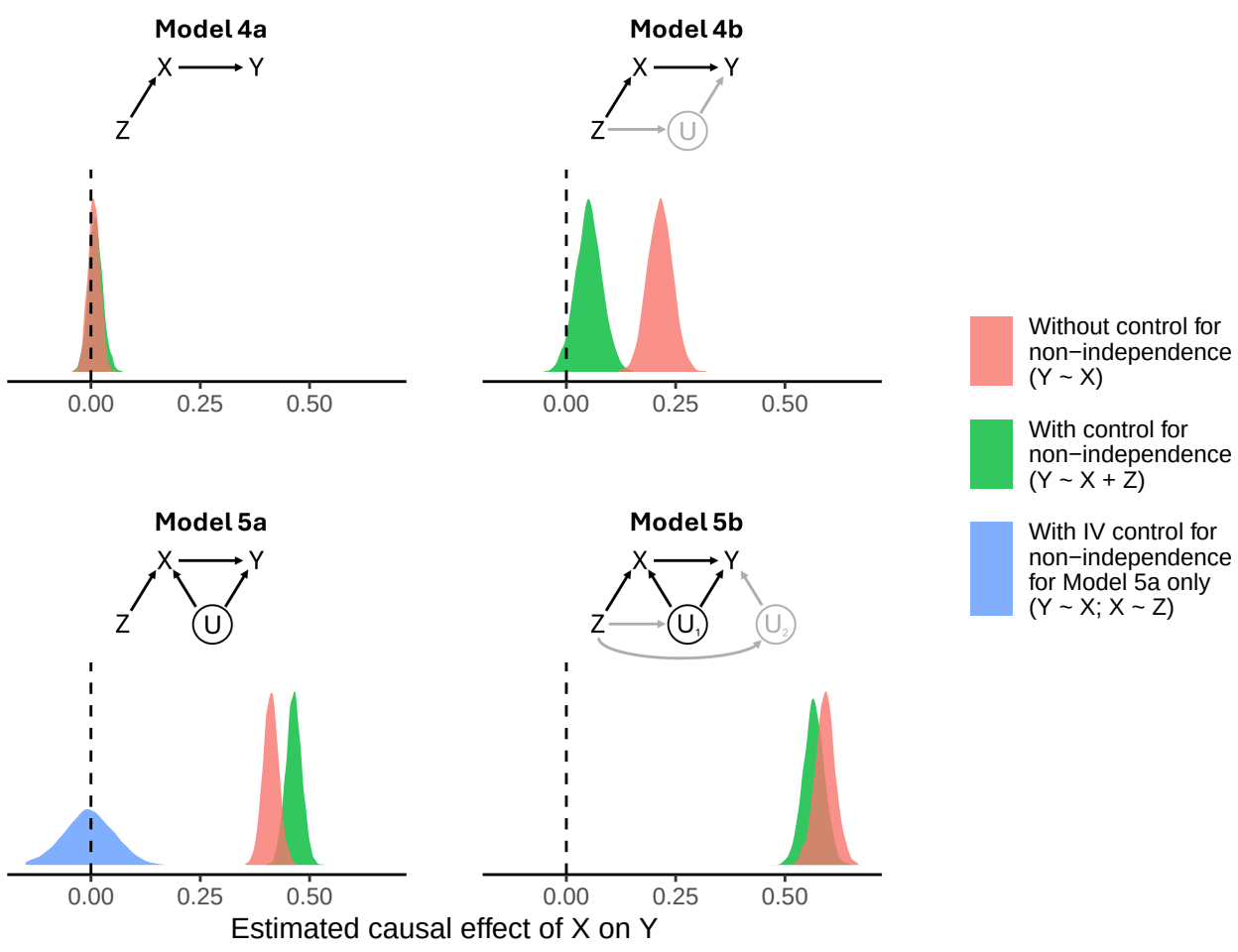
Model 4a
X
Y
Z
0.00
0.25
0.50
Model 4b
X
Y
Z
U
0.00
0.25
0.50
Model 5a
X
Y
Z
U
0.00
0.25
0.50
Model 5b
X
Y
Z
U1
U2
0.00
0.25
0.50
Estimated causal effect of X on Y
Without control for non−independence (Y ~ X)
With control for non−independence (Y ~ X + Z)
With IV control for non−independence for Model 5a only (Y ~ X; X ~ Z)