S1 Table. Summary statistics of the marginal posterior distributions for parameters of the submodel based on the analysis of the Besançon data.

Parameter	Symbol	Median (95% credibility interval)*		
		ICU A	ICU B	ICUs combined
Background coefficient	α	0.011 (0.008, 0.015)	0.008 (0.006, 0.011)	0.009 (0.007, 0.011)
Cross-transmission coefficient	β	0.03 (0.012, 0.046)	0.038 (0.006, 0.011)	0.034 (0.024, 0.044)
Sensitivity	$\phi\,(\%)$	50.7 (48.0, 53.2)	60.5 (58.8, 62.1)	57.5 (56.2, 58.9)
Importation probability	$f\,(\%)$	5.5 (4.5, 6.5)	7.6 (6.7, 8.6)	6.5 (5.8, 7.2)
Fraction colonized	$p_{\mathrm{col}}\,(\%)$	22.2 (21.2, 23.1)	23.2 (22.7, 23.7)	22.4 (21.9, 22.8)
Contributions				
Background contribution	$R_{\mathrm{background}}\,(\%)$	65.1 (46.4, 84.6)	51.1 (35.5, 66.9)	57.6 (46.0, 68.9)
Cross-transmission contribution	$R_{\mathrm{crossT}}\,(\%)$	34.9 (15.4, 53.6)	48.9 (33.1, 64.5)	42.4 (31.1, 54.0)

*Highest posterior density interval