MSE, xi=0(Mis xi), interactions=TRUE, mis\_Y=0, mis\_PS=2, N=2000  $\pi_{as} = 0.75$  $\pi_{as} = 0.5$ 0.6 X  $\pi_{\text{pro}}$  : High 0.4 -0.2 В В В 0.6  $\pi_{pro}$  : Low 0.4  $\boxtimes$  $\boxtimes$ 0.2 0.0 5 10 3 10 5 **Number of Covariates** Mahal cal Mahal PS Mahal cal: WLS Mahal: WLS PS: WLS Mahal cal: OLS DL

MSE, xi=0.05(Mis xi), interactions=TRUE, mis\_Y=0, mis\_PS=2, N=2000  $\pi_{as} = 0.75$  $\pi_{\text{as}}=0.5$ 8.0 0.6  $\pi_{\text{pro}}$  : High 0.4 X 0.2 О.0 О.8 0.6  $\boxtimes$  $\pi_{pro}$  : Low 0.4 0.2 0.0 5 10 5 10 **Number of Covariates** Mahal cal Mahal PS Mahal cal: WLS PS: WLS

Mahal cal: OLS

DL

Mahal: WLS

MSE, xi=0.1(Mis xi), interactions=TRUE, mis\_Y=0, mis\_PS=2, N=2000  $\pi_{as} = 0.5$  $\pi_{as} = 0.75$ 0.8-0.6  $\pi_{\text{pro}}$  : High X0.4 -0.2 **В** 0.0 -0.6- $\pi_{\text{pro}}$  : Low 0.4-0.2 0.0 5 5 10 10 **Number of Covariates** Mahal cal Mahal PS Mahal cal: WLS Mahal: WLS PS: WLS Mahal cal: OLS DL







