S13 Table. Summary statistics of the marginal posterior distributions for parameters of the full model based on the analysis the Besançon data.

Parameter	Symbol	Median (95% credibility interval)*		
		ICU A	ICU B	ICUs combined
Background coefficient	α	0.011 (0.008, 0.014)	0.008 (0.006, 0.011)	0.009 (0.007, 0.011)
Cross-transmission coefficient	β	0.013 (0, 0.033)	0.022 (0, 0.011)	0.018 (0, 0.034)
Environmental coefficient	ϵ	201.1 (0.018, 832.829)	176.7 (0.009, 811.6)	209.0 (0.02, 784.5)
Decay rate	μ	1415.8 (65.6, 4273.8)	1396.9 (26.4, 3992.2)	1419.2 (43.7, 4524.0)
Sensitivity	$\phi\,(\%)$	50.6 (48.0, 53.1)	60.5 (58.9, 62.1)	57.6 (56.2, 58.9)
Importation probability	$f\,(\%)$	5.5 (4.5, 6.6)	7.5 (6.6, 8.4)	6.4 (5.7, 7.2)
Fraction colonized	$p_{\mathrm{col}}\,(\%)$	22.2 (21.3, 23.1)	23.2 (22.7, 23.6)	22.4 (21.9, 22.8)
Contributions				
Background	$R_{\mathrm{background}}\,(\%)$	62.2 (44.8, 79.7)	50.4 (35.6, 65.2)	57.6 (45.5, 67.9)
Cross-transmission	$R_{\mathrm{crossT}}\,(\%)$	37.2 (20.4, 54.9)	49.0 (34.0, 63.1)	42.7 (31.9, 54.0)
Env. cont. after discharge	$R_{\mathrm{env}}\,(\%)$	0.006 (0, 0.013)	0.005 (0, 0.013)	0.006 (0, 0.012)

*Highest posterior density interval