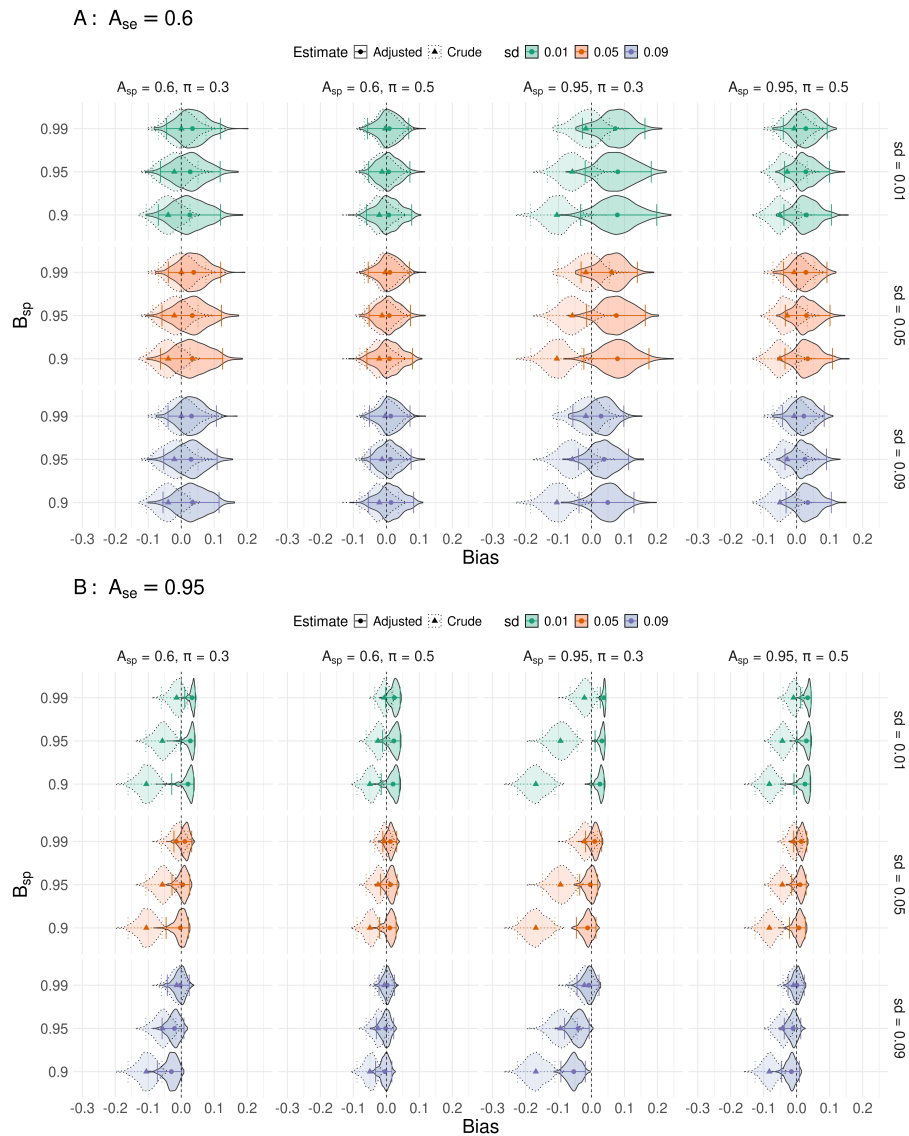
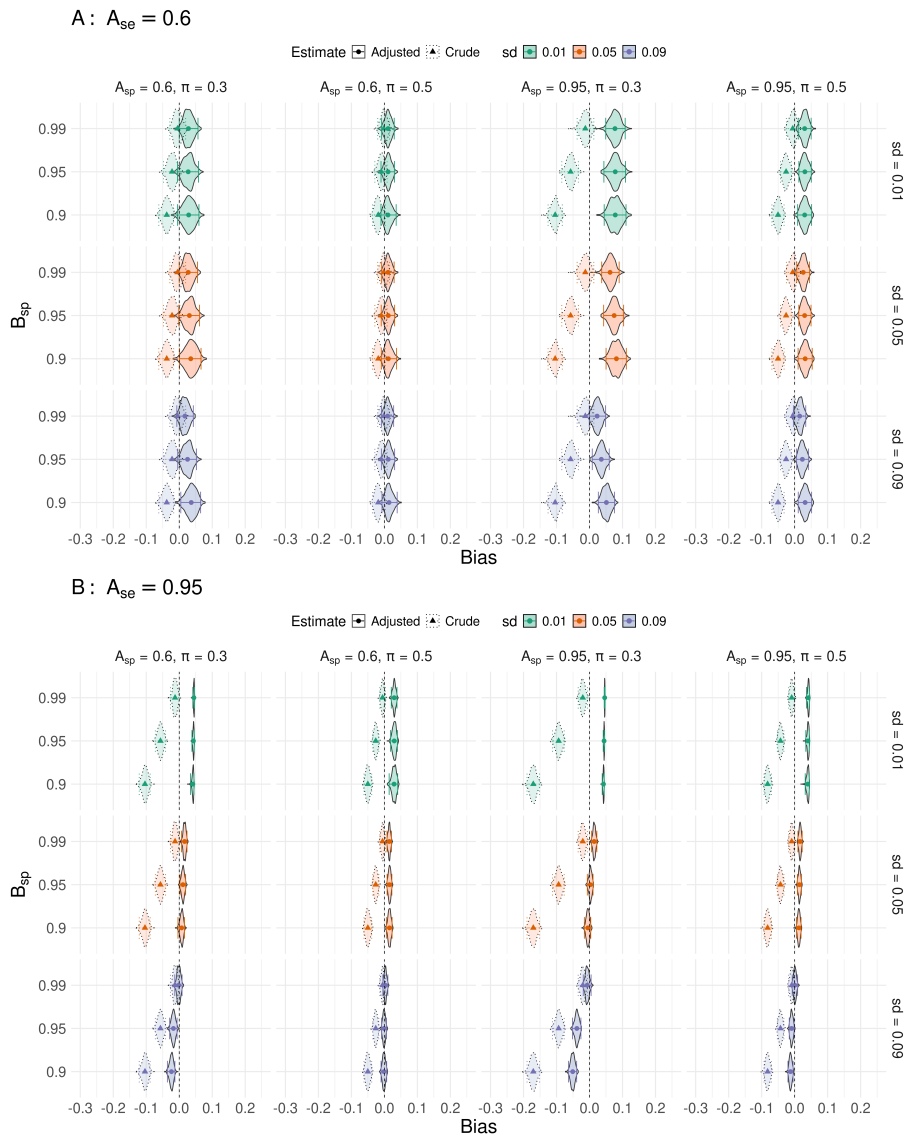


