This page presents all results from the as good as it gets scenarios (AGAIG). Included are the results for each of the 8 different combinations of SD and ME using betas estimated from a training set of 5,000 obs. Only the random matrix fill method is shown.

TABLE 1 AGAIG, SD=0, ME=0, est betas

		Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	Mean (95% CI)	94.7% (93.8%, 95.5%)	95% (94.1%, 95.7%)	97.5% (96.9%, 98%)	100% (99.9%, 100%)	100% (99.9%, 100%)
Efficiency	Mean (95% CI)	74% (73.6%, 74.4%)	70.1% (69.7%, 70.5%)	71.4% (71%, 71.8%)	83.3% (83%, 83.6%)	61% (60.6%, 61.4%)
	Median (Q1, Q3)	74% (73%, 76%)	71% (67%, 74%)	72% (69%, 74%)	83% (82%, 85%)	62% (54%, 69%)
	Min, Max	65%, 79%	50%, 79%	61%, 79%	75%, 89%	27%, 88%
Rounds	Mean (95% CI)	3.1 (3, 3.1)	3.6 (3.6, 3.7)	2.3 (2.3, 2.3)	3 (3, 3.1)	9.9 (9.8, 10)
	Median (Q1, Q3)	3 (3, 3)	4 (3, 4)	2 (2, 3)	3 (3, 3)	10 (9, 11)
	Min, Max	2, 5	2, 8	2, 3	2, 6	3, 11

TABLE 2 AGAIG, SD=0, ME=0.25, est betas

		Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	Mean (95% CI)	84.2% (82.8%, 85.5%)	82% (80.6%, 83.4%)	88.1% (86.8%, 89.2%)	93.2% (92.2%, 94.1%)	94.5% (93.7%, 95.3%)
Efficiency	Mean (95% CI)	68.6% (68.2%, 69%)	65.1% (64.7%, 65.5%)	68.2% (67.8%, 68.6%)	64.1% (63.7%, 64.6%)	49.3% (48.9%, 49.8%)
	Median (Q1, Q3)	71% (65%, 74%)	67% (59%, 72%)	69% (65%, 73%)	65.5% (56%, 74%)	50% (40%, 58%)
	Min, Max	28%, 79%	29%, 79%	40%, 79%	18%, 88%	9%, 85%
Rounds	Mean (95% CI)	5.2 (5, 5.4)	4.8 (4.7, 5)	3.6 (3.4, 3.7)	10.2 (10, 10.4)	10.8 (10.8, 10.9)
	Median (Q1, Q3)	5 (4, 6)	5 (3, 6)	3 (2, 4)	11 (11, 11)	11 (11, 11)
	Min, Max	2, 13	2, 12	2, 9	2, 11	4, 11

TABLE 3 AGAIG, SD=0, ME=0.5, est betas

		Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	Mean (95% CI)	80.1% (78.5%, 81.5%)	76.3% (74.7%, 77.9%)	84.5% (83.1%, 85.9%)	90.9% (89.8%, 91.9%)	91.8% (90.7%, 92.7%)
Efficiency	Mean (95% CI)	64.9% (64.5%, 65.4%)	62.5% (62.1%, 63%)	64.8% (64.4%, 65.3%)	55.4% (54.9%, 55.8%)	43.3% (42.9%, 43.8%)
	Median (Q1, Q3)	67% (59.7%, 72%)	64.5% (56%, 70%)	66% (60%, 71%)	56% (47%, 65%)	43% (34%, 53%)
	Min, Max	24%, 79%	16%, 79%	30%, 79%	9%, 87%	1%, 84%
Rounds	Mean (95% CI)	6.5 (6.3, 6.7)	5.4 (5.2, 5.6)	4.4 (4.3, 4.6)	10.8 (10.7, 10.9)	10.9 (10.9, 11)
	Median (Q1, Q3)	6.5 (5, 8)	5 (4, 7)	4 (3, 6)	11 (11, 11)	11 (11, 11)
	Min, Max	2, 15	2, 14	2, 9	2, 11	4, 11

TABLE 4 AGAIG, SD=0, ME=0.75, est betas

		Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	Mean (95% CI)	76% (74.4%, 77.6%)	71.6% (69.9%, 73.3%)	80.8% (79.3%, 82.3%)	89.9% (88.7%, 91%)	90.2% (89%, 91.3%)
Efficiency	Mean (95% CI)	63% (62.6%, 63.4%)	61.2% (60.7%, 61.6%)	62.9% (62.5%, 63.3%)	50.4% (50%, 50.9%)	39.7% (39.3%, 40.2%)
	Median (Q1, Q3)	64% (57%, 71%)	63% (55%, 70%)	64% (58%, 70%)	52% (39%, 59%)	40% (30%, 50%)
	Min, Max	26%, 79%	16%, 78%	29%, 78%	0%, 87%	0%, 82%
Rounds	Mean (95% CI)	7.1 (6.9, 7.4)	5.7 (5.5, 5.9)	4.8 (4.7, 5)	10.9 (10.8, 11)	11 (10.9, 11)
	Median (Q1, Q3)	7 (5, 9)	6 (4, 7)	5 (4, 6)	11 (11, 11)	11 (11, 11)
	Min, Max	2, 15	2, 15	2, 9	2, 11	4, 11

