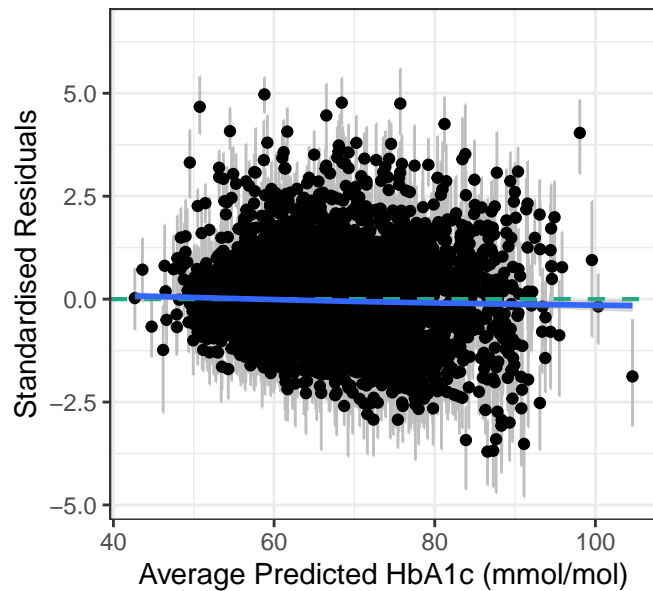
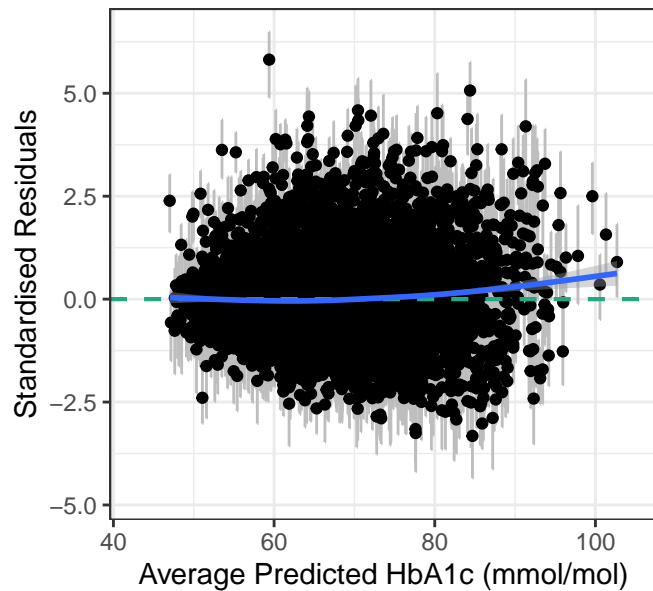
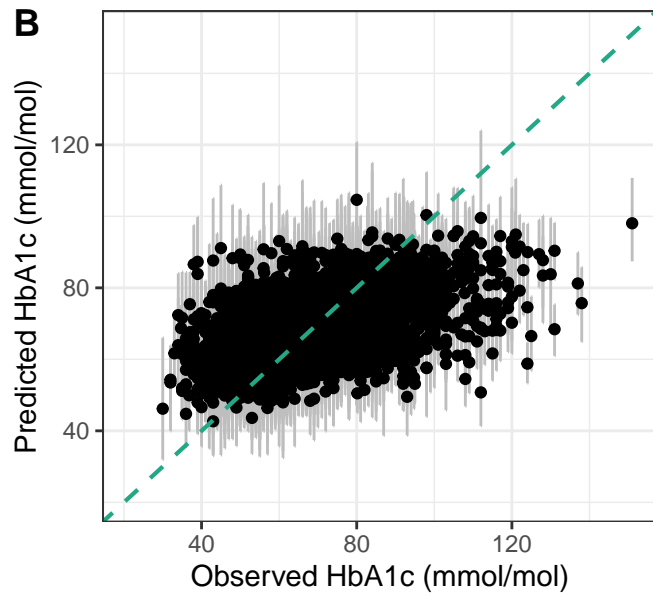
