MSE as a function of magnitude of NCEC violation 0.100 synth non-synthetic --- synthetic-full 0.075 estimator В У 0.050 -ΑT IV PP Synthetic IV 0.025 -Synthetic TSLS **TSLS** 0.0 0.1 0.2 0.3 0.4 0.5 α_{c} MSE as a function of magnitude of NCEC violation 0.030 -0.025 estimator Original TSLS Sample-split Modified Synthetic TSLS **S** 0.020 Sample-split Synthetic TSLS Synthetic Modified TSLS 0.015 -Synthetic TSLS 0.010 0.0 0.1 0.2 0.3 0.4 0.5

 α_{c}