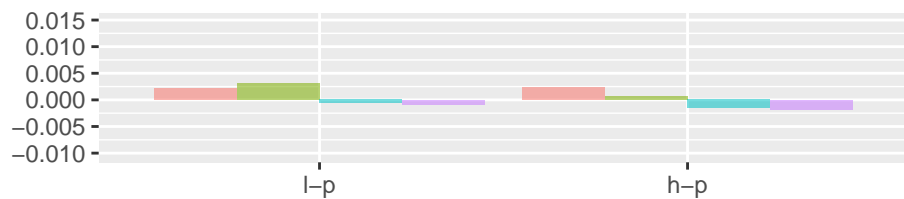


Bias

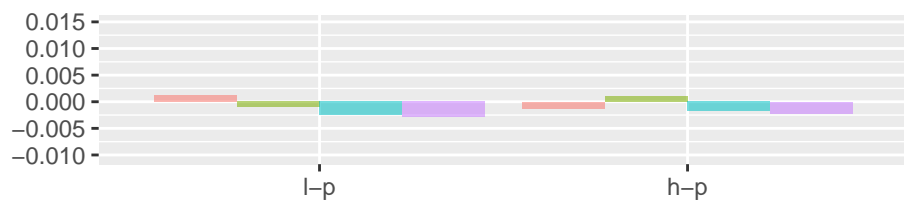
a

$$\delta_{1p} = 0, \delta_{1l} = \delta_{2l} = 0, \delta_{1h} = \delta_{2h} = 0$$



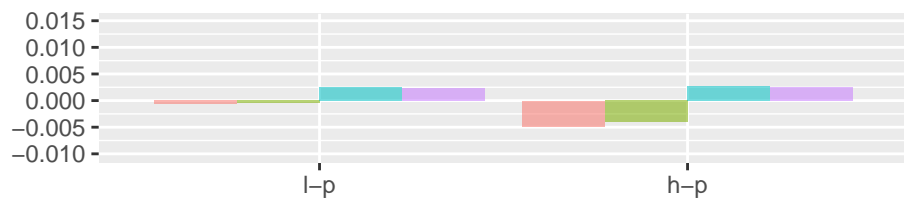
b

$$\delta_{1p} = 0, \delta_{1l} = \delta_{2l} = 0, \delta_{1h} = \delta_{2h} = 6$$



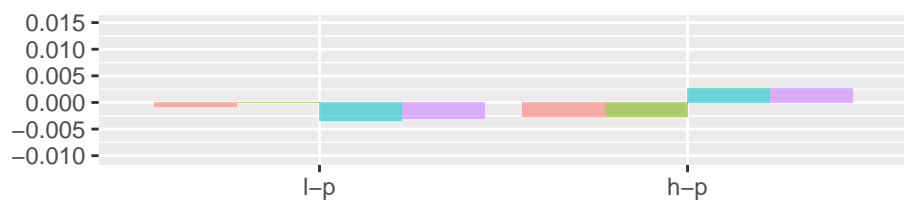
c

$$\delta_{1p} = 0, \delta_{1l} = \delta_{2l} = 2, \delta_{1h} = \delta_{2h} = 6$$



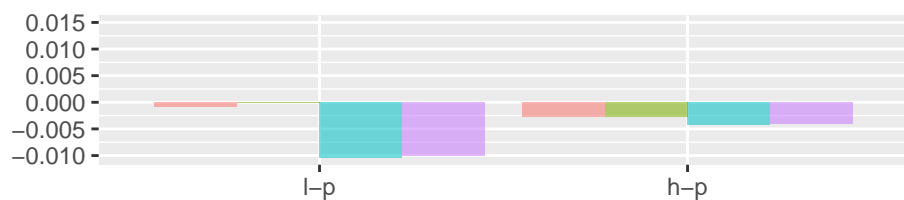
d

$$\delta_{1p} = 0, \delta_{1l} = \delta_{2l} = 4, \delta_{1h} = \delta_{2h} = 8$$



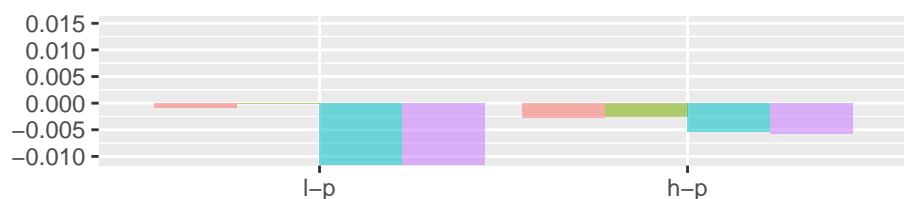
e

$$\text{some unaligned } \delta_{1p} = 0, \delta_{1l} = \delta_{2l} = 4, \delta_{1h} = \delta_{2h} = 8$$



