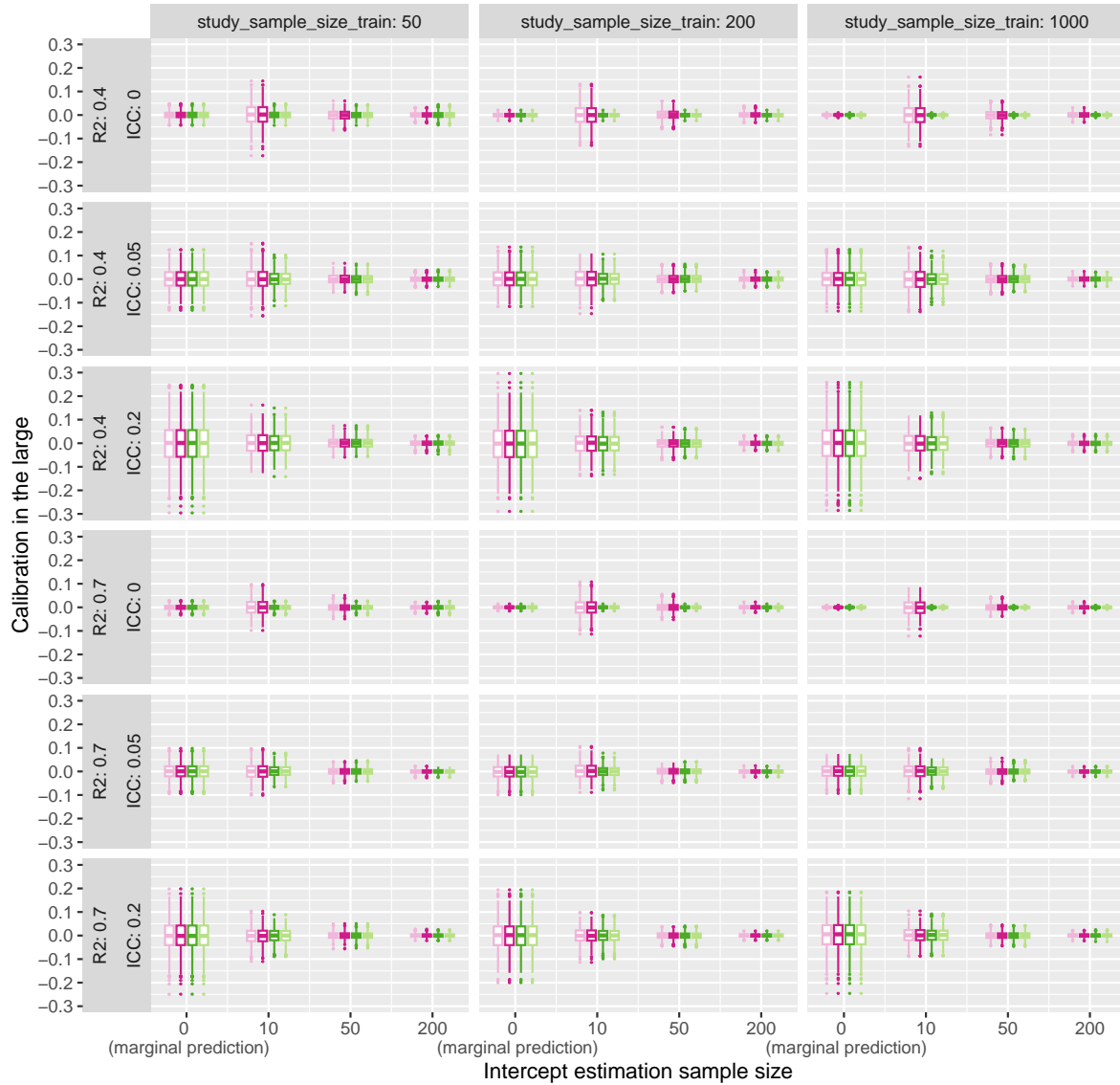
Calibration in the large

Calibration in the large
Training data: 16

Model:
- Fixed intercept
- Not adjusting for study
- Random intercept – ML
- Random intercept – REML

