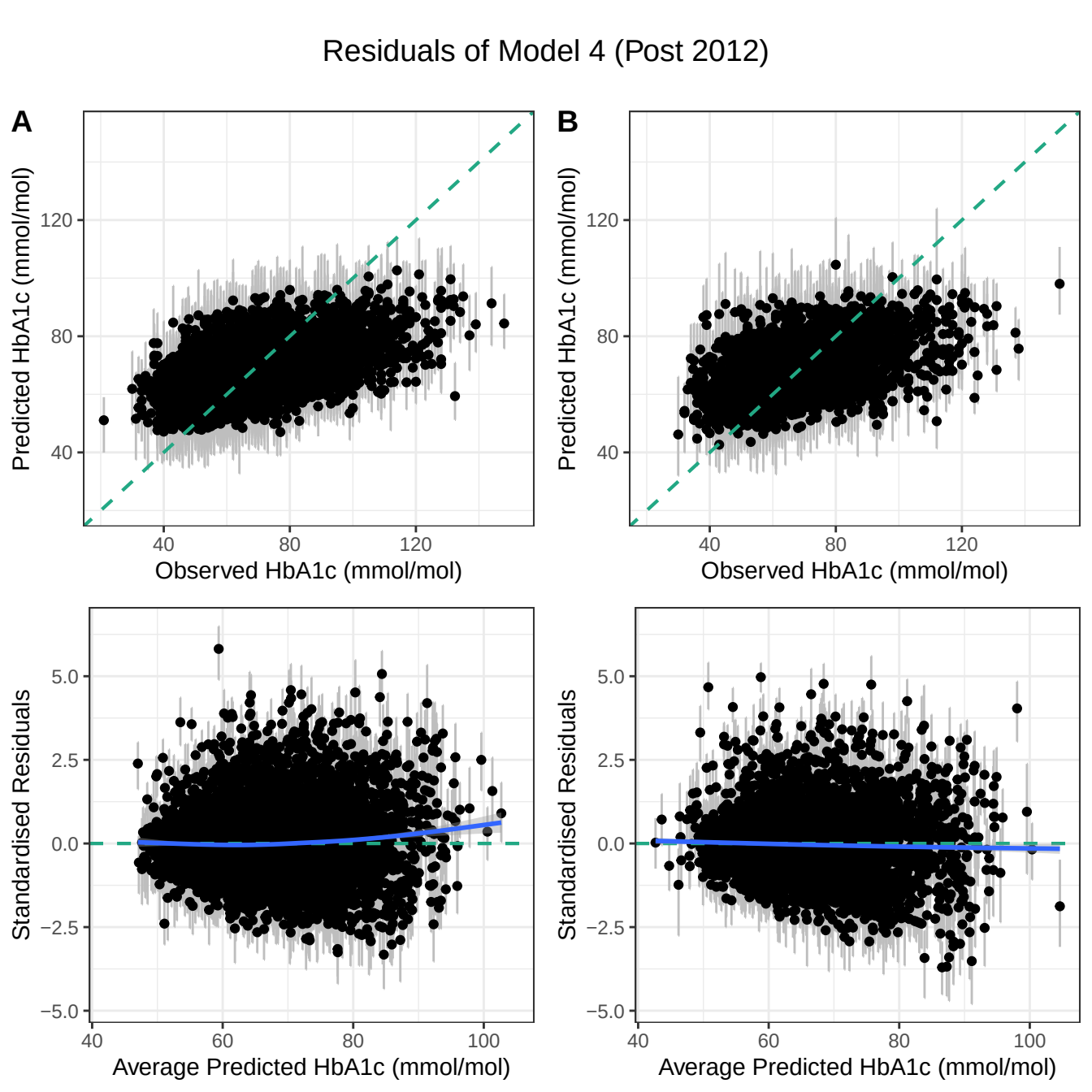
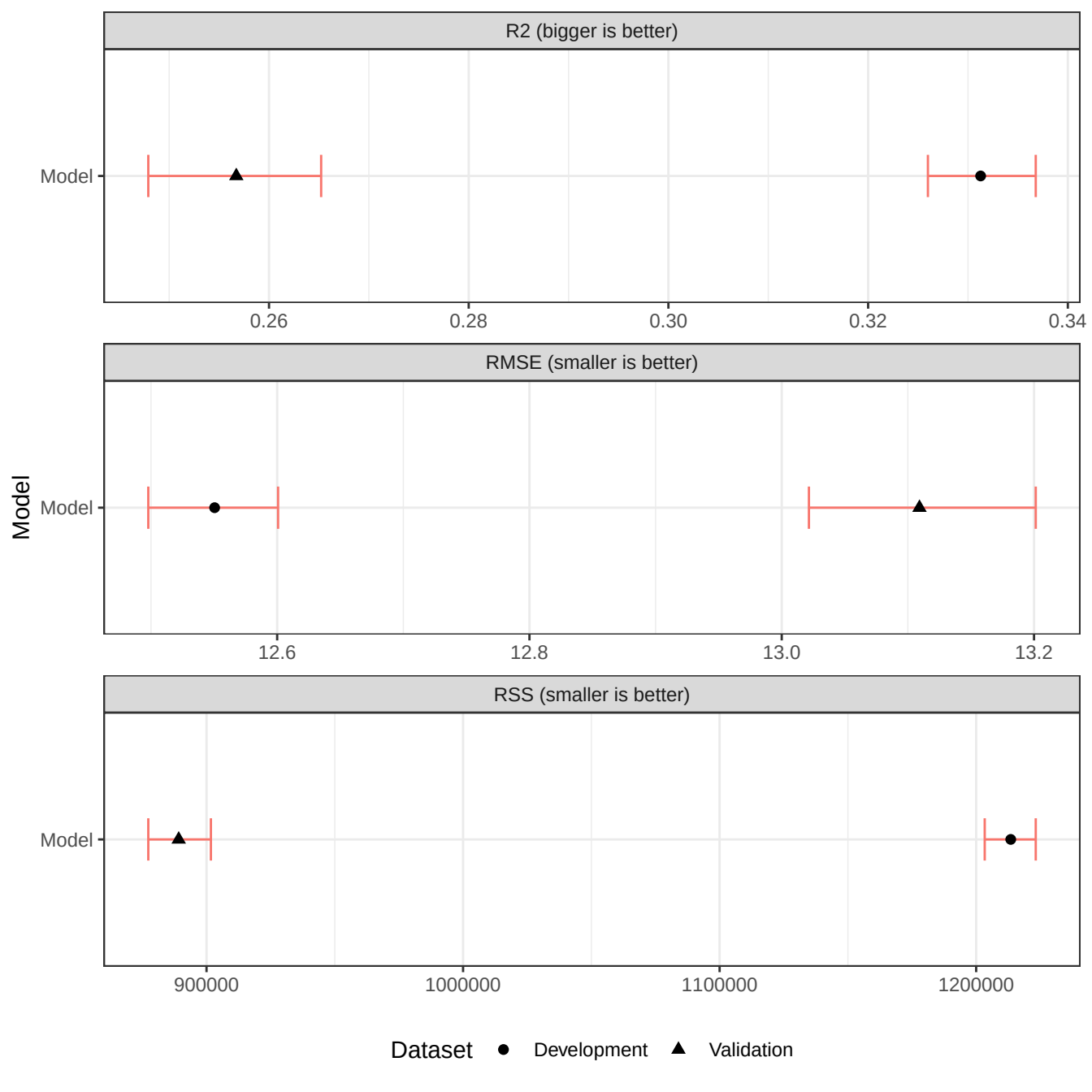
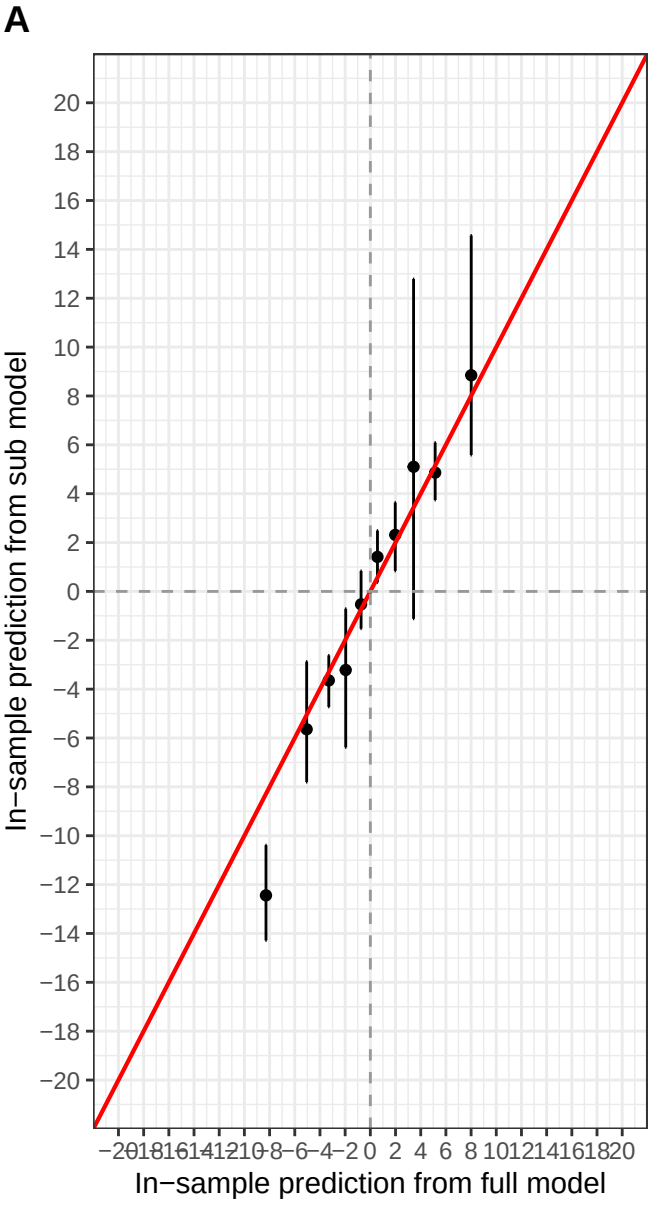
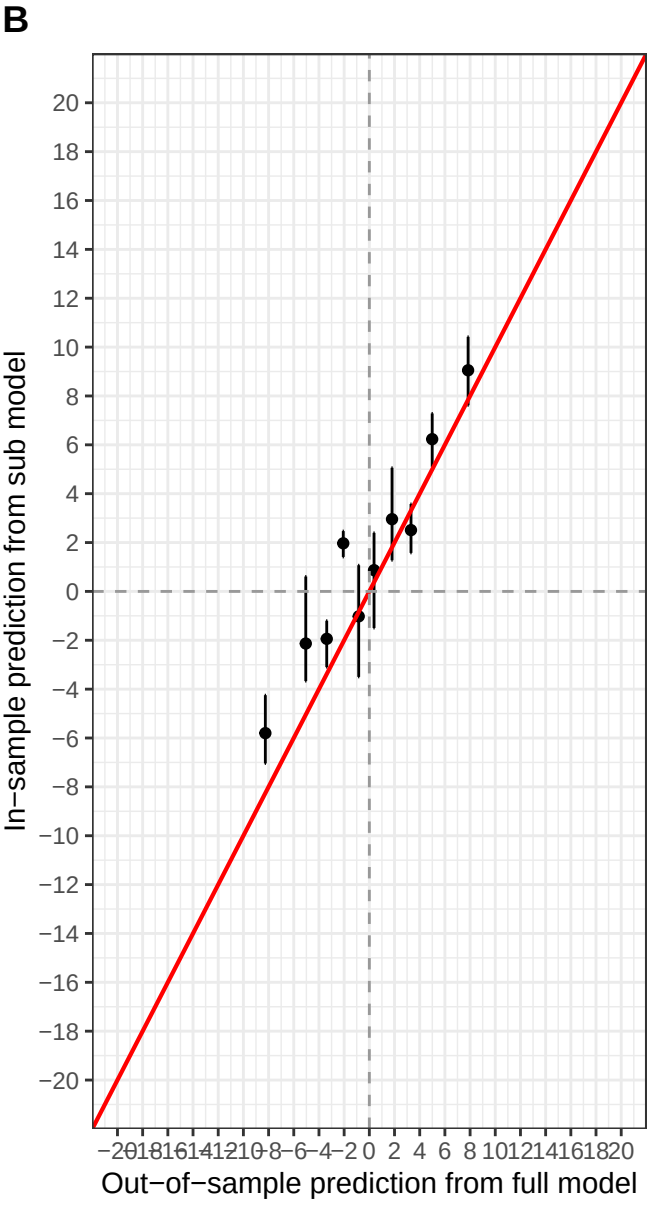