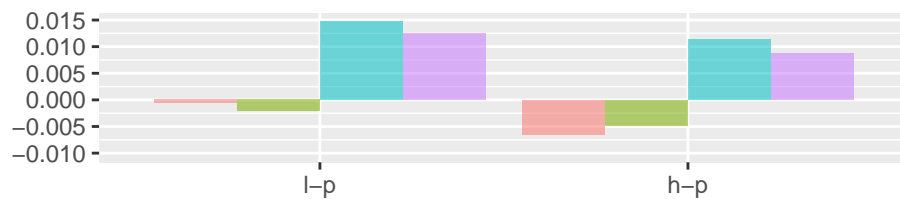
f

$$\text{cmplt unaligned } \delta_{1p} = 0, \delta_{1l} = \delta_{2l} = 4, \delta_{1h} = \delta_{2h} = 8$$



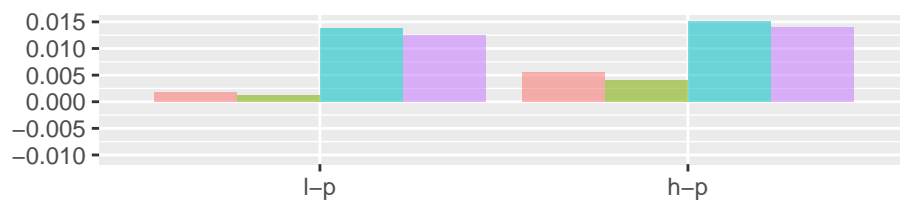
g

$$\delta_{1p} = 0, \delta_{1l} = 0, \delta_{2l} = 1, \delta_{1h} = 0, \delta_{2h} = 1$$



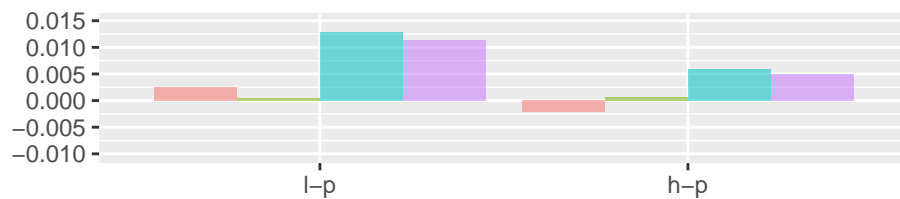
h

$$\delta_{1p} = 0, \delta_{1l} = 0, \delta_{2l} = 1, \delta_{1h} = 6, \delta_{2h} = 7$$



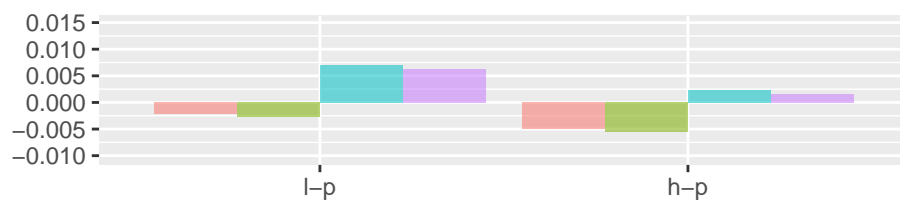
i

$$\delta_{1p} = 0, \delta_{1l} = 2, \delta_{2l} = 3, \delta_{1h} = 6, \delta_{2h} = 7$$



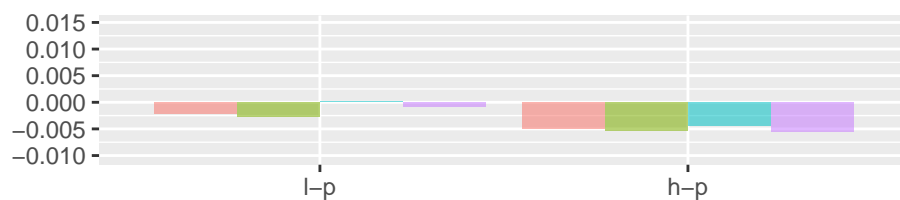
j

$$\delta_{1p} = 0, \delta_{1l} = 4, \delta_{2l} = 5, \delta_{1h} = 8, \delta_{2h} = 9$$



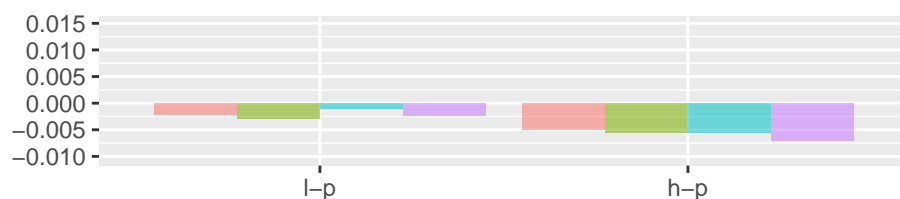
k

$$\text{some unaligned } \delta_{1p} = 0, \delta_{1l} = 4, \delta_{2l} = 5, \delta_{1h} = 8, \delta_{2h} = 9$$



l

$$\text{cmplt unaligned } \delta_{1p} = 0, \delta_{1l} = 4, \delta_{2l} = 5, \delta_{1h} = 8, \delta_{2h} = 9$$



Model MMRM BJSM BLPM RBLPM