Calibration in the large
Training data: 32

Model:
- Fixed intercept
- Not adjusting for study
- Random intercept – ML
- Random intercept – REML

Calibration in the large

Intercept estimation sample size

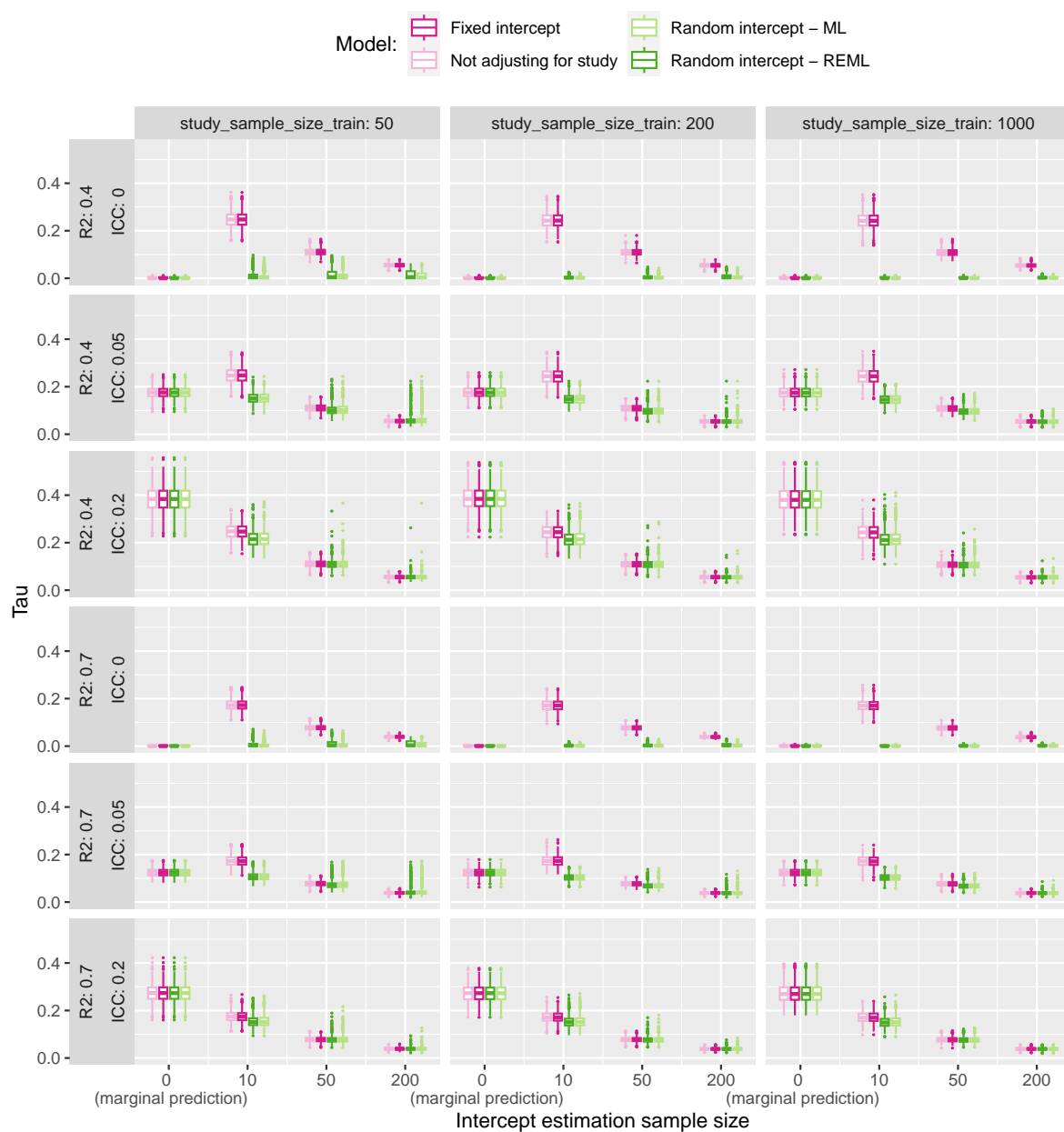