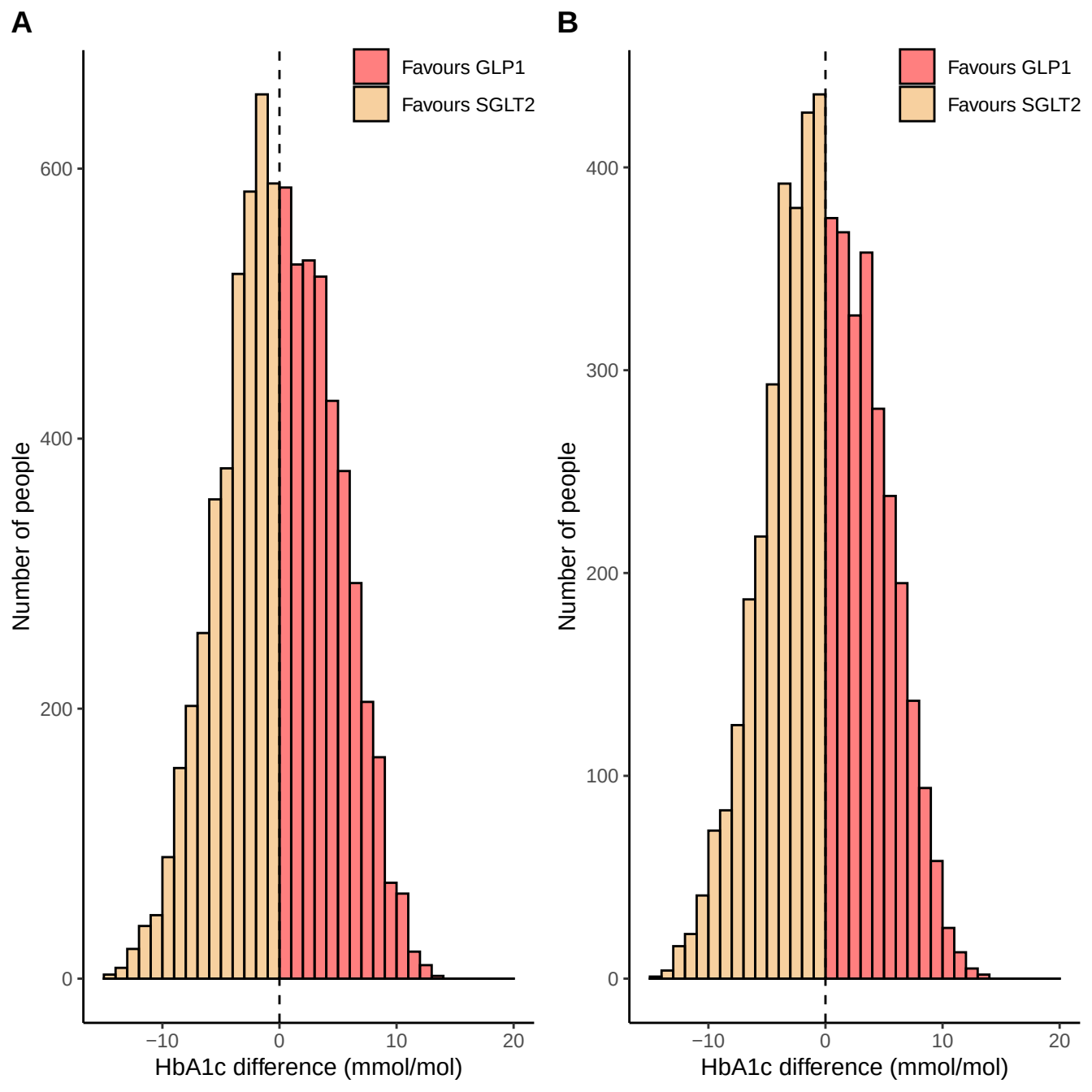

Residuals of Model 4 (Post 2012)
A
B
Predicted HbA1c (mmol/mol)
Observed HbA1c (mmol/mol)
Standardised Residuals
