

Annex 3: socio-demographic and clinical predictors of uptake of malaria intervention by SES using bivariate logistic regression (Unadjusted OR)

Variables	Low SES		OR (95% CI) p-value	Middle SES		OR (95 % CI) p-value	High SES		OR (95% CI) p-value
	Malaria intervention			Malaria intervention			Malaria intervention		
	Yes (n=102) Freq (%) [95%CI]	No (n=6) Freq (%) [95%CI]		Yes (n=647) Freq (%) [95%CI]	No (n=62) Freq (%) [95%CI]		Yes(n=8 1) Freq (%) [95%CI]	No (n=3) Freq (%) [95%CI]	
Maternal grouping									
Pregnant women ^R	54 (52.94) [42.80-62.90]	5 (83.33) [35.88-99.58]	<i>Ref</i>	282 (43.59) [41.35-48.10]	53 (85.82) [75.62-93.03]	<i>Ref</i>	35 (43.21) [32.24-54.69]	3 (100.0) [29.24-100.0]	<i>Ref</i>
Non pregnant mothers of under-5	48 (47.06) [37.10-57.20]	1 (16.67) [0.42-64.12]	4.44 (0.50-39.39) 0.180	365 (56.41) [51.90-58.65]	9 (14.52) [6.97-24.38]	7.62 (3.70-15.71) <i>0.001*</i>	46 (56.79) [45.31-67.76]	0 (0.0) [0.0-0.0]	0.00 (0.00) 0.999
Age group									
<24 ^R	25 (24.51) [16.53-34.02]	0 (0.0) [0.0-0.0]	<i>Ref</i>	100 (15.46) [13.57-18.55]	11 (17.74) [8.0-26.03]	<i>Ref</i>	7 (8.64) [3.55-17.0]	0 (0.0) [0.0-0.0]	<i>Ref</i>
25-34	67 (65.69) [55.63-74.81]	2 (33.33) [4.33-77.72]	0.00 (0.00) 0.998	434 (67.08) [64.70-71.04]	42 (67.74) [52.54-75.76]	1.38 (0.55-3.47) 0.492	63 (77.78) [67.17-86.27]	2 (66.67) [9.43-99.16]	0.00 (0.00) 0.999
35+	10 (9.80) [4.80-17.29]	4 (66.67) [22.28-95.67]	0.075 (0.01-0.46) <i>0.005*</i>	113 (17.47) [13.80-18.80]	9 (14.52) [11.22-30.86]	1.22 (0.57-2.57) 0.610	11 (13.58) [6.98-23.0]	1 (33.33) [0.84-90.57]	0.35 (0.03-4.19) 0.407
Marital status									
Never married ^R	2 (1.96) [0.24-6.90]	0 (0.0) [0.0-0.0]	<i>Ref</i>	16 (2.47) [1.76-3.98]	4 (6.45) [1.56-13.80]	<i>Ref</i>	4 (4.94) [1.36-12.16]	0 (0.0) [0.0-0.0]	<i>Ref</i>
Married	97 (95.10) [88.93-98.39]	5 (83.33) [35.88-99.58]	0.00 (0.00) 0.999	609 (94.13) [92.28-95.51]	53 (85.48) [75.62-93.03]	1.10 (0.25-4.76) 0.898	75 (92.59) [84.57-97.23]	3 (100.0) [29.24-100.0]	1.00 (0.00-0.008) 1.00
Separated widowed	3 (2.94) [0.61-8.36]	1 (16.67) [0.42-64.12]	0.16 (0.01-1.77) 0.133	22 (3.40) [2.25-4.69]	5 (8.06) [3.16-17.49]	0.38 (0.14-1.05) 0.063	2 (2.47) [0.30-8.64]	0 (0.0) [0.0-0.0]	0.364 (0.00-0.007) 0.999
Education									
No formal education ^R	6 (5.88) [2.19-12.36]	2 (33.33) [4.33-77.72]	<i>Ref</i>	30 (4.64) [3.56-6.50]	3 (4.84) [2.33-15.67]	<i>Ref</i>	4 (4.94) [1.36-12.16]	0 (0.0) [0.0-0.0]	<i>Ref</i>
Primary	5 (4.90) [1.61-11.07]	0 (0.0) [0.0-0.0]	5.17 (0.60-44.18) 0.134	42 (6.49) [4.81-8.12]	2 (3.23) [0.34-9.81]	0.80 (0.23-2.83) 0.733	5 (6.17) [2.03-13.82]	0 (0.0) [0.0-0.0]	0.00 (0.00) 0.999
Secondary	60 (58.82) [48.64-68.48]	2 (33.33) [4.33-77.72]	0.00 (0.0) 0.999	366 (56.57) [51.55-58.41]	31 (50.0) [35.88-60.08]	0.38 (0.087-1.68)	31 (38.27) [27.69-49.74]	1 (33.33) [0.84-90.57]	0.00 (0.00) 0.999