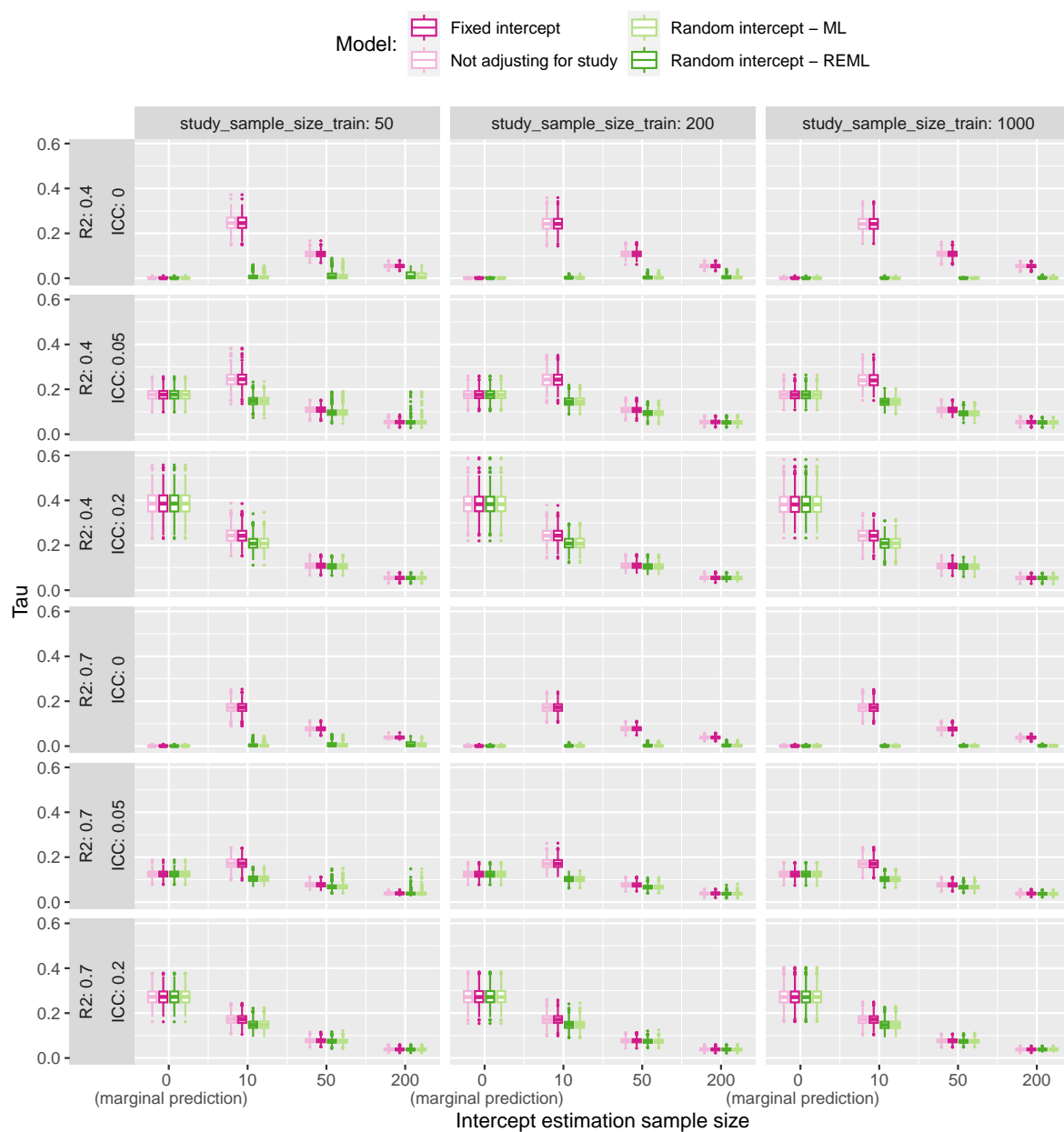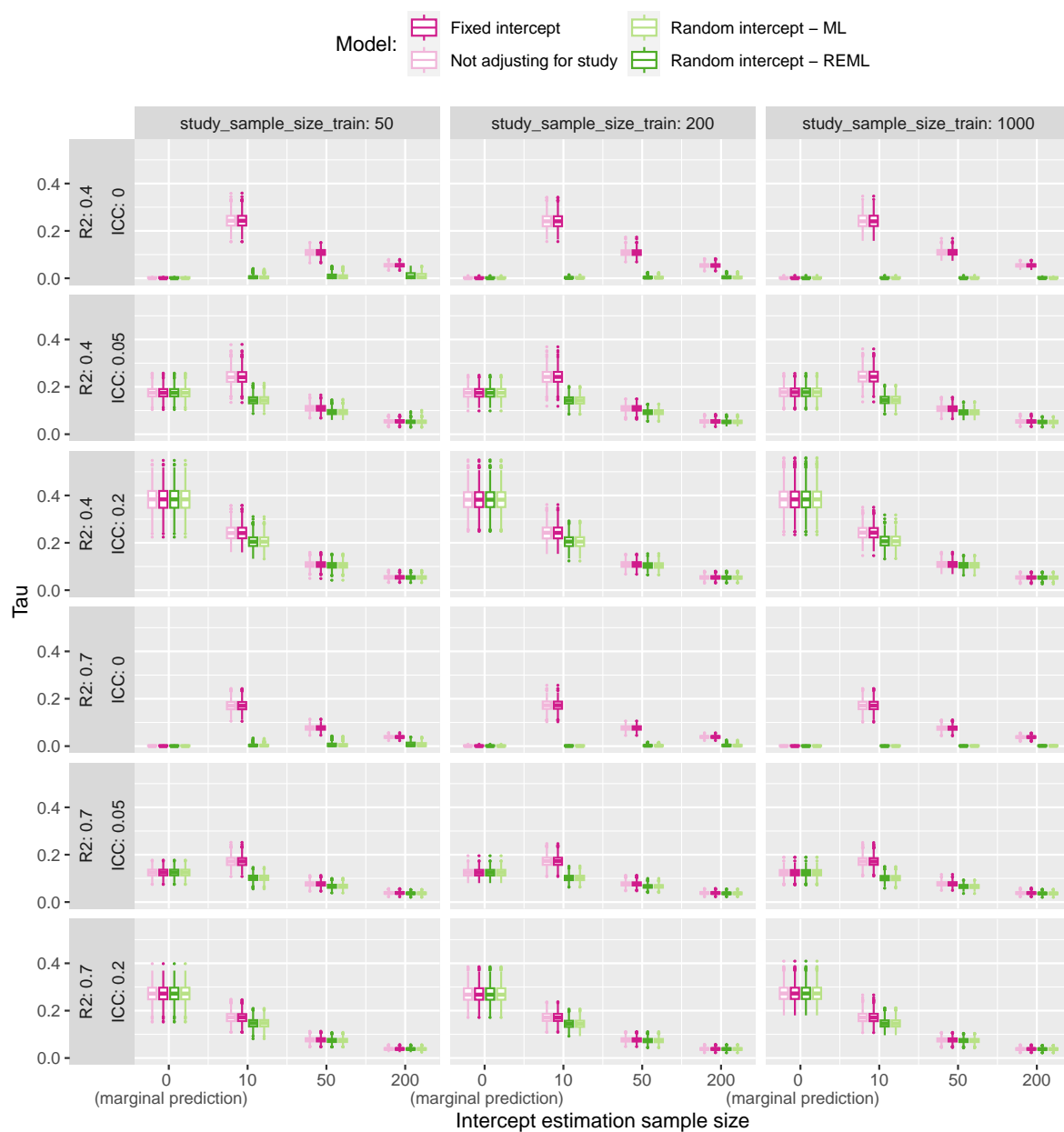# Calibration in the large

