S12 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	$0.03\quad(0.012, 0.046)$	$0.038\,(0.006, 0.011)$	$0.034\,(0.024, 0.044)$
Sensitivity	$\phi\,(\%)$	$50.7\quad(48.0, 53.2)$	$60.5\quad(58.8, 62.1)$	$57.5\quad(56.2, 58.9)$
Importation probability	$f\,(\%)$	$5.5\quad(4.5, 6.5)$	$7.6\quad(6.7, 8.6)$	$6.5\quad(5.8, 7.2)$
Fraction colonized	$p_{\mathrm{col}}\,(\%)$	$22.2\quad(21.2, 23.1)$	$23.2\quad(22.7, 23.7)$	$22.4\quad(21.9, 22.8)$
Contributions				
Background contribution	$R_{\mathrm{background}}\,(\%)$	$65.1\quad(46.4, 84.6)$	$51.1\quad(35.5, 66.9)$	$57.6\quad(46.0, 68.9)$
Cross-transmission contribution	$R_{\mathrm{crossT}}\,(\%)$	$34.9\quad(15.4, 53.6)$	$48.9\quad(33.1, 64.5)$	$42.4\quad(31.1, 54.0)$

*Highest posterior density interval