Supplemental Table 1. Predictors of households in western Kenya that did not own any nets during a 2015 cross-sectional survey

	Highlands			Lowlands		
	Total n	No nets n (%)	Crude OR [1] (95% CI)	Total n	No nets n (%)	Crude OR [1] (95% CI)
Households	643	203 (31.6%)		574	11 (1.9%)	
Household member composition						
Number of household members	Mean: 4.26 Range: 1-12	Mean: 4.09 Range: 1-9	0.95 (0.88 – 1.03)	Mean: 2.92 Range: 1-9	Mean: 2.09 Range: 1-5	0.70 (0.44 – 1.10)
1 – 2	161	56 (34.8%)	1.00 (ref)	276	8 (2.9%)	1.00 (ref)
3 – 4	199	63 (31.7%)	0.87 (0.56 – 1.35)	190	2 (1.1%)	0.36 (0.08 – 1.70)
5 – 6	177	55 (31.1%)	0.85 (0.54 – 1.33)	85	1 (1.2%)	0.40 (0.05 – 3.24)
>6	106	29 (27.4%)	0.71 (0.41 – 1.21)	23	0 (0.0%)	0 (N/A)
Child under 5 years living in house						
No	367	111 (30.2%)	1.00 (ref)	395	10 (2.5%)	1.00 (ref)
Yes	276	92 (33.3%)	1.15 (0.83 – 1.61)	179	1 (0.6%)	0.22 (0.03 – 1.70)
School-age child (5 – 15 years) living in house						
No	233	80 (34.3%)	1.00 (ref)	311	7 (2.3%)	1.00 (ref)
Yes	410	123 (30.0%)	0.82 (0.58 – 1.16)	263	4 (1.5%)	0.67 (0.19 – 2.32)
Perceived malaria severity						
Low	179	62 (34.6%)	1.00 (ref)	75	3 (4.0%)	1.00 (ref)
Moderate	388	113 (29.1%)	0.78 (0.53 – 1.13)	211	5 (2.4%)	0.58 (0.14 – 2.50)
High	64	23 (35.9%)	1.06 (0.58 – 1.92)	286	3 (1.0%)	0.25 (0.05 – 1.29)
Socioeconomic status						
Asset ownership quartile						
Low	165	67 (40.6%)	**2.01 (1.22 – 3.32)**	123	8 (6.5%)	**6.57 (1.37 – 31.50)**
Second	217	66 (30.4%)	1.29 (0.79 – 2.10)	100	0 (0.0%)	0 (N/A)
Third	128	34 (26.6%)	1.06 (0.61 – 1.86)	160	1 (0.6%)	0.59 (0.05 – 6.62)
High	130	33 (25.4%)	1.00 (ref)	191	2 (1.0%)	1.00 (ref)
Education of the female head of household						
None or some primary	316	90 (28.5%)	1.00 (ref)	222	5 (2.3%)	1.00 (ref)
Completed primary but not secondary	218	70 (32.1%)	1.19 (0.82 – 1.73)	237	2 (0.8%)	0.35 (0.07 – 1.85)
Completed secondary	50	10 (20.0%)	0.63 (0.30 – 1.31)	47	1 (2.1%)	0.94 (0.11 – 8.27)
No female head or other education	51	29 (56.9%)	**3.31 (1.81 – 6.07)**	51	3 (5.9%)	2.71 (0.63 – 11.74)

	Highlands			Lowlands		
	Total **n**	**No nets** **n (%)**	**Crude OR [1]** **(95% CI)**	**Total** **n**	**No nets** **n (%)**	**Crude OR [1]** **(95% CI)**
Can afford to buy a net if not given one						
No	198	83 (41.9%)	**1.96 (1.38 – 2.79)**	73	6 (8.2%)	**8.76 (2.60 – 29.49)**
Yes	442	119 (26.9%)	1.00 (ref)	494	5 (1.0%)	1.00 (ref)
Structure characteristics						
Main building quality [2]						
Low	52	26 (50.0%)	**2.89 (1.52 – 5.48)**	200	4 (2.0%)	0.66 (0.12 – 3.71)
Moderate	412	132 (32.0%)	1.36 (0.92 – 2.03)	294	5 (1.7%)	0.56 (0.11 – 2.96)
High	175	45 (25.7%)	1.00 (ref)	67	2 (3.0%)	1.00 (ref)
Vegetation around house						
None/bare ground	36	15 (41.7%)	1.00 (ref)	191	1 (0.5%)	1.00 (ref)
Short maintained grass	366	112 (30.6%)	0.62 (0.31 – 1.24)	141	4 (2.8%)	5.55 (0.61 – 50.18)
Medium grass and bushes	220	65 (29.5%)	0.59 (0.29 – 1.21)	168	3 (1.8%)	3.45 (0.36 – 33.53)
Long grass and bushes	17	10 (58.8%)	2.00 (0.62 – 6.45)	58	2 (3.4%)	6.79 (0.60 – 76.22)

CI = Confidence interval; OR = Odds ratio

1   Odds that the household does not own any nets.

2   Building quality was based on an index variable calculated from the total number of finished materials used among the walls, floor, and roof of the structure (0, 1, 2, or 3) with an adjustment based on the field worker's rating of household quality on a scale of 1 – 5. Households receiving the median value of the index score (2.5) were defined as 'moderate' quality, while those below and above were respectively defined as "low" or "high" quality.