

ATE (95% bootstrap confidence interval)

Overlap
(NTV)

←Albumin more efficient

Albumin less efficient→

All confounders (24 features)

Est=DML + Regularized Linear	-0.06(-0.07 to -0.04)
Est=DRLearner + Regularized Linear	-0.08(-0.14 to -0.01)
Est=DML + Forests	-0.01(-0.02 to -0.00)
Est=DRLearner + Forests	-0.00(-0.01 to 0.01)

Without drugs (19 features)

DML	-0.06(-0.07 to -0.05)
Est=DRLearner + Regularized Linear	-0.10(-0.17 to -0.03)
Est=DML + Forests	-0.01(-0.02 to -0.00)
Est=DRLearner + Forests	-0.01(-0.02 to 0.00)

Without measurements (13 features)

Est=DML + Regularized Linear	-0.06(-0.08 to -0.05)
Est=DRLearner + Regularized Linear	-0.02(-0.04 to -0.00)
Est=DML + Forests	-0.05(-0.07 to -0.04)
Est=DRLearner + Forests	-0.02(-0.04 to -0.00)

Socio-demographics (5 features)

Est=DML + Regularized Linear	-0.05(-0.07 to -0.04)
Est=DRLearner + Regularized Linear	-0.03(-0.05 to -0.02)
Est=DML + Forests	-0.05(-0.06 to -0.03)
Est=DRLearner + Forests	-0.03(-0.05 to -0.02)

-0.16 -0.12 -0.08 -0.04 0.00

ATE on 28-day mortality

0.42

0.42

0.46

0.40

0.40

0.45

0.46

0.33

0.33

0.34

0.35

0.27

0.27

0.22

0.21