Average Predicted HbA1c (mmol/mol)
40
80
120
60
100
5.0
2.5
0.0
−2.5
−5.0

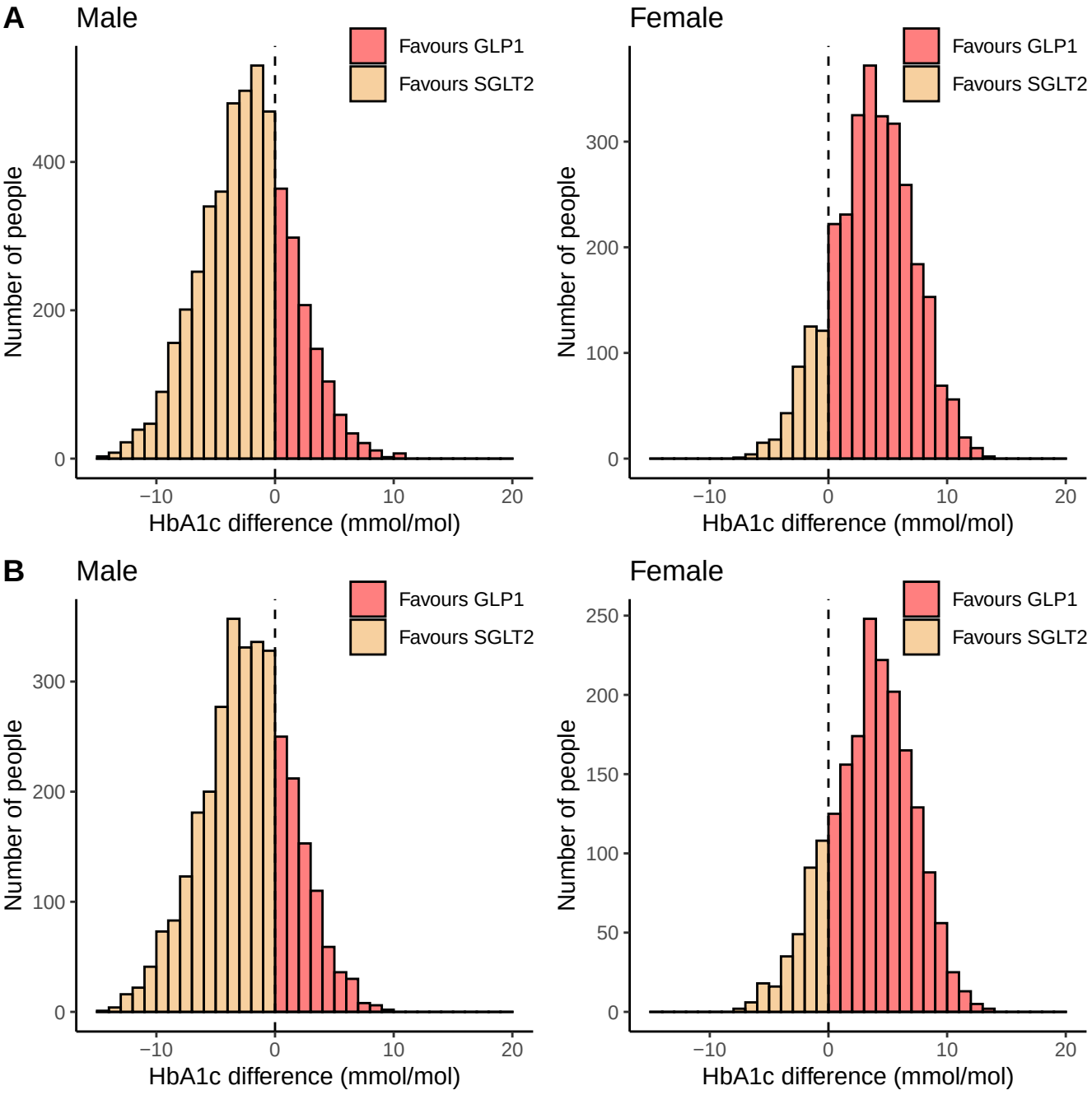

R2 (bigger is better)
Model
0.26
0.28
