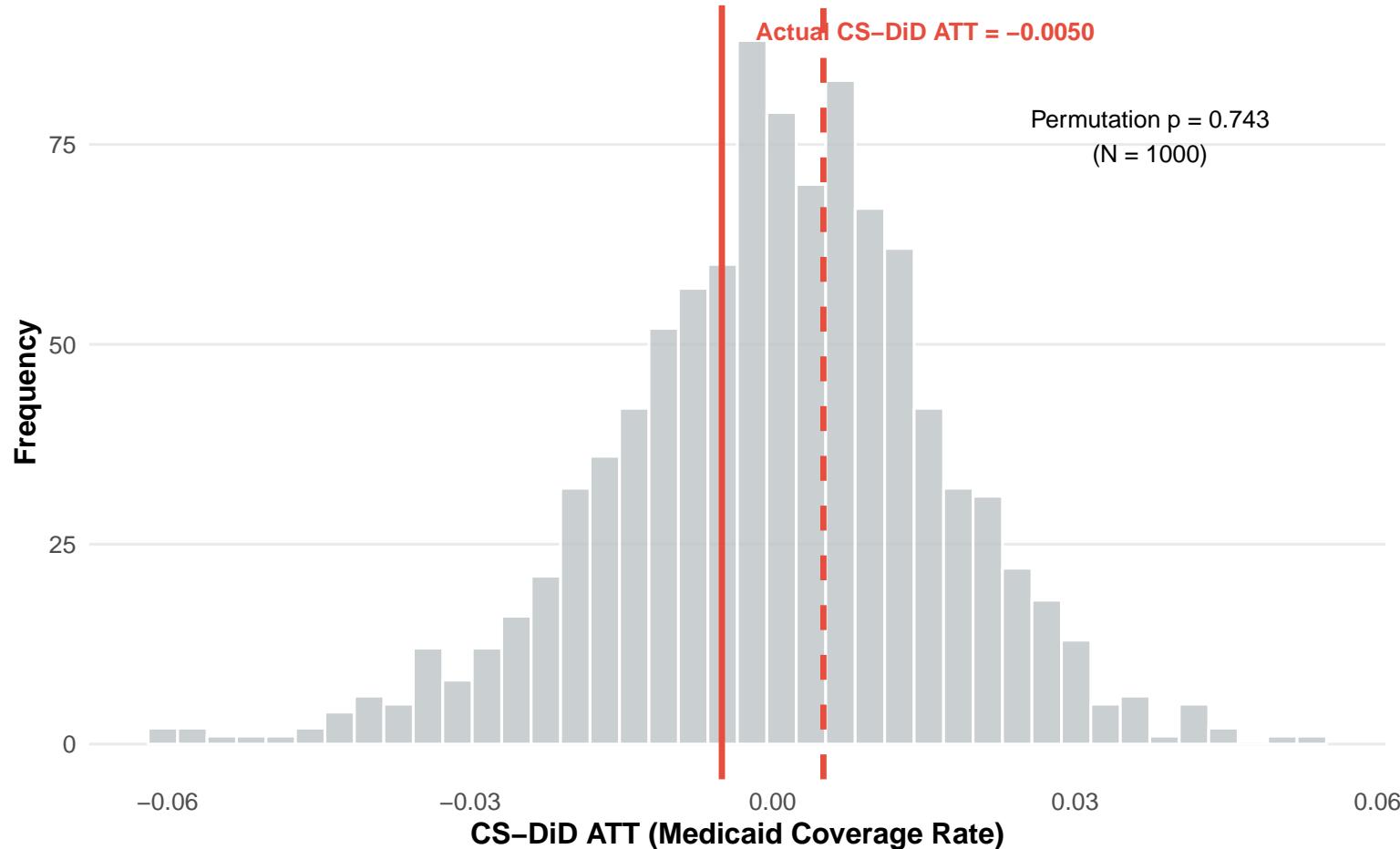


Permutation Inference: CS-DiD ATT Null Distribution

Randomly reassigning adoption years across states (1000 permutations)



1000 random permutations of adoption years across states.

Each permutation re-runs the full Callaway–Sant'Anna estimator.

Red solid line: actual CS-DiD ATT. Red dashed: mirror. Two-sided p-value shown.