

Annex 2: socio-demographic and clinical predictors of uptake of malaria intervention using bivariate logistic regression (Unadjusted OR)

Variables	Malaria intervention		OR (95% CI)	p-value
	Yes (n=830) freq (%)	No (n=71) freq (%)		
	[95%CI]	[95%CI]		
Maternal grouping				
Pregnant women ^R	371 (44.70) [41.35-48.1]	61 (85.92) [75.62-93.03]	Ref	0.001*
Non-pregnant mothers of uUnder-5	459 (55.30) [51.90-58.65]	10 (14.08) [6.97-24.38]	7.55 (3.81-14.93)	
Age group				
<24 ^R	132 (15.90) [13.57-18.55]	11 (15.49) [8.0-26.03]	Ref	
25-34	564 (67.95) [64.70-71.04]	46 (64.79) [52.54-75.76]	0.80 (0.35-1.82)	0.591
35-47	134 (16.14) [13.80-18.80]	14 (19.72) [11.22-30.86]	0.78 (0.42-1.46)	0.439
Marital status				
Never married ^R	22 (2.65) [1.76-3.98]	4 (5.63) [1.56-13.80]	Ref	
Married	781 (94.10) [92.28-95.51]	61 (85.92) [75.62-93.03]	0.82 (0.21-3.27)	0.776
Separated/widowed	27 (3.25) [2.25-4.69]	6 (8.45) [3.16-17.49]	0.35 (0.14-0.88)	0.026*
Education				
No formal education ^R	40 (4.82) [3.56-6.50]	5 (7.04) [2.33-15.67]	Ref	
Primary	52 (6.27) [4.81-8.12]	2 (2.82) [0.34-9.81]	1.17 (0.43-3.19)	0.758
Secondary	457 (55.06) [51.66-58.41]	34 (47.89) [35.88-60.08]	0.36 (0.08-1.55)	0.171
Tertiary	281 (33.86) [30.72-37.14]	30 (42.25) [30.61-54.56]	0.70 (0.42-1.16)	0.168
Parity				
None ^R	124 (14.94) [12.68-17.53]	23 (32.39) [21.76-44.55]	Ref	
< 3 children	442 (53.25) [49.85-56.62]	34 (47.89) [35.88-60.08]	3.50 (1.74-7.03)	0.001*
≥ 3 children	264 (31.81) [28.73-35.05]	14 (19.72) [11.22-30.86]	1.45 (0.76-2.75)	0.255
Malaria preventive methods				
Insecticidespray ^R	303 (36.51) [33.30-39.84]	25 (35.21) [24.24-47.46]	Ref	
Chemoprophylaxis	16 (1.93) [1.19-3.11]	2 (2.82) [0.34-9.81]	0.55 (0.21-1.42)	0.218
Any bed net	23 (2.77) [1.85-4.12]	4 (5.63) [1.56-13.80]	0.833 (0.15-4.57)	0.834
Insecticidetreated nets	421 (50.72) [47.33-54.11]	29 (40.85) [29.32-53.16]	1.16 (0.30-4.54)	0.832
Drinking traditional concoction	5 (0.60)	0 (0.0)	0.46 (0.18-1.17)	0.104

	[0.26-1.40]			
Keeping the environment neat and clean	22 (2.65) [1.76-3.98]	5 (7.04) [2.33-15.67]	0.0 (0.0)	
Others	40 (4.82) [3.56-6.50]	6 (8.45) [3.16-17.49]	1.52 (0.42-5.54)	0.530