Supplementary Table 1. Tabulation of performance metrics of simulation results.

Method	N	Bias	RMSE	Coverage	95% CI Width	Power (1-β) to Detect Non-Inferiority (%)					
						δ=0	δ=1	δ=2	δ=3	δ=4	δ=5
	100	0.01	1.70	96.8	9.35	0.6	0.6	2.7	11.2	11.2	26
	200	-0.03	1.22	96.8	6.29	0.9	6.8	12.7	34	46	69.6
	400	0.01	0.88	94.3	4.36	1.8	9.9	30.2	64.6	84.3	96.1
KM NCR	800	0.02	0.63	95.5	3.06	2	19.2	59.3	90.9	97.5	97.5
	1600	-0.01	0.43	96.1	2.14	1.4	40	91.3	97.5	97.5	97.5
	3200	-0.02	0.31	95.1	1.51	2.2	71.3	97.3	97.3	97.3	97.3
	6400	0.01	0.22	96.3	1.07	1.2	93.6	97.5	97.5	97.5	97.5
	100	0.03	1.90	94.9	10.08	1	1	2.3	6.6	13.9	24.4
	200	-0.02	1.32	96.1	6.76	1.2	4.9	11.7	26.1	43.6	61.6
	400	0.01	0.95	94.3	4.68	1.6	8.7	28.2	54.8	79.7	92.9
KM CR	800	0.02	0.68	94.8	3.26	2.6	17.3	54.2	86.5	97.4	97.4
	1600	-0.02	0.46	95.4	2.29	1.8	35.4	87.8	97.2	97.2	97.2
	3200	-0.02	0.32	94.9	1.61	2.1	63.6	97	97	97	97
	6400	0.00	0.23	95.2	1.14	2	90.6	97.2	97.2	97.2	97.2
	100	-0.52	1.73	93.1	8.04	5.6	5.6	17.4	34.8	34.8	53.4
	200	-0.57	1.27	93.3	5.68	5.8	11.6	33.5	47.3	72.4	88.8
	400	-0.54	0.96	93.4	4.03	6.1	30.1	58.1	81.9	95.5	99.3
CIF CR	800	-0.53	0.75	88.2	2.86	11.4	49.7	86.9	99.3	99.6	99.6
	1600	-0.57	0.65	81.2	2.02	18.4	79.4	98.9	99.6	99.6	99.6
	3200	-0.56	0.59	68.7	1.43	31.3	98	100	100	100	100
	6400	-0.55	0.55	46.1	1.01	53.9	100	100	100	100	100
	100	0.01	1.70	88.4	8.17	11.2	11.2	26	43.6	43.6	61.2
	200	-0.03	1.22	92.3	5.94	6.8	12.7	33.9	45.9	69.5	87.4
	400	0.01	0.88	92	4.25	6.7	21.5	46.6	72.4	92	97.6
Z-test NCR	800	0.02	0.63	94.2	3.02	4.4	26.9	69.8	94.6	98.6	98.6
	1600	-0.01	0.43	95.3	2.13	2.7	49.2	94.1	98	98	98
	3200	-0.02	0.31	94	1.51	3.8	76.2	97.8	97.8	97.8	97.8
	6400	0.01	0.22	95.9	1.07	1.8	95.3	97.7	97.7	97.7	97.7
	100	1.28	2.47	92.1	10.61	5.6	5.8	14.6	17.6	26.8	35.2
	200	1.22	1.86	94.6	7.81	1.9	5.6	11.4	21.9	33.9	49
	400	1.25	1.53	90.1	5.57	0.4	4	12.6	30.1	50.5	70.3
Z-test CR	800	1.27	1.38	78.7	3.96	0.1	2.9	13.3	44.2	72.9	78.8
	1600	1.21	1.23	63.2	2.80	0	1.5	21.9	63.2	63.2	63.2
	3200	1.22	1.22	31.4	1.98	0	0.9	31.4	31.4	31.4	31.4
	6400	1.25	1.25	4.8	1.40	0	0.3	4.8	4.8	4.8	4.8

KM= Kaplan-Meier ; CIF= Cumulative Incidence Function; NCR=No Competing Risks ; CR= Competing Risks ; δ =Non-inferiority margin