

Tables_md

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2020-04-16

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## Joining, by = c("Limit fraction", "Slope", "Std", "Random Effects", "Method", "bias", "Coverage", "V
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Table 1: Summary statistics of simulations at 30% censored data and a 1% yearly increase.

Individual Sd	Random Effect	Method	$(\hat{\beta} - \beta)^2$	Coverage	Var($\hat{\beta}$)	MSE	Se($\hat{\beta}$)
0.05	High	Substitution	0.0017	0.95	0.0014	0.0031	0.0037
		LMMC	0.0025	0.99	0.0025	0.0050	0.0050
	Low	Substitution	0.0003	0.08	0.0000	0.0003	0.0000
		LMMC	0.0000	0.96	0.0000	0.0000	0.0000
0.50	High	Substitution	0.0014	0.97	0.0013	0.0026	0.0036
		LMMC	0.0021	0.99	0.0021	0.0042	0.0046
	Low	Substitution	0.0002	0.96	0.0002	0.0004	0.0014
		LMMC	0.0002	0.97	0.0002	0.0004	0.0014
1.40	High	Substitution	0.0024	0.96	0.0024	0.0048	0.0049
		LMMC	0.0043	0.97	0.0043	0.0086	0.0066
	Low	Substitution	0.0010	0.94	0.0010	0.0019	0.0032
		LMMC	0.0016	0.96	0.0015	0.0031	0.0039

Table 2: Summary statistics of simulations at 30% censored data and a 5% yearly increase.

Individual Sd	Random Effect	Method	$(\hat{\beta} - \beta)^2$	Coverage	Var($\hat{\beta}$)	MSE	Se($\hat{\beta}$)
0.05	High	Substitution	0.0021	0.94	0.0012	0.0033	0.0035
		LMMC	0.0023	0.97	0.0021	0.0044	0.0046
	Low	Substitution	0.0006	0.00	0.0000	0.0006	0.0000
		LMMC	0.0000	0.97	0.0000	0.0000	0.0000
0.50	High	Substitution	0.0019	0.96	0.0013	0.0033	0.0036
		LMMC	0.0024	0.98	0.0024	0.0047	0.0049
	Low	Substitution	0.0002	0.93	0.0002	0.0004	0.0014
		LMMC	0.0003	0.94	0.0003	0.0005	0.0017
1.40	High	Substitution	0.0027	0.96	0.0022	0.0048	0.0047
		LMMC	0.0039	0.98	0.0038	0.0077	0.0062
	Low	Substitution	0.0013	0.91	0.0012	0.0024	0.0035
		LMMC	0.0017	0.95	0.0018	0.0035	0.0042

Table 3: Summary statistics of simulations at 60% censored data and a 1% yearly increase.

Individual Sd	Random Effect	Method	$(\hat{\beta} - \beta)^2$	Coverage	Var($\hat{\beta}$)	MSE	Se($\hat{\beta}$)
0.05	High	Substitution	0.0010	0.99	0.0006	0.0016	0.0024
		LMMC	0.0041	0.99	0.0039	0.0080	0.0062
	Low	Substitution	0.0003	0.04	0.0000	0.0003	0.0000
		LMMC	0.0000	0.98	0.0000	0.0000	0.0000
0.50	High	Substitution	0.0012	0.95	0.0006	0.0018	0.0024
		LMMC	0.0045	0.97	0.0037	0.0082	0.0061
	Low	Substitution	0.0001	0.94	0.0001	0.0002	0.0010
		LMMC	0.0003	0.96	0.0003	0.0005	0.0017
1.40	High	Substitution	0.0013	0.97	0.0009	0.0022	0.0030
		LMMC	0.0049	0.99	0.0043	0.0092	0.0066
	Low	Substitution	0.0006	0.94	0.0005	0.0011	0.0022
		LMMC	0.0021	0.95	0.0021	0.0043	0.0046

Table 4: Summary statistics of simulations at 60% censored data and a 5% yearly increase.

Individual Sd	Random Effect	Method	$(\hat{\beta} - \beta)^2$	Coverage	$\text{Var}(\hat{\beta})$	MSE	$\text{Se}(\hat{\beta})$
0.05	High	Substitution	0.0024	0.78	0.0006	0.0030	0.0024
		LMC	0.0035	0.99	0.0033	0.0068	0.0057
	Low	Substitution	0.0003	0.00	0.0000	0.0003	0.0000
		LMC	0.0000	0.91	0.0000	0.0000	0.0000
0.50	High	Substitution	0.0024	0.85	0.0006	0.0030	0.0024
		LMC	0.0034	0.99	0.0033	0.0067	0.0057
	Low	Substitution	0.0003	0.76	0.0001	0.0004	0.0010
		LMC	0.0002	0.96	0.0002	0.0005	0.0014
1.40	High	Substitution	0.0031	0.76	0.0011	0.0042	0.0033
		LMC	0.0063	0.97	0.0060	0.0123	0.0077
	Low	Substitution	0.0011	0.79	0.0006	0.0017	0.0024
		LMC	0.0022	0.96	0.0022	0.0043	0.0047