						0.202			
Tertiary	31 (30.39) [21.67-40.29]	2 (33.33) [4.33-77.72]	0.52 (0.07-3.85) 0.519	209 (32.30) [30.72-37.14]	26 (41.94) [30.61-54.56]	0.68 (0.39-1.18) 0.169	41 (50.62) [39.27-61.92]	2 (66.67) [9.43-99.16]	0.74 (0.057-7.63) 0.740
Parity									
None ^R	22 (21.57) [14.04-30.81]	1 (16.67) [0.42-64.12]	<i>Ref</i>	89 (13.76) [12.68-17.53]	20 (32.26) [21.76-44.55]	<i>Ref</i>	13 (16.05) [8.83-25.88]	2 (66.67) [9.43-99.16]	<i>Ref</i>
< 3 Children	47 (46.08) [36.16-56.23]	4 (66.67) [22.28-95.67]	1.50 (0.089-0.30) 0.778	355 (54.87) [49.85-56.62]	29 (46.77) [35.88-60.08]	3.51 (1.67-7.37) <i>0.001*</i>	40 (49.38) [38.08-60.73]	1 (33.33) [0.84-90.57]	0.12 (0.00-0.121) 0.998
3 or more children	33 (32.35) [23.42-42.34]	1 (16.67) [0.42-64.12]	2.81 (0.30-26.28) 0.365	203 (31.38) [28.73-35.05]	13 (20.97) [11.22-30.86]	1.28 (0.65-2.51) 0.481	28 (34.57) [24.34-45.96]	0 (0.0) [0.0-0.0]	0.14 (0.00-0.132) 0.998
Malaria preventive methods									
Insecticide spray ^R	30 (29.41) [20.80-39.25]	0 (0.0) [0.0-0.0]	<i>Ref</i>	242 (37.40) [33.30-39.84]	24 (38.71) [24.24-47.46]	<i>Ref</i>	31 (38.27) [27.69-49.74]	1 (33.33) [0.84-90.57]	<i>Ref</i>
Chemoprophylaxis	5 (4.90) [1.61-11.07]	0 (0.0) [0.0-0.0]	0.0 (0.0) 0.998	11 (1.70) [1.19-3.11]	2 (3.23) [0.34-9.81]	0.62 (0.22-1.73) 0.356	0 (0.0) [0.0-0.0]	0 (0.0) [0.0-0.0]	(0.0045) (0.00) 0.999
Any bed net	2 (1.96) [0.24-6.90]	1 (16.67) [0.42-64.12]	0.0 (0.0) 0.998	20 (3.09) [1.85-4.12]	3 (4.84) [1.56-13.80]	1.13 (0.19-6.67) 0.895	1 (1.23) [0.03-6.69]	0 (0.0) [0.0-0.0]	1.00 (0.00) 1.00
Insecticide Treated Nets	59 (57.84) [47.66-67.56]	4 (66.67) [22.28-95.67]	2.0 (0.08-51.59) 0.676	325 (50.23) [47.33-54.11]	24 (38.71) [29.32-53.16]	0.93 (0.20-4.33) 0.926	37 (45.68) [34.56-57.13]	1 (33.33) [0.84-90.57]	0.0007 (0.00) 0.999
Drinking traditional concoction	1 (0.98) [0.02-5.34]	0 (0.0) [0.0-0.0]	0.27 (0.24-3.03) 0.289	3 (0.46) [0.26-1.40]	0 (0.0)	0.46 (0.16-1.28) 0.138	1 (1.23) [0.03-6.69]	0 (0.0) [0.0-0.0]	1.00 (0.00) 0.999
Keeping the environment neat and clean	1 (0.98) [0.02-5.34]	0 (0.0) [0.0-0.0]	0.0 (0.0) 1.00	15 (2.32) [1.76-3.98]	4 (6.45) [2.33-15.67]	0.00 (0.00) 0.999	6 (7.41) [2.77-15.43]	1 (33.33) [0.84-90.57]	1.00 (0.00) 0.999
Others	4 (3.92) [1.08-9.74]	1 (16.67) [0.42-64.12]	0.0 (0.0) 1.00	31 (4.79) [3.56-6.50]	5 (8.06) [3.16-17.49]	1.65 (0.39-7.06) 0.497	5 (6.17) [2.03-13.82]	0 (0.0) [0.0-0.0]	0.0007 (0.00) 0.999