0.30
0.32
0.34
RMSE (smaller is better)
Model
12.6
12.8
13.0
13.2
RSS (smaller is better)
Model
900000
1000000
1100000
1200000
Model
Dataset
Development
Validation

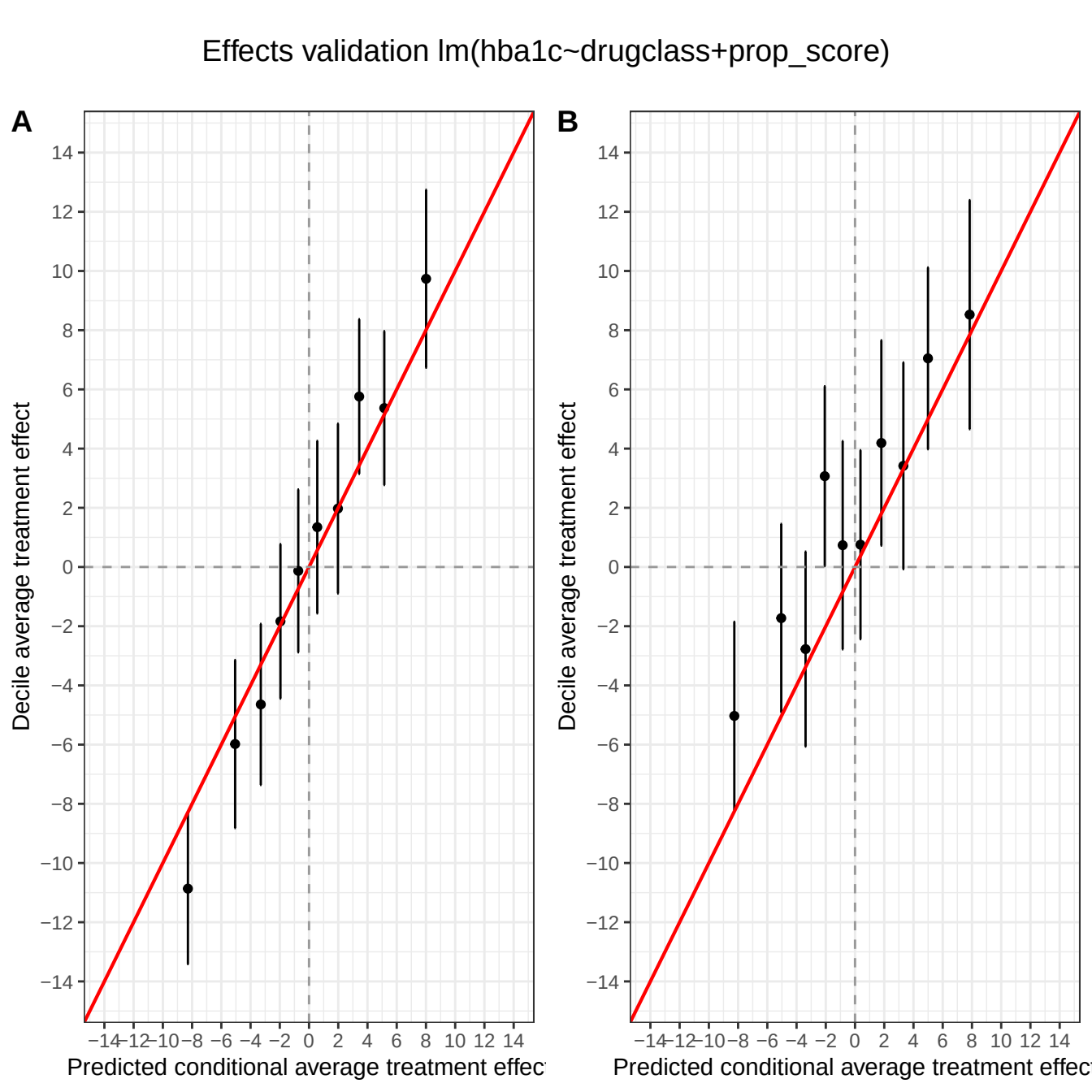
Effect submodels



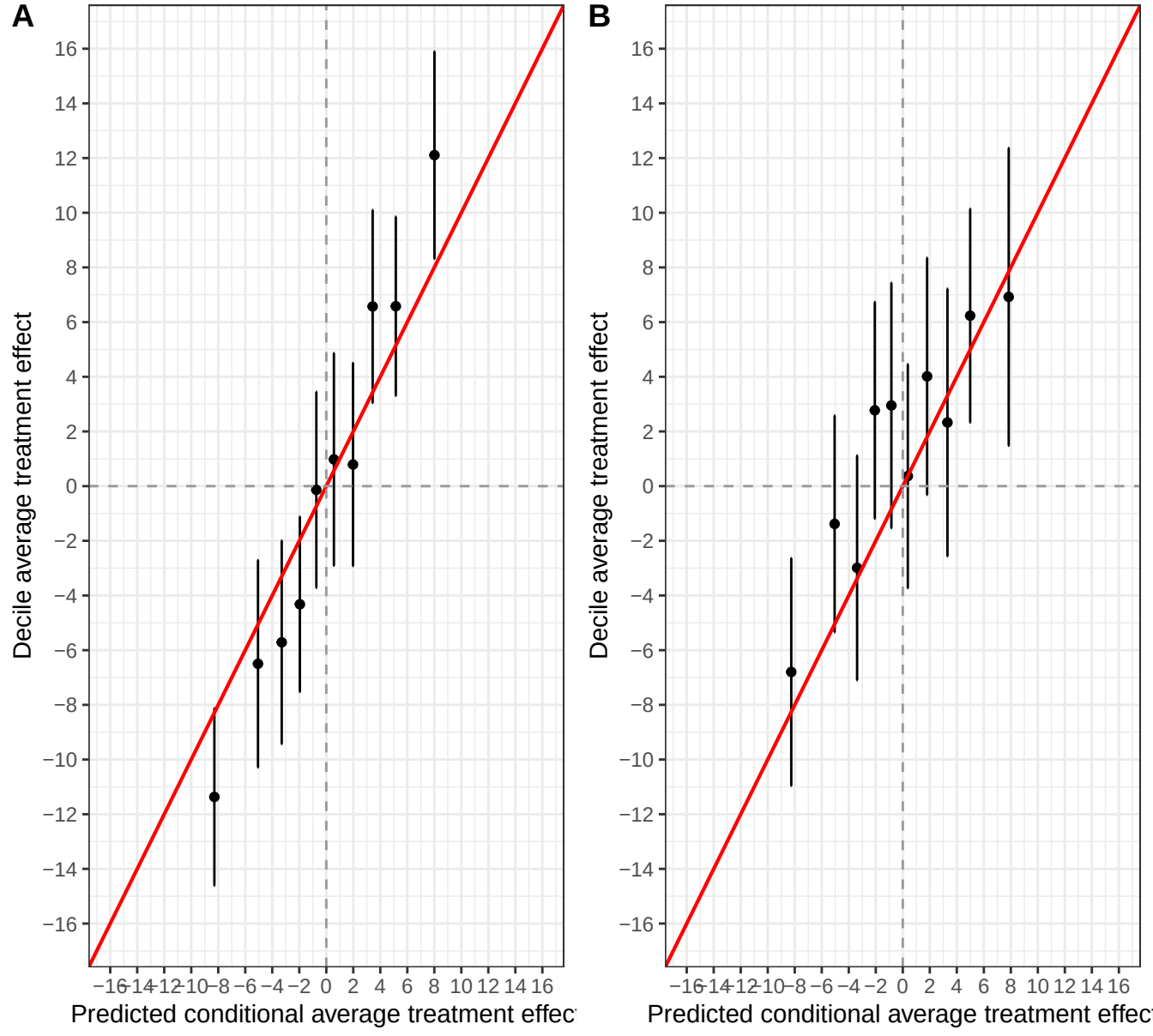
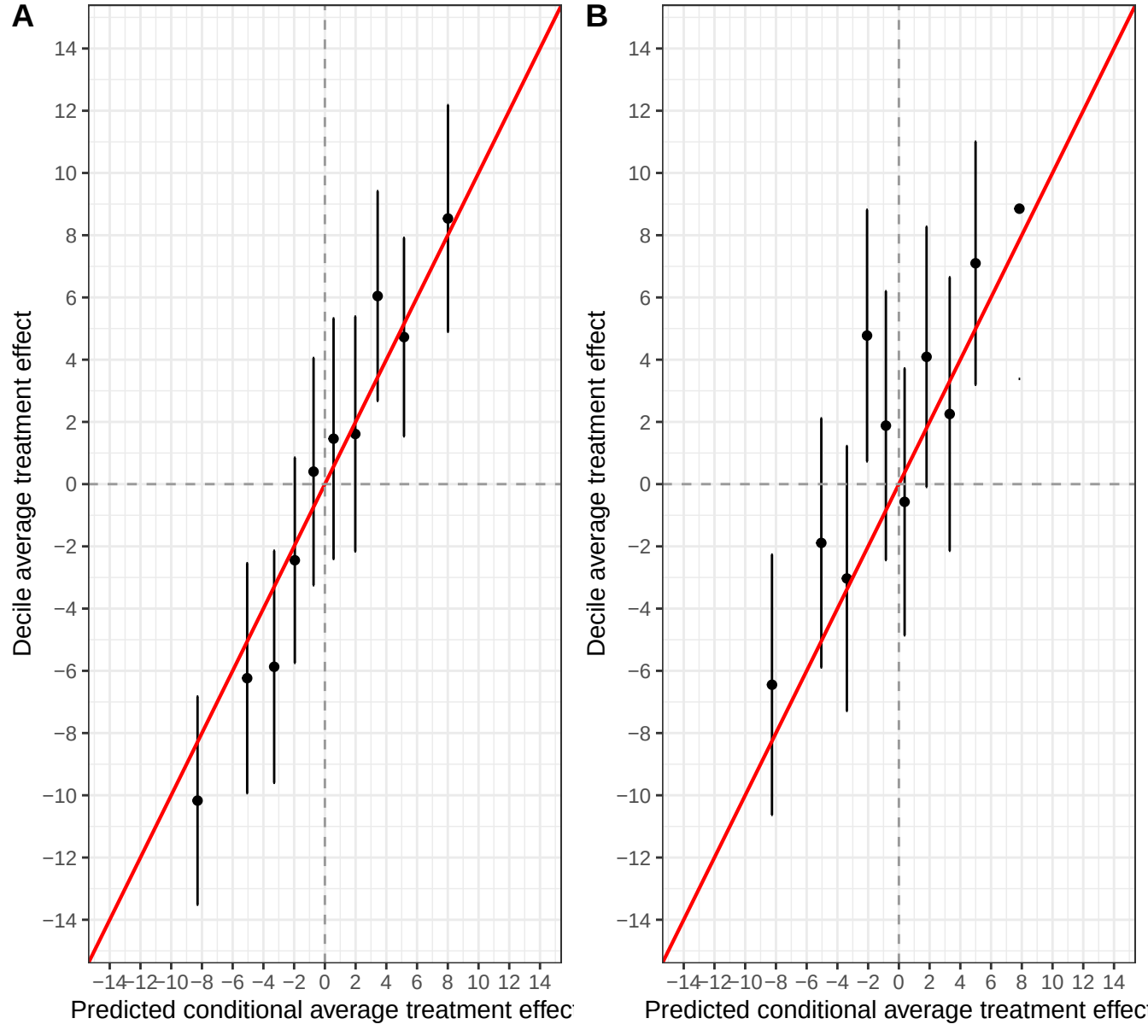



A
B
Favours GLP1
Favours SGLT2
Number of people
HbA1c difference (mmol/mol)
0
200
400
600
100
300
−10
0
10
20


A
Male
Favours GLP1
Favours SGLT2
Number of people
HbA1c difference (mmol/mol)
Female
B
Male
Female


Effects validation lm(hba1c~drugclass+prop_score)
A
B
Decile average treatment effect
Predicted conditional average treatment effec
14
12
10
8
6
4
2
0
−2
−4
−6
−8
−10
−12
−14

Effects validation prop score matching



Effects validation prop score inverse weighting