Online Supplementary Document

Supplemental table 1: Correlates of household bednet ownership in sample restricted to HOUSEHOLD HEADS (HH)

Variable	Bivariate analysis		Multivariate analysis	
	OR (95% CI)	P value	OR (95% CI)	P value
Head of household characteristics				
Age of HH	1.01 (0.98—1.04)	0.453	–	–
Gender of HH	0.79 (0.23—2.67)	0.706	–	–
Education level of HH	1.06 (0.88—1.29)	0.531	–	–
Household characteristics				
Number of HH members	1.14 (0.97—1.35)	0.123	3.75 (0.97—14.55)	0.056
Reported fever in last month	3.50 (1.03—11.89)	0.044	1.03 (0.80—1.32)	0.824
Number of children under 5 years	0.90 (0.46—1.75)	0.755	–	–
Number of pregnant women	–	–	–	–
Open water source	1.24 (0.32—4.82)	0.753	–	–
Distance to water source (mns walk)	1.02 (0.95—1.09)	0.567	–	–
Wealth index				
...quintile relative to lowest wealth quintile				
Second	–	–	–	–
Third	–	–	–	–
Fourth	0.35 (0.03—3.45)	0.366	0.28 (0.03—3.10)	0.302
Fifth	2.77 (0.67—11.36)	0.158	2.90 (0.47—17.80)	0.251
Respondent perception/knowledge of malaria				
Reports fever most frequent illness in village	0.72 (0.15—3.49)	0.684	–	–
Reports fever most dangerous illness in village	1. 41 (0.42—4.74)	0.581	–	–
Malaria knowledge index	4.77 (1.01—22.55)	0.049	5.82 (1.10—30.84)	0.038

N = 250 observations.

CI – confidence interval

Supplemental table 2: Correlates of household bednet ownership in sample restricted to WIVES of household heads

Variable	Bivariate analysis		Multivariate analysis	
	OR (95% CI)	P value	OR (95% CI)	P value
Head of household characteristics				
Age of wife	1.01 (0.99—1.04)	0.349	–	–
Gender of wife	–	–	–	–
Education level of wife	1.05 (0.91—1.20)	0.510	–	–
Household characteristics				
Number of household members	1.11 (0.97—1.27)	0.139	1.10 (0.95—1.26)	0.200
Reported fever in last month	1.58 (0.74—3.36)	0.234	1.35 (0.61—2.98)	0.458
Number of children under 5 years	1.12 (0.74—1.69)	0.588	–	–
Number of pregnant women	1.72 (0.51—5.84)	0.382	–	–
Open water source	1.12 (0.51—2.45)	0.777	–	–
Distance to water source (mns walk)	1.01 (0.96—1.05)	0.792	–	–
Wealth index				
...quintile relative to lowest wealth quintile				
Second	0.34 (0.08—1.35)	0.124	0.43 (0.10—1.78)	0.246
Third	0.72 (0.23—2.24)	0.566	0.92 (0.29—2.98)	0.892
Fourth	0.46 (0.13—1.63)	0.227	0.61 (0.16—2.25)	0.455
Fifth	1.34 (0.48—3.74)	0.572	1.98 (0.66—5.96)	0.221
Respondent perception/knowledge of malaria				
Reports fever most frequent illness in village	0.54 (0.19—1.56)	0.254	–	–
Reports fever most dangerous illness in village	1.23 (0.56—2.69)	0.604	–	–
Malaria knowledge index	3.28 (1.41—7.67)	0.006	3.53 (1.44—8.68)	0.006

N = 254 observations unless specified.

Supplemental table 3: Correlates of household bednet ownership in sample restricted to HOUSEHOLD DECISION MAKERS (Household Heads (HH) or WIVES)

Variable	Bivariate analysis		Multivariate analysis	
	OR (95% CI)	P value	OR (95% CI)	P value
Head of household characteristics*				
Age of HH	1.01 (0.98—1.05)	0.429	–	–
Gender of HH	0.80 (0.24—2.69)	0.715	–	–
Education level of HH	1.06 (0.87—1.28)	0.559	–	–
Household characteristics				
Number of household members	1.15 (1.04—1.27)	0.007	1.10 (0.98—1.24)	0.095
Reported fever in last month	2.21 (1.17—4.17)	0.015	1.82 (0.94—3.54)	0.076
Number of children under 5 years	1.09 (0.77—1.52)	0.638	–	–
Number of pregnant women	1.48 (0.45—4.85)	0.517	–	–
Open water source	1.07 (0.55—2.09)	0.843	–	–
Distance to water source (mns walk)	1.01 (0.97—1.05)	0.652	–	–
Wealth index				
...quintile relative to lowest wealth quintile				
Second	1.15 (0.46—4.91)	0.497	1.05 (0.31—3.56)	0.935
Third	1.03 (0.29—3.68)	0.962	0.80 (0.22—2.96)	0.739
Fourth	1.96 (0.63—6.06)	0.244	1.29 (0.39—4.21)	0.675
Fifth	3.8 (1.33—10.73)	0.013	2.68 (0.86—8.34)	0.089
Respondent perception/knowledge of malaria				
Reports fever most frequent illness in village	0.66 (0.28—1.56)	0.347	–	–
Reports fever most dangerous illness in village	1.46 (0.77—2.80)	0.249	1.19 (0.60—2.34)	0.620
Malaria knowledge index	3.64 (1.75—7.59)	0.001	3.41 (1.59—7.32)	0.002

N = 560 observations unless specified. *N= 286 because of missing variables.

CI – confidence interval