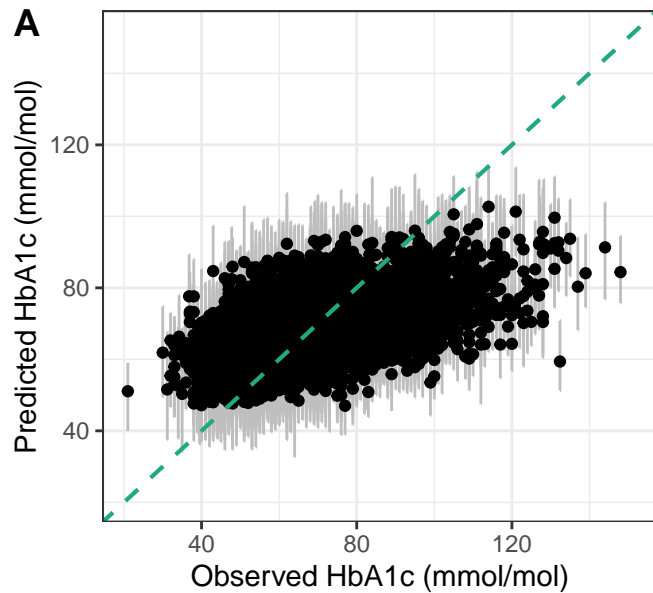
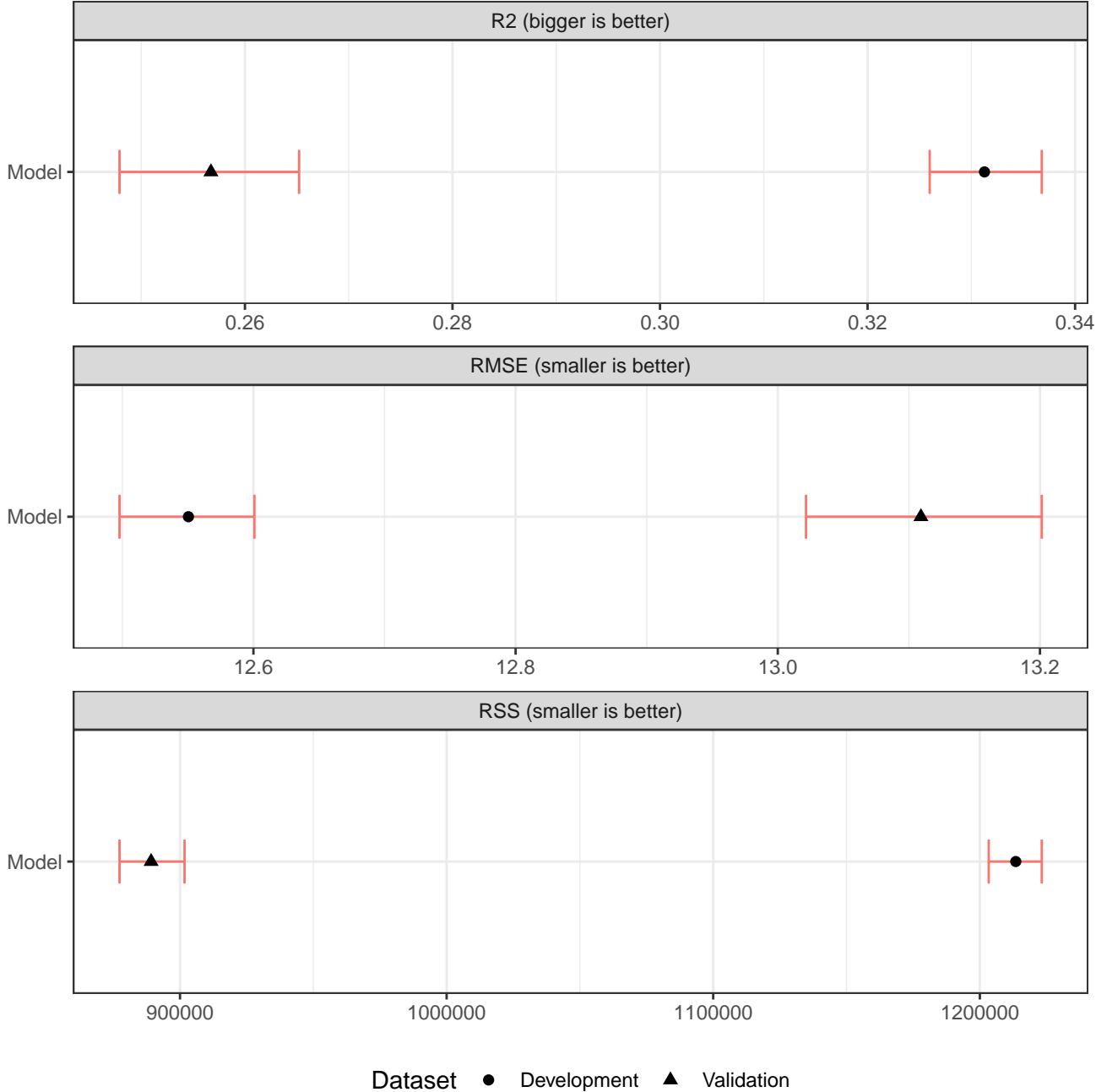
