

Table S1:  $R_0$  estimates for dengue (reproduced from [13]).

Study	N	Cross-protection	Enhancement	Median $R_0$	Method
[1]	1	No	No	1.3 (0, 2.4)	final epi. size
[2]	1	No	No	1.9	hypothetical
[3]	1	No	No	2.0 (1.6, 2.5)	epi. growth curve
[4]	4	Susceptibility	Susceptibility	4.8 (1.4, 8.5)	age stratified seroprev.
[5]	1	No	No	6.3 (3.6,12.9)	epi. growth curve
[6]	1	No	No	4.8 (2.7, 11.6)	epi. growth curve
[7]	1	No	No	3.0 (2.0, 103)	epi. growth curve
[8]	1	No	No	2.0 (0.5, 3.3)	epi. growth curve
[9]	1	No	No	3.69 (2.26, 11.39)	epi. growth curve
[10]	4	Susceptibility	Both*	§ (4, 12)	age dist. of cases
[11]	1	No	No	5.17 (1.56, 22.89)	fitting SIR model
[12]	4	Susceptibility	Susceptibility	(5.2, 6.7)	age dist. of cases

N - number of serotypes

\* - susceptibility and infectiousness

§ - only a range was explored.

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