Supporting Information S4

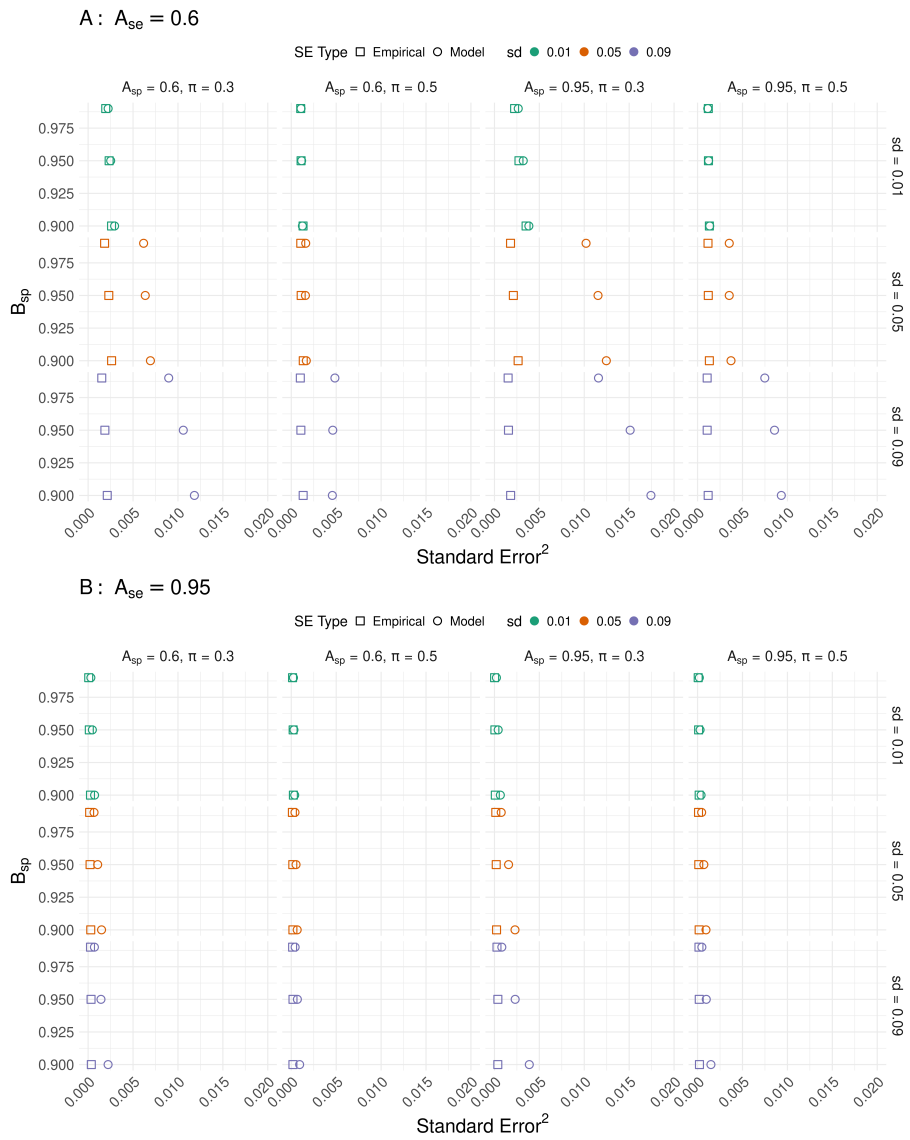
Bias and standard error plots for $n = \{500, 5000\}$, for incorrectly centred priors.



