

**Additional file 8.** Relative risk results for all-cause child mortality by malaria transmission risk.

Covariate		High Transmission			Medium Transmission			Low Transmission		
		RR	<i>p</i>	95% CI	RR	<i>p</i>	95% CI	RR	<i>p</i>	95% CI
ITN only		0.87	0.113	(0.73, 1.03)	0.88	0.158	(0.74, 1.05)	0.89	0.489	(0.63, 1.24)
IRS only		0.94	0.919	(0.30, 2.94)	0.73	0.259	(0.42, 1.27)	0.90	0.800	(0.40, 2.03)
ITN and IRS		0.66	0.659	(0.21, 1.67)	0.72	0.662	(0.38, 1.26)	1.11	0.780	(0.28, 3.12)
Seasonality	Dry	1.00	-	-	1.00	-	-	1.00	-	-
	Wet	1.04	0.685	(0.88, 1.22)	1.10	0.242	(0.94, 1.29)	1.35	0.058	(0.99, 1.84)
Child's sex	Male	1.00	-	-	1.00	-	-	1.00	-	-
	Female	0.91	0.245	(0.77, 1.07)	1.02	0.755	(0.89, 1.18)	0.83	0.064	(0.68, 1.01)
Birth interval	≥ 24 mo.	1.00	-	-	1.00	-	-	1.00	-	-
	< 24 mo.	1.85	0.172	(0.76, 4.47)	3.77	0.000	(2.44, 5.82)	1.38	0.472	(0.57, 3.36)
Birth type	Single	1.00	-	-	1.00	-	-	1.00	-	-
	Multiple	2.65	0.000	(1.96, 3.59)	2.62	0.000	(1.94, 3.54)	2.99	0.000	(1.89, 4.73)
Maternal age (years)	15-24	0.82	0.051	(0.68, 1.00)	0.90	0.210	(0.76, 1.06)	0.82	0.120	(0.63, 1.05)
	25-34	1.00	-	-	1.00	-	-	1.00	-	-
	35-44	1.14	0.234	(0.92, 1.42)	1.42	0.000	(1.18, 1.70)	1.33	0.031	(1.03, 1.73)
	45-49	0.98	0.941	(0.50, 1.90)	0.98	0.956	(0.55, 1.76)	1.58	0.131	(0.87, 2.87)
Maternal Education	None	1.00	-	-	1.00	-	-	1.00	-	-
	Primary	0.92	0.337	(0.77, 1.09)	0.81	0.025	(0.68, 0.97)	0.82	0.180	(0.61, 1.10)
	≥Secondary	0.64	0.006	(0.46, 0.88)	0.59	0.000	(0.45, 0.78)	0.62	0.014	(0.42, 0.91)
No. household members	≤ 4	1.00	-	-	1.00	-	-	1.00	-	-
	5-8	0.62	0.000	(0.51, 0.75)	0.55	0.000	(0.46, 0.65)	0.58	0.000	(0.46, 0.73)
	≥ 9	0.61	0.000	(0.49, 0.76)	0.45	0.000	(0.36, 0.56)	0.37	0.000	(0.26, 0.53)
Household wealth (quintiles)	Poorest	1.00	-	-	1.00	-	-	1.00	-	-
	Quintile 2	0.85	0.157	(0.67, 1.07)	1.10	0.360	(0.90, 1.33)	1.10	0.525	(0.82, 1.47)
	Quintile 3	0.77	0.035	(0.61, 0.98)	0.92	0.429	(0.74, 1.14)	0.96	0.794	(0.71, 1.30)
	Quintile 4	0.86	0.245	(0.67, 1.11)	0.93	0.510	(0.73, 1.17)	0.83	0.295	(0.59, 1.17)
	Richest	0.74	0.078	(0.53, 1.04)	0.66	0.013	(0.47, 0.91)	0.63	0.049	(0.39, 1.00)
Urban residence	Rural	1.00	-	-	1.00	-	-	1.00	-	-
	Urban	0.88	0.354	(0.67, 1.15)	1.63	0.000	(1.31, 2.03)	1.40	0.047	(1.00, 1.94)
PSU-level SBA		0.63	0.003	(0.46, 0.85)	0.75	0.099	(0.53, 1.06)	0.78	0.350	(0.47, 1.31)