Table 3. Using Multivariate Logistic Regression Models, Predictors for

Predictor	Height-for-Age OR (95% CI)	Height-for-Age p	Weight-for-Age OR (95% CI)	Weight-for-Age p	Weight-for-Height OR (95% CI)	Weight-for-Height p	Body-Mass-Index OR (95% CI)	Body-Mass-Index p
Location								
LGA 1	1.0	-	1.0		1.0		1.0	
LGA 2	0.45 (0.40- 0.51	0.0001	0.55 (0.48-0.63)	0.0001	0.86 (0.72-1.02)	0.08	1.21 (1.00-1.46)	0.04
LGA 3	0.4 (0.35- 0.45)	0.0001	0.76 (0.67-0.87)	0.0003	1.4 (1.16-1.69)	0.0004	1.57 (1.26-1.95)	0.0004
Age (yrs)								
5-9	1.0		1.0		1.0		1.0	
10-14	1.5(1.39-1.72)	0.0001	1.13 (1.01-1.27)	0.02	72.46 (59.41-88.37)	0.0001	0.17 (0.13-0.22)	0.0001
Sex								
Male	1.0		1.0		1.0		1.0	
Female	0.8 (0.73-0.9)	0.0001	0.71 (0.64-0.79)	0.0001	8.07 (6.68-9.74)	0.0001	0.48 (0.40-0.57)	0.0001
Microfilariae								
No Infection	1.0		1.0		1.0		1.0	
Low Infection	1.06 (0.94-1.19)	0.3	0.96 (0.85-1.09)	0.5	0.95 (0.80-1.13)	0.5	0.86 (0.72-1.04)	0.1
High Infection	1.19 (0.90-1.57)	0.2	1.34 (1.01-1.77)	0.04	1.77 (1.19-2.62)	0.004	1.6 (0.94-2.72)	0.08
Nodules								
Absence	1.0		1.0		1.0		1.0	
Presence	1.14 (1.00-1.29)	0.03	1.14 (1.0-1.3)	.04	1.24 (1.03-1.49)	0.01	0.91 (0.75-1.1)	0.3
Vision								
Normal	1.0		1.0		1.0		1.0	
Impaired	0.97 (0.59-1.59)	0.9	1.04 (0.61-1.77).	0.8	3.08 (1.56-6.1).	0.001	0.39 (0.19-0.78)	0.008

NB. CI = Confidence Interval
OR = Odd Ratio
0 = < -2

Table. 2. Showing the Relationship between microfilarial load, nodules, visual acuity and nutritional status in children

		Body mass index (BMI		Height -for-Age	P	Weight-for-Age	P	Weight-for-Height p	
Microfilarial load									
Negative.	Analysis of variance	15.9 ± 2.1	0.0007	-1.6 ± 1.2	0.006	-1.5 ± 0.9**	0.005	-0.3 ± 1.1	0.02
Low (0.5-9.5)		16.1 ± 2.1*		-1.7 ± 1.2 *		-1.5 ± 0.		-0.2 ± 1.1 *	
High (≥10)		15.8 ± 2.		-1.8 ± 1.1		-1.7 ± 0.8		-0.4 ± 1.1	
Vision									
Normal	Analysis of variance	15.9 ± 2.1	0.08	-1.6 ± 1.2	0.9	-1.6 ± 1.2	0.9	-0.3 ± 1.1	0.4
Low		16.4 ± 3.2		-1.6 ± 1.7		-1.6 ± 1.7		-0.2 ± 1.6	
Nodules	Analysis of variance	15.9± 2.1	0.0001	-1.7± 1.2	0.002	-1.5 ± 0.8	0.003	-0.3± 1.10	0.05
Absence		16.9± 2.2		-1.2 ± 1.2		-1.2 ± 1.0		0.1± 1.0	
Presence									

N.B. Means ± one standard deviation are displayed.

Each analysis was adjusted for age, sex, and LGA of residence. In addition, the analysis of the effect of microfilarial load was adjusted for presence of nodules and visual acuity; the analysis of nodules was adjusted for microfilarial load and visual acuity; and the analysis for nodules was adjusted for microfilarial load and visual acuity.

* Low different from Negative

** High different from Negative.