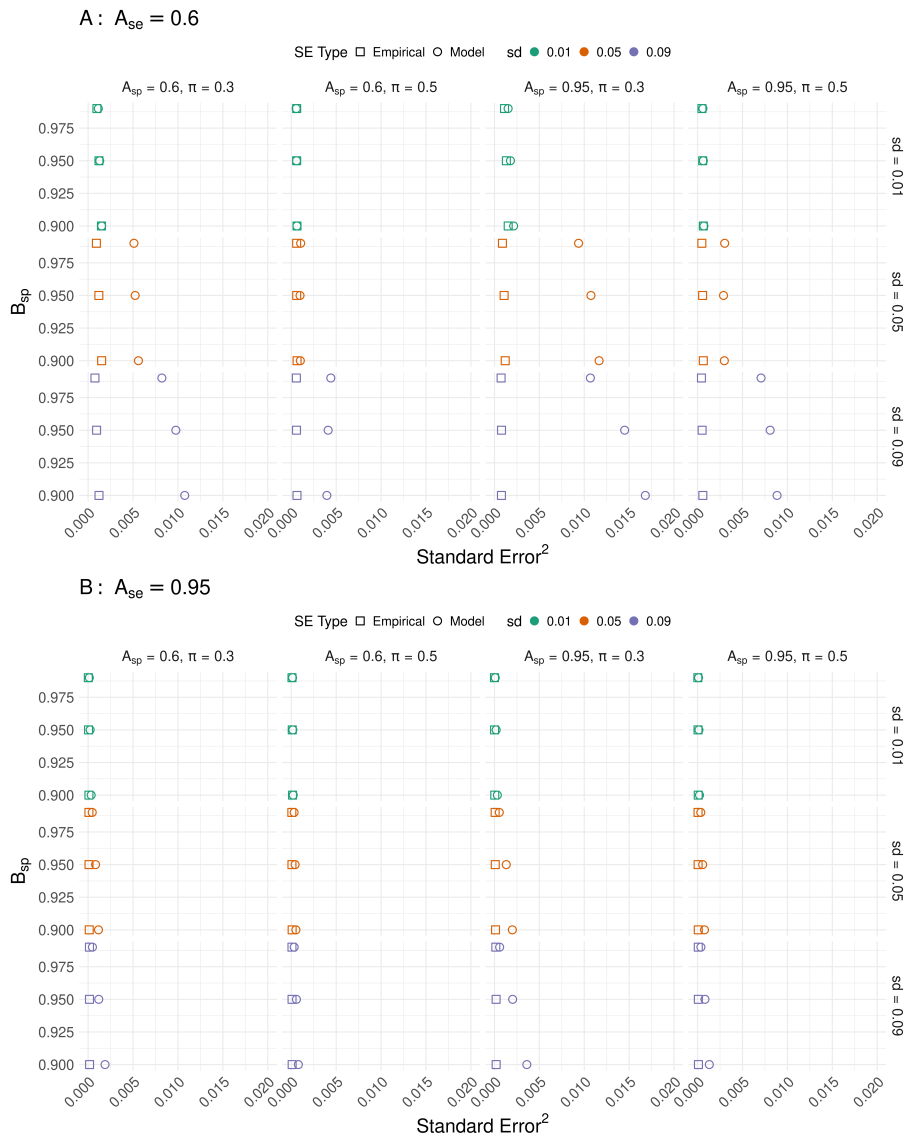
S4.1: Bias in the adjusted and crude estimates of A_{se} , for low (A) and high (B) values of A_{se} , when $n_{obs} = 500$, for correctly centred priors. Points represent the mean bias across simulations, and vertical lines show the 2.5th and 97.5th percentiles.