Training data: 64

Hetrogeneity

Hetrogeneity in Calibration in the large

Training data: 4 studies
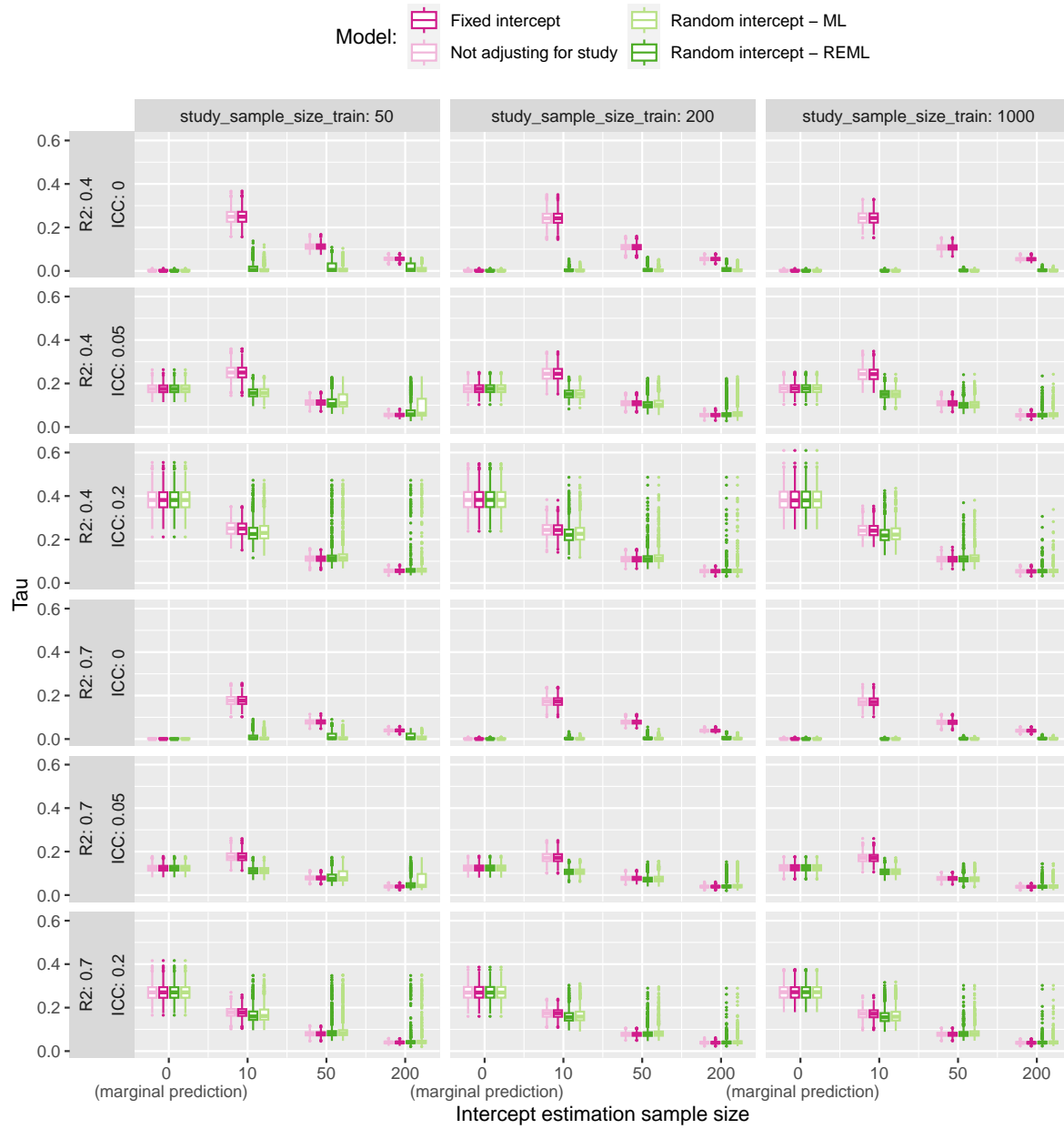
Hetrogeneity in Calibration in the large
Training data: 8 studies

Hetrogeneity in Calibration in the large

Training data: 16 studies

Model: Fixed intercept / Not adjusting for study / Random intercept – ML / Random intercept – REML

Hetrogeneity in Calibration in the large

Training data: 32 studies

Hetrogeneity in Calibration in the large
Training data: 64 studies