

S6 Table. Sensitivity analysis: case probabilities at reduced antimicrobial efficacy.

	Background cholera incidence rate	Time-of-departure		Early-initiated	
		Probability (%) ^{a,b}	Effectiveness (%) ^{a,b}	Probability (%) ^{a,b}	Effectiveness (%) ^{a,b}
10% efficacy reduction	0.5/1000 PYAR	0.4 (0.2, 0.7)	44.1 (37.2, 49.9)	0.1 (0.0, 0.2)	88.1 (72.4, 94.4)
	1.0/1000 PYAR	0.7 (0.3, 1.5)	44.0 (37.1, 49.8)	0.2 (0.1, 0.5)	88.0 (72.3, 94.4)
	2.0/1000 PYAR	1.5 (0.6, 2.9)	43.8 (36.9, 49.7)	0.3 (0.1, 0.9)	87.9 (72.1, 94.4)
	5.0/1000 PYAR	3.6 (1.6, 7.1)	43.3 (36.3, 49.3)	0.8 (0.3, 2.3)	87.7 (71.7, 94.2)
	10.0/1000 PYAR	7.1 (3.1, 13.8)	42.4 (35.2, 48.7)	1.6 (0.5, 4.6)	87.3 (71.0, 94.1)
25% efficacy reduction	0.5/1000 PYAR	0.4 (0.2, 0.8)	35.8 (28.7, 40.7)	0.1 (0.0, 0.3)	82.4 (60.8, 91.6)
	1.0/1000 PYAR	0.8 (0.4, 1.7)	35.7 (28.6, 40.6)	0.2 (0.1, 0.7)	82.4 (60.7, 91.5)
	2.0/1000 PYAR	1.7 (0.8, 3.3)	35.6 (28.5, 40.5)	0.5 (0.2, 1.3)	82.3 (60.5, 91.5)
	5.0/1000 PYAR	4.1 (1.9, 8.1)	35.1 (28.0, 40.1)	1.1 (0.4, 3.3)	82.0 (59.9, 91.4)
	10.0/1000 PYAR	8.1 (3.7, 15.5)	34.2 (26.9, 39.5)	2.3 (0.8, 6.5)	81.4 (58.9, 91.1)
50% efficacy reduction	0.5/1000 PYAR	0.5 (0.2, 1.0)	22.7 (14.7, 27.4)	0.2 (0.1, 0.5)	69.8 (34.7, 85.2)
	1.0/1000 PYAR	1.0 (0.5, 2.0)	22.7 (14.7, 27.3)	0.4 (0.1, 1.1)	69.8 (34.7, 85.2)
	2.0/1000 PYAR	2.0 (0.9, 3.9)	22.6 (14.6, 27.2)	0.8 (0.3, 2.2)	69.6 (34.5, 85.1)
	5.0/1000 PYAR	5.0 (2.2, 9.6)	22.2 (14.4, 26.9)	2.0 (0.7, 5.4)	69.2 (34.0, 84.8)
	10.0/1000 PYAR	9.7 (4.5, 18.2)	21.6 (13.9, 26.3)	3.9 (1.4, 10.5)	68.5 (33.1, 84.4)

PYAR: person-years at risk (incidence rate denominator).

^aCase probabilities refer to the likelihood that at least one symptomatic cholera case occurs in the community. Effectiveness is defined as the reduction in this probability relative to its estimate under status quo protocols.

^bEstimates are reported as median (95% CrI), as obtained via bootstrap resampling.