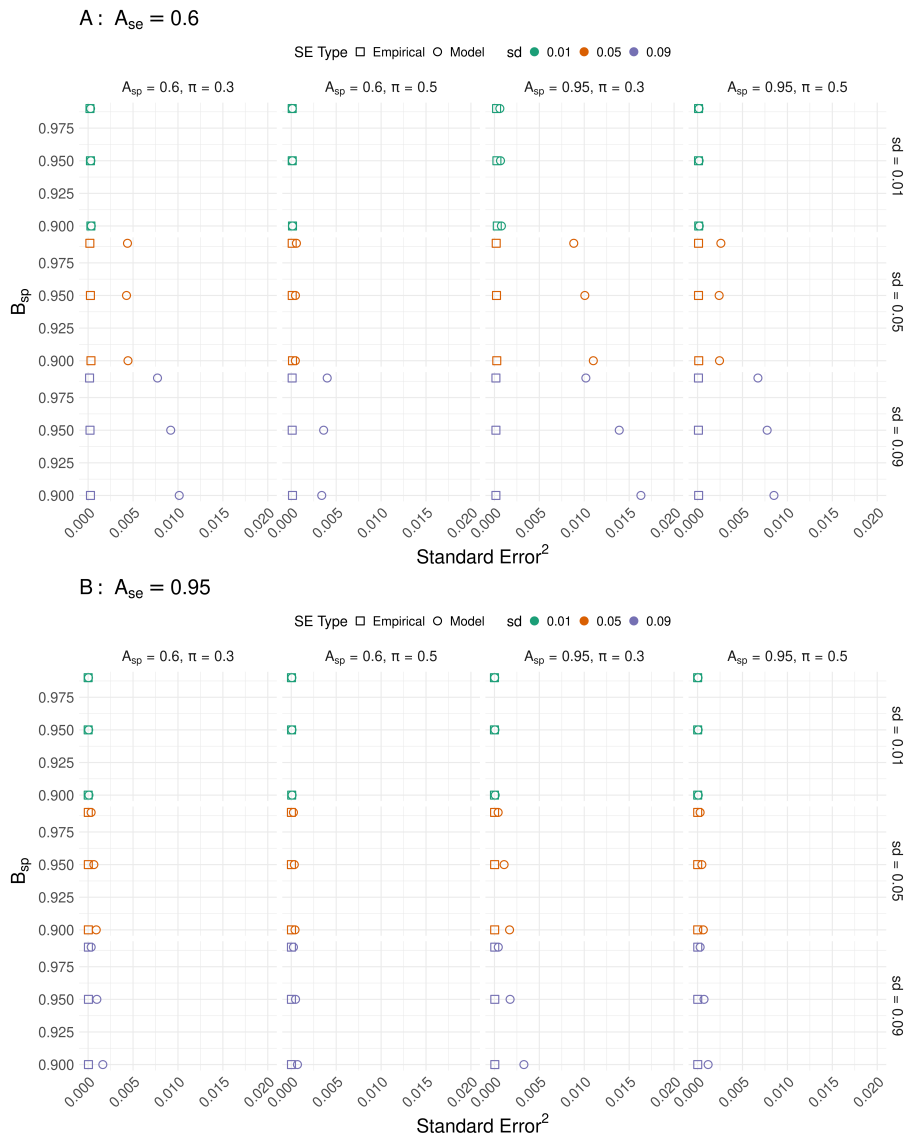
S4.2: Bias in the adjusted and crude estimates of A_{se} , for low (A) and high (B) values of A_{se} , when $n_{obs} = 5000$, for incorrectly centred priors. Points represent the mean bias across simulations, and vertical lines show the 2.5th and 97.5th percentiles.



S4.3: EmpSE² and ModSE², for low (A) and high (B) values of A_{se} , when $n_{obs} = 500$, for incorrectly centred priors.



S4.4: EmpSE² and ModSE², for low (A) and high (B) values of A_{se} , when $n_{obs} = 1000$, for incorrectly centred priors.



S4.5: EmpSE^2 and ModSE^2 , for low (A) and high (B) values of A_{se} , when $n_{obs} = 5000$, for incorrectly centred priors.