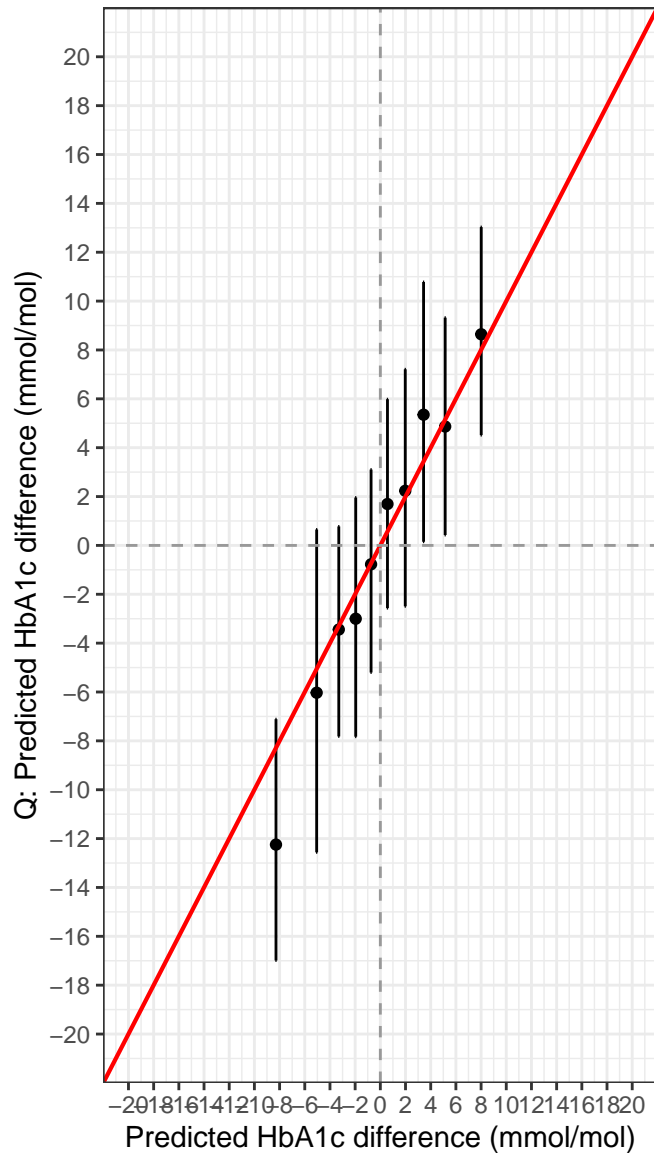
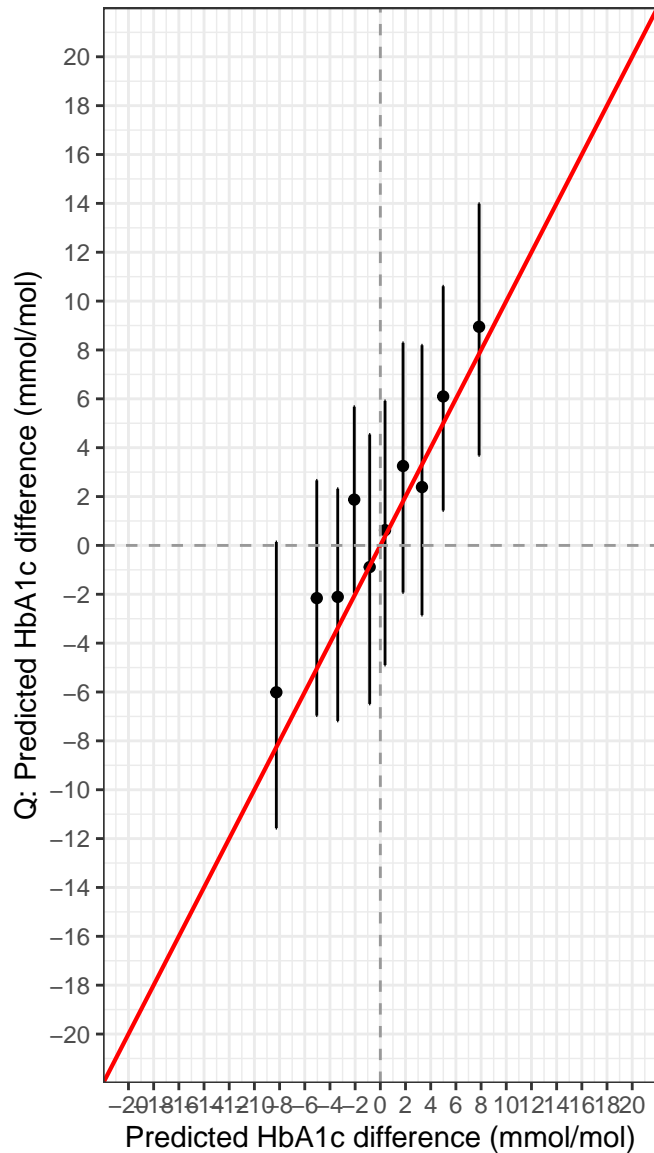


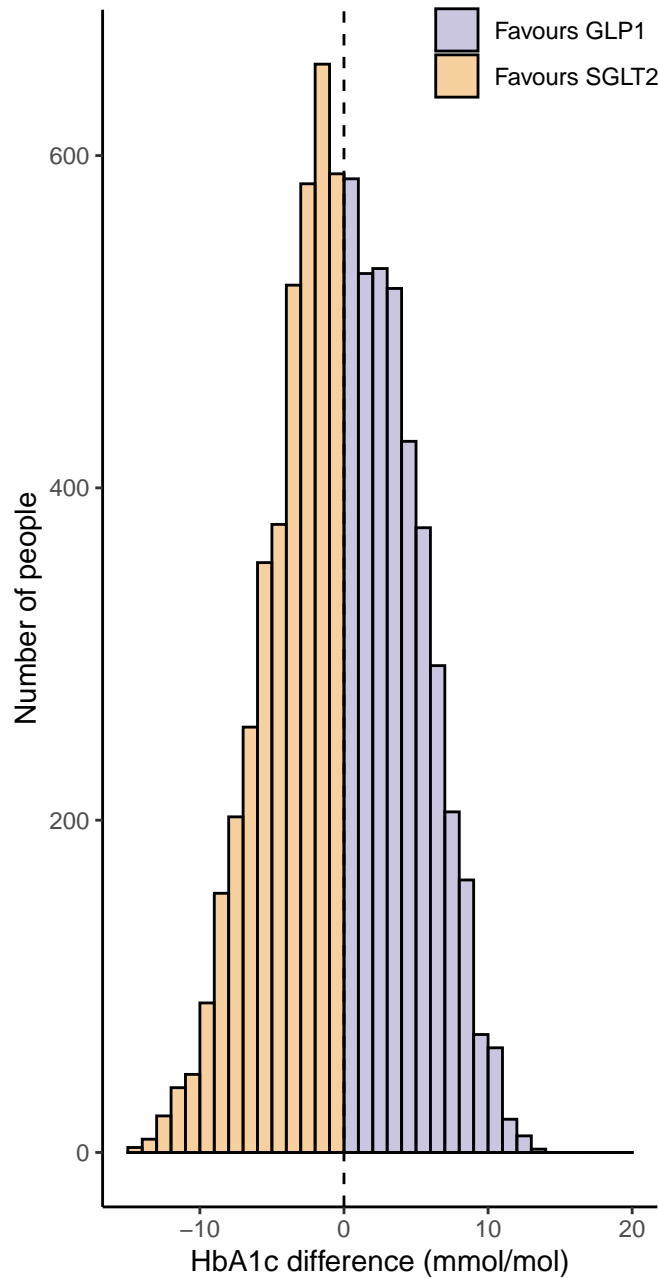
# Residuals of Model 4 (Post 2012)





# Effects Validation

**A****B**

**A****B**