

Table S1 Incidence of blood culture-confirmed typhoid fever among non-vaccinees by family vaccine coverage*

	Family group	With age-eligible children	Proportion of vaccinees	N/PYs (n) [§]		Incidence, per 100,000 PYs		Adjusted incidence rate ratio (%) [95%CI] [†]	Vaccine effectiveness (%) [95%CI] [†]	P value
				JE	TCV	JE	TCV			
All family members	1	No		27/33,725 (n=29,276)	21/32,431 (n=28,451)	80	65	0.81 [0.15,4.52]		0.81
	2	Yes	0%	52/42,807 (n=37,485)	47/41,259 (n=36,700)	121	114	0.97 [0.31,3.04]		0.96
	3	Yes	1%-50%	14/13125 (n=10781)	12/14100 (n=11366)	107	85	0.79 [0.09,6.53]	21 [-553,91]	0.82
	4	Yes	51%-100%	36/67325 (n=52431)	35/67723 (n=53084)	53	52	0.96 [0.24,3.86]	4 [-286,76]	0.96
Adults [#]	1	No		23/31,508 (n=27,008)	20/30,269 (n=26,222)	73	66	0.90 [0.15,5.49]		0.91
	2	Yes	0%	11/27,243 (n=23,238)	10/26,305 (n=22,756)	40	38	1.00 [0.07,14.79]		1.00
	3	Yes	1%-50%	7/9150 (n=7338)	2/9780 (n=7650)	77	20	0.24 [0.00,26.72]	76 [-2572,100]	0.55
	4	Yes	51%-100%	30/62490 (n=48253)	24/62786 (n=48746)	48	38	0.80 [0.16,4.12]	20 [-312,84]	0.79
Unvaccinated children [#]	1	No		4/2,217 (n=2,268)	1/2,161 (n=2,229)	180	46	0.25 [0.00,167.07]		0.68
	2	Yes	0%	41/15,563 (n=14,247)	37/14,954 (n=13,944)	263	247	0.93 [0.26,3.28]		0.91

3	Yes	1%-50%	7/3976 (n=3443)	10/4320 (n=3716)	176	232	1.21 [0.08,18.69]	-21 [-1769,92]	0.89
4	Yes	51%-100%	6/4835 (n=4178)	11/4937 (n=4338)	124	223	1.73 [0.09,33.02]	-73 [-3202,91]	0.72

* Vaccine coverage was defined as the proportion of TCV (or JE) vaccinees among age-eligible children in every TCV (or JE) family

§ Blood-culture confirmed typhoid fever (no.)/ Person-Years of follow up (number of residents)

Adults was defined as residents aged over 18 years. Children were defined as residents aged 18 years or younger.

† Adjusted for stratification factors (the number of children 9 months to <16 years of age, ward and distance of cluster to the nearest health facility), follow-up period, covariates (age, gender, household toilet type, household source of drinking water, household type of drinking water, hand wash before meal, and hand wash after defecation), random effect (cluster, family), and family size