

TABLE S1 Hypred Mid Tier, AGAIG, SD=0 ME=0, Estimated Betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	90% (89.5%, 90.5%)	90% (89.5%, 90.5%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S2 Hypred Mid Tier, AGAIG, SD=0 ME=0.025, Estimated Betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	90% (89.5%, 90.5%)	90% (89.5%, 90.5%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S3 Hypred Mid Tier, AGAIG, SD=0 ME=0.05, Estimated Betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	90% (89.5%, 90.5%)	90% (89.5%, 90.5%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S4 Hypred Mid Tier, AGAIG, SD=0 ME=0.075, Estimated Betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	90% (89.5%, 90.5%)	90% (89.5%, 90.5%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S5 Hypred Mid Tier, AGAIG, SD=0 ME=0.1, Estimated Betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	90% (89.5%, 90.5%)	90% (89.5%, 90.5%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S6 Hypred Mid Tier, AGAIG, SD=0 ME=0.125, Estimated Betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	90% (89.5%, 90.5%)	90% (89.5%, 90.5%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S7 Hypred Mid Tier, AGAIG, SD=0 ME=0.15, Estimated Betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	90% (89.5%, 90.5%)	90% (89.5%, 90.5%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S8 Hypred Mid Tier, AGAIG, SD=0 ME=0.175, Estimated Betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	90% (89.5%, 90.5%)	90% (89.5%, 90.5%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S9 Hypred Mid Tier, AGAIG, SD=0 ME=0.2, Estimated Betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	90% (89.5%, 90.5%)	90% (89.5%, 90.5%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S10 Hypred Mid Tier, AGAIG, SD=0 ME=0.225, Estimated Betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	90% (89.5%, 90.5%)	90% (89.5%, 90.5%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S11 Hypred Mid Tier, AGAIG, SD=0 ME=0.25, Estimated betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	90% (89.5%, 90.5%)	90% (89.5%, 90.5%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S12 Hypred Mid Tier, AGAIG, SD=0 ME=0.5, Estimated betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	0% (0%, 41%)	0% (0%, 41%)	0% (0%, 41%)	0% (0%, 41%)	0% (0%, 41%)
Efficiency						
	Mean (95% CI)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	80% (79.4%, 80.6%)	87.9% (87.4%, 88.5%)	87.8% (87.3%, 88.3%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	-10%, 90%	-10%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1.2 (1, 1.5)	1.3 (1, 1.5)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 11	1, 11

TABLE S13 Hypred Mid Tier, AGAIG, SD=0 ME=0.75, Estimated betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	1.8% (0.2%, 6.3%)	1.8% (0.2%, 6.3%)	1.8% (0.2%, 6.3%)	6.2% (2.5%, 12.5%)	5.4% (2%, 11.3%)
Efficiency						
	Mean (95% CI)	78.8% (78.2%, 79.5%)	78.8% (78.1%, 79.5%)	78.8% (78.2%, 79.5%)	82.1% (81.4%, 82.7%)	81.7% (81%, 82.3%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	-15%, 80%	-14%, 80%	-8%, 80%	-10%, 90%	-10%, 90%
Rounds						
	Mean (95% CI)	1.3 (0.9, 1.6)	1.3 (0.9, 1.6)	1.1 (1, 1.3)	2.2 (1.7, 2.7)	2.2 (1.7, 2.7)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 22	1, 20	1, 9	1, 11	1, 11

TABLE S14 Hypred Low Tier, AGAIG, SD=0 ME=0, Estimated Betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	90% (89.7%, 90.3%)	90% (89.7%, 90.3%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S15 Hypred Low Tier, AGAIG, SD=0 ME=0.025, Estimated Betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	90% (89.7%, 90.3%)	90% (89.7%, 90.3%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S16 Hypred Low Tier, AGAIG, SD=0 ME=0.05, Estimated Betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	90% (89.7%, 90.3%)	90% (89.7%, 90.3%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S17 Hypred Low Tier, AGAIG, SD=0 ME=0.075, Estimated Betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	90% (89.7%, 90.3%)	90% (89.7%, 90.3%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S18 Hypred Low Tier, AGAIG, SD=0 ME=0.1, Estimated Betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	90% (89.7%, 90.3%)	90% (89.7%, 90.3%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S19 Hypred Low Tier, AGAIG, SD=0 ME=0.125, Estimated Betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	90% (89.7%, 90.3%)	90% (89.7%, 90.3%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S20 Hypred Low Tier, AGAIG, SD=0 ME=0.15, Estimated Betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	90% (89.7%, 90.3%)	90% (89.7%, 90.3%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S21 Hypred Low Tier, AGAIG, SD=0 ME=0.175, Estimated Betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	90% (89.7%, 90.3%)	90% (89.7%, 90.3%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S22 Hypred Low Tier, AGAIG, SD=0 ME=0.2, Estimated Betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	90% (89.7%, 90.3%)	90% (89.7%, 90.3%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S23 Hypred Low Tier, AGAIG, SD=0 ME=0.225, Estimated Betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	90% (89.7%, 90.3%)	90% (89.7%, 90.3%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S24 Hypred Low Tier, AGAIG, SD=0 ME=0.25, Estimated betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	90% (89.7%, 90.3%)	90% (89.7%, 90.3%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	90%, 90%	90%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 1	1, 1

TABLE S25 Hypred Low Tier, AGAIG, SD=0 ME=0.5, Estimated betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)	NaN% (0%, 100%)
Efficiency						
	Mean (95% CI)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	80% (79.5%, 80.5%)	88.7% (88.3%, 89%)	88.7% (88.3%, 89%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	80%, 80%	80%, 80%	80%, 80%	-10%, 90%	-10%, 90%
Rounds						
	Mean (95% CI)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1.1 (1, 1.3)	1.1 (1, 1.3)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 1	1, 1	1, 1	1, 11	1, 11

TABLE S26 Hypred Low Tier, AGAIG, SD=0 ME=0.75, Estimated betas

		Linreg	MSS	LRSOE	MiniPred	Mini+alg
Sensitivity						
	Mean (95% CI)	0% (0%, 11.6%)	0% (0%, 11.6%)	0% (0%, 11.6%)	3.3% (0.1%, 17.2%)	3.3% (0.1%, 17.2%)
Efficiency						
	Mean (95% CI)	79.8% (79.3%, 80.2%)	79.7% (79.3%, 80.2%)	79.7% (79.2%, 80.1%)	84.6% (84.1%, 85%)	84.4% (84%, 84.9%)
	Median (Q1, Q3)	80% (80%, 80%)	80% (80%, 80%)	80% (80%, 80%)	90% (90%, 90%)	90% (90%, 90%)
	Min, Max	10%, 80%	6%, 80%	1%, 80%	-10%, 90%	-10%, 90%
Rounds						
	Mean (95% CI)	1.1 (0.9, 1.2)	1.1 (1, 1.2)	1 (1, 1.1)	1.7 (1.4, 2)	1.7 (1.4, 2)
	Median (Q1, Q3)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
	Min, Max	1, 19	1, 17	1, 7	1, 11	1, 11

