

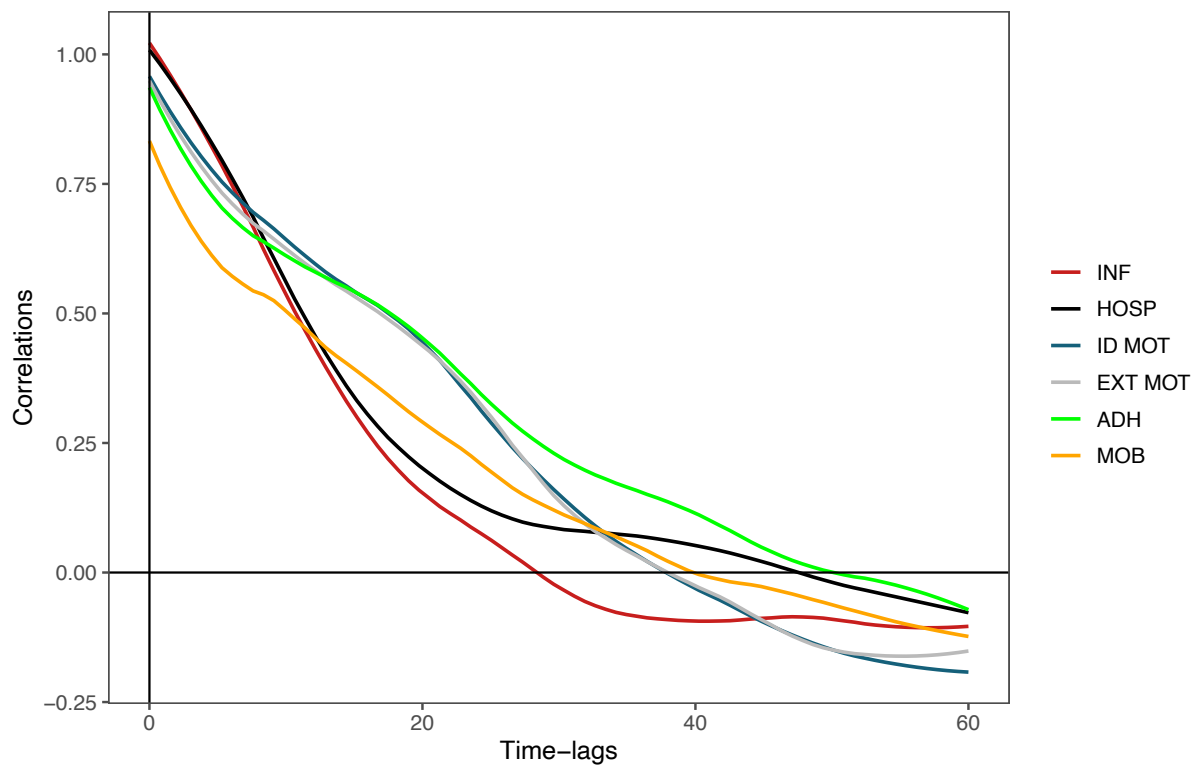
Supplementary Materials

Table S1. *Output of Cross-Correlation Functions with zero and maximum lags and Granger Causality tests*

variable X	Variable Y	Time lag	Granger test			
			X → Y		X ← Y	
			F	p	F	p
Infection rates	Hospitalization rates	+ 7	64.28	<.001***	0.72	.71
	Adherence	- 34	0.22	.63	2.73	.01*
	Mobility	- 6	1.38	.10	3.21	<.001***
Hospitalization rates	Adherence	- 29	0.73	.85	0.90	.04 *
	Mobility	- 13	1.31	.22	2.21	.01 *
Adherence	Mobility	+ 13	6.85	.001**	1.48	.23

Note. *** $p < .001$, ** $p < .01$, * $p < .05$

6 *Figure S1. Autoregressive correlations for the current study variables*



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 8 *Note.* ID MOT = identified motivation, EXT MOT = external motivation, INF = infection
 9 rates, HOSP = hospitalization rates, MOB = mobility data