TABLE 5 AGAIG, SD=1.0, ME=0.05, est betas

		Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	Mean (95% CI)	95% (94.1%, 95.8%)	93.4% (92.4%, 94.3%)	96.5% (95.7%, 97.1%)	98.7% (98.2%, 99.1%)	98.8% (98.3%, 99.1%)
Efficiency	Mean (95% CI)	69.8% (69.4%, 70.2%)	67.7% (67.3%, 68.1%)	69% (68.6%, 69.5%)	68.2% (67.8%, 68.6%)	55.6% (55.2%, 56%)
	Median (Q1, Q3)	72% (67%, 75%)	70% (63.7%, 73%)	70% (66%, 73%)	69% (62%, 76%)	56% (47.8%, 64%)
	Min, Max	37%, 80%	35%, 80%	45%, 80%	30%, 89%	17%, 87%
Rounds	Mean (95% CI)	4.5 (4.4, 4.7)	4.2 (4, 4.3)	3 (2.9, 3.1)	9.6 (9.4, 9.9)	10.6 (10.5, 10.7)
	Median (Q1, Q3)	4 (3, 6)	4 (3, 5)	3 (2, 4)	11 (10, 11)	11 (11, 11)
	Min, Max	1, 14	1, 11	1, 7	2, 11	3, 11

TABLE 6 AGAIG, SD=1.0, ME=0.12, est betas

		Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	Mean (95% CI)	91.9% (90.8%, 92.9%)	89.5% (88.3%, 90.6%)	94.3% (93.3%, 95.1%)	97.3% (96.6%, 97.9%)	97.2% (96.6%, 97.8%)
Efficiency	Mean (95% CI)	67.5% (67.1%, 67.9%)	65.8% (65.4%, 66.3%)	67.4% (67%, 67.8%)	62.8% (62.4%, 63.2%)	52.2% (51.8%, 52.6%)
	Median (Q1, Q3)	69% (63%, 74%)	68% (61.7%, 73%)	69% (64%, 72%)	64% (55%, 72%)	52% (44%, 62%)
	Min, Max	30%, 80%	31%, 80%	30%, 80%	26%, 89%	15%, 87%
Rounds	Mean (95% CI)	5.4 (5.2, 5.6)	4.6 (4.5, 4.8)	3.6 (3.5, 3.7)	10.3 (10.1, 10.5)	10.8 (10.7, 10.9)
	Median (Q1, Q3)	5 (4, 7)	4 (3, 6)	3 (2, 4)	11 (11, 11)	11 (11, 11)
	Min, Max	1, 17	1, 12	1, 9	2, 11	4, 11

TABLE 7 AGAIG, SD=1.0, ME=0.25, est betas

		Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	Mean (95% CI)	87.2% (85.9%, 88.4%)	84.6% (83.3%, 85.9%)	90% (88.9%, 91.1%)	94.8% (93.9%, 95.6%)	94.8% (94%, 95.6%)
Efficiency	Mean (95% CI)	65.1% (64.6%, 65.5%)	63.8% (63.4%, 64.2%)	65.2% (64.8%, 65.6%)	56.6% (56.1%, 57%)	47.6% (47.1%, 48%)
	Median (Q1, Q3)	67% (59.7%, 72%)	66% (58%, 72%)	67% (60.8%, 71%)	58% (47%, 66%)	48% (38%, 57%)
	Min, Max	22%, 80%	23%, 80%	22%, 80%	11%, 89%	3%, 86%
Rounds	Mean (95% CI)	6.2 (6, 6.5)	5.1 (4.9, 5.3)	4.2 (4, 4.3)	10.8 (10.7, 10.9)	10.9 (10.8, 10.9)
	Median (Q1, Q3)	6 (5, 8)	5 (3, 6)	4 (3, 5)	11 (11, 11)	11 (11, 11)
	Min, Max	1, 18	1, 14	1, 9	2, 11	4, 11

TABLE 8 AGAIG, SD=1.0, ME=0.5, est betas

		Linreg	MSS	LRSOE	MiniCov	Mini
Sensitivity	Mean (95% CI)	77.1% (75.6%, 78.6%)	74% (72.5%, 75.5%)	79.6% (78.2%, 81%)	88.9% (87.7%, 89.9%)	88.7% (87.6%, 89.8%)
Efficiency	Mean (95% CI)	62.1% (61.7%, 62.5%)	61% (60.6%, 61.4%)	62.3% (61.8%, 62.7%)	49.8% (49.4%, 50.3%)	42.2% (41.7%, 42.6%)
	Median (Q1, Q3)	64% (55%, 71%)	63% (54%, 70%)	64% (56%, 69%)	50% (40%, 60%)	42% (33%, 52%)
	Min, Max	14%, 80%	15%, 80%	21%, 80%	11%, 86%	2%, 83%
Rounds	Mean (95% CI)	7.2 (7, 7.5)	5.7 (5.5, 5.9)	4.8 (4.7, 5)	10.9 (10.9, 11)	11 (10.9, 11)
	Median (Q1, Q3)	7 (6, 9)	6 (4, 7)	5 (4, 6)	11 (11, 11)	11 (11, 11)
	Min, Max	1, 19	1, 15	1, 9	4, 11	6, 11