

SUPPLEMENTAL TABLE 1

Odds ratios (ORs) and 95% confidence intervals (CIs) for community bed net use and microscopy results using multi-level logistic regression, $N = 3,187$

	Model 1—crude		Model 2—fully adjusted		Model 3—interaction			
					Rural		Urban	
	Prevalence odds ratio (POR) of testing positive for malaria	95% CI	POR of testing positive for malaria	95% CI	POR of testing positive for malaria	95% CI	POR of testing positive for malaria	95% CI
1% increase in community bed net use	1.01	(0.99, 1.03)	1.01	(1.00, 1.0299)	1.01	(0.99, 1.03)	0.40	(0.15, 1.09)
10% increase in community bed net use	1.08	(0.91, 1.29)	1.16	(1.00, 1.34)	1.14	(0.94, 1.38)	0.46	(0.19, 1.38)
Slept under bed net vs. did not sleep under bed net*	0.82	(0.77, 0.87)	0.83	(0.78, 0.89)	0.83			(0.78, 0.89)

ORs and 95% CIs for each variable in the multi-level logistic regression model, using microscopy results as the outcome. Model 1 includes community and individual bed net use, model 2 includes model 1 variables plus all covariates (gender, age [quadratic], wealth, and urbanicity), and model 3 includes all model 2 variables plus an interaction term between urbanicity and community bed net use. Row 3 shows OR (95% CI) for individual bed net use and malaria parasitemia.

* Model 3 estimate is for all communities, not stratified by urbanicity.