

Simulation of a SEIR infectious disease model on the dynamic contact network of conference attendees

Additional file 3 – Supplementary table 1

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Supplementary table 1 – Average values, variances and 90% confidence interval (90% CI) of R_0 according to the different scenarios and network types.

Scenarios	Parameters	Network	Number of runs	$\langle R_0 \rangle$	Variance	90% CI
Very short latency Very short infectiousness REP	$1/\sigma = 1$ days $1/\nu = 2$ days $\beta = 3 \cdot 10^{-4} \text{ s}^{-1}$	DYN	5000	1.55	6.0	[0,6]
		HET	5000	1.46	5.0	[0,6]
		HOM	5000	1.96	7.8	[0,8]
Short latency Short infectiousness REP	$1/\sigma = 2$ days $1/\nu = 4$ days $\beta = 15 \cdot 10^{-5} \text{ s}^{-1}$	DYN	5000	1.50	5.0	[0,6]
		HET	5000	1.47	4.7	[0,5]
		HOM	5000	1.93	7.7	[0,7]
Very short latency Very short infectiousness RAND-SH	$1/\sigma = 1$ days $1/\nu = 2$ days $\beta = 3 \cdot 10^{-4} \text{ s}^{-1}$	DYN	5000	1.99	6.9	[0,7]
		HET	5000	1.70	5.9	[0,7]
		HOM	5000	2.09	7.6	[0,8]
Short latency Short infectiousness RAND-SH	$1/\sigma = 2$ days $1/\nu = 4$ days $\beta = 15 \cdot 10^{-5} \text{ s}^{-1}$	DYN	5000	1.94	6.0	[0,7]
		HET	5000	1.82	6.0	[0,7]
		HOM	5000	2.03	6.5	[0,7]
Very short latency Very short infectiousness CONSTR-SH	$1/\sigma = 1$ days $1/\nu = 2$ days $\beta = 3 \cdot 10^{-4} \text{ s}^{-1}$	DYN	5000	1.78	7.1	[0,7]
		HET	5000	1.71	6.5	[0,7]
		HOM	5000	2.09	8.2	[0,8]
Short latency Short infectiousness CONSTR-SH	$1/\sigma = 2$ days $1/\nu = 4$ days $\beta = 15 \cdot 10^{-5} \text{ s}^{-1}$	DYN	5000	1.79	6.3	[0,6]
		HET	5000	1.72	6.3	[0,6]
		HOM	5000	1.98	6.7	[0,7]