

Characteristic	Validation cohort			P-value*
	All live-born infants (n=475)	Stunting available (n=426)	Stunting not available (n=49)	
<b>Infant at birth</b>				
<i>Demographic</i>				
Male sex, n (%)	263 (55.8%)	237 (56.0%)	26 (54.2%)	0.81
<i>Anthropometric</i>				
Mean Weight (grams) [SD]	3106 [453]	3106 [464]	3109 [339]	0.97
<i>Delivery</i>				
Mean Gestational age (weeks) [SD]	38.7 [3.1]	38.6 [3.2]	39.5 [2.6]	0.09
<b>Infant at 8 weeks post-birth</b>				
<i>Anthropometric</i>				
Mean Length (cm) [SD]	57.0 [2.6]	57.0 [2.6]	57.4 [2.4]	0.28
Mean Length for age z-score [SD]	-0.28 [1.1]	-0.28 [1.14]	-0.27 [1.0]	0.97
Stunting, n (%)	19 (4.0%)	18 (4.3%)	1 (2.1%)	0.47
<b>Infant at 6 months post-birth</b>				
<i>Anthropometric</i>				
Mean Weight (grams) [SD]	7844 [957]	7859 [956]	7700 [965]	0.31
Mean Length (cm) [SD]	67.0 [2.5]	67.1 [2.4]	66.8 [2.8]	0.57
Mean Length for age z-score [SD]	-0.31 [1.03]	-0.31 [1.03]	-0.34 [1.12]	0.83
Stunting, n (%)	22 (4.9%)	20 (4.9%)	2 (4.9%)	1.00
<i>Infections</i>				
Fever last 2 weeks, n (%)	142 (31.3%)	132 (32.0%)	10 (23.8%)	0.27
<i>Biochemical</i>				
Mean Haemoglobin (g/dL) [SD]*	10.2 [1.4]	10.2 [1.4]	10.0 [1.3]	0.31
<b>Infant at 3 years of age</b>				
<i>Anthropometric</i>				
Mean Weight (grams) [SD]	-	12816 [1494]	-	-
Mean Length (cm) [SD]	-	91.2 [3.4]	-	-
Mean Height for age z-score [SD]	-	-1.11 [0.88]	-	-
Stunting, n (%)	-	70 (16.4%)	-	-
<b>Maternal at 12 weeks of pregnancy (enrolment)</b>				
<i>Demographic</i>				
Mean Age (years) [SD]	26.0 [4.8]	26.1 [4.9]	25.6 [4.8]	0.52

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Mean Weight (kg) [SD]	47.7 [5.4]	47.8 [5.4]	47.0 [5.2]	0.32
Mean Height (cm) [SD]	153.3 [4.7]	153.5 [4.6]	152.2 [5.0]	0.08
Mean BMI (kg/m <sup>2</sup> ) [SD]	20.3 [2.1]	20.3 [2.1]	20.3 [2.1]	0.99
Mean MUAC (cm) [SD]	24.3 [2.1]	24.3 [2.2]	24.5 [2.0]	0.44
Highest education, n (%)				0.78
Primary school	87 (18.3%)	79 (18.6%)	8 (16.3%)	
Secondary school	306 (64.6%)	275 (64.7%)	31 (63.3%)	
University/College	81 (17.1%)	71 (16.7%)	10 (20.4%)	
Employment, n (%)				0.83
Farmer/Housewife	266 (56.0%)	238 (55.9%)	28 (57.1%)	
Factory worker/Trader	151 (31.8%)	137 (32.2%)	14 (28.6%)	
Government official/clerk	58 (12.2%)	51 (12.0%)	7 (14.3%)	
Type of supplement taken	N/A	N/A	N/A	-
Multigravida, n (%)	310 (65.3%)	276 (64.8%)	34 (69.4%)	0.52
<b>Maternal at 32 weeks of pregnancy</b>				
<i>Demographic</i>				
Mean Weight (kg) [SD]	54.2 [5.8]	54.3 [5.8]	53.2 [5.4]	0.26
Mean Weekly weight gain between enrolment and third trimester weight (grams) [SD]	400 [138]	401 [140]	396 [124]	0.86
<i>Biochemical</i>				
Mean Haemoglobin (g/dL) [SD] <sup>*</sup>	12.0 [1.5]	12.0 [1.4]	11.5 [1.6]	0.029
Median Ferritin (ug/L) {25 <sup>th</sup> – 75 <sup>th</sup> percentile}	11 {8-17}	11 {7-17}	11 {8-18}	0.50 <sup>†</sup>
<b>Maternal at 6 months post-birth</b>				
<i>Demographic</i>				
Mean Weight (kg) [SD]	48.3 [5.8]	48.4 [5.7]	47.6 [6.1]	0.42
Mean BMI (kg/m <sup>2</sup> ) [SD]	20.5 [2.2]	20.5 [2.2]	20.6 [2.3]	0.85
<b>Paternal at 12 months post-birth</b>				
<i>Demographic</i>				
Mean Weight (kg) [SD]	56.9 [7.3]	56.8 [7.3]	59.2 [6.4]	0.20
Mean Height (cm) [SD]	165.1 [5.8]	165.0 [5.8]	167.1 [4.6]	0.16
Mean BMI (kg/m <sup>2</sup> ) [SD]	20.9 [2.3]	20.8 [2.3]	21.2 [1.8]	0.57
Highest education, n (%)				0.21

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Primary school	73 (15.8%)	65 (15.7%)	8 (17.0%)	
Secondary school	319 (69.0%)	291 (70.1%)	28 (59.6%)	
University/College	70 (15.2%)	59 (14.2%)	11 (23.4%)	
Employment, n (%)				0.08
Farmer/Housewife	207 (43.7%)	188 (44.2%)	19 (38.8%)	
Factory worker/Trader	215 (45.4%)	195 (45.9%)	20 (40.8%)	
Government official clerk	52 (11.0%)	42 (9.9%)	10 (20.4%)	
<b>Household socio-economic status</b>				
Mean Wealth Index [SD]				0.88
Poorest	-2.9 [0.7]	-2.9 [0.8]	-2.7 [0.6]	
Poor	-1.2 [0.4]	-1.2 [0.4]	-1.0 [0.4]	
Middle	0.0 [0.4]	0.0 [0.4]	0.1 [0.3]	
Rich	1.4 [0.4]	1.4 [0.4]	1.6 [0.3]	
Richest	2.7 [0.3]	2.7 [0.3]	2.8 [0.2]	