Supplementary Table 1. Infant characteristics stratified by availability of infant length for age z scores at 6 months of age.

Early infant factors	Length for age z scores available at 6 months	Length for age z scores not available at 6 months
Neonatal factors		
Birthweight (grams)	3086.3 [568.2]	3155 [393.7]
Gestational age at	39.1 [2.0]	38.4 [3.07]
delivery (weeks)		
Male sex	53.3% (557/1045)	55.9% (71/127)
Child care practices		
Exclusive breast feeding	33.2% (344/1037)	35.1% (33/94)
at six weeks of age		
Use of formula at six	61.0% (633/1037)	55.8% (53/95)
weeks of age	,	` ,
Haematological status		
at six months of age		
Haemoglobin (g/dL)	110.3 [11.3]	113.7 [8.7]

Mean[SD] or percent (frequency) are presented.

Supplementary Table 2. Associations between maternal factors in early pregnancy and infant birth weight, grams (univariable and multivariable regression)

	Univariable regression		Multivariable regression ¹	
Maternal factors in early pregnancy	Coefficient (95% CI)	P value	Coefficient (95% CI)	P value
Demographic				
factors Maternal and (waste)	2 90 (0 00 to 9 76)	0.12		
Maternal age (years) Education	3.89 (-0.99 to 8.76)	0.12		
	Defenses		Deference	
Primary	Reference	- 0.02	Reference	-
Secondary	-76.7 (-144.5 to -9.04)	0.03	-78.8 (-144.5 to -13.0)	0.02
University	15.2 (-66.6 to 97.1)	0.72	37.9 (-40.6 to 116.5)	0.34
Gravidity				
Primigravida	Reference	-	Reference	
Multigravida	170.7 (120.1 to 221.3)	<0.001	176.3 (122.7 to 236.0)	<0.001
Nutritional and health status				
Height (cm)	19.75 (14.87 to 24.62)	< 0.001	20.1 (15.2 to 24.6)	< 0.001
Body mass index at enrolment (kg/m²)	38.8 (26.9 to 50.7)	<0.001	40.6 (29.0 to 52.1)	<0.001
Mid upper arm circumference enrolment (cm)	21.6 (13.8 to 29.5)	<0.001	30.5 (19.1 to 42.0)	<0.001
Depression on enrolment (EPDS)	-30.4 (-91.62 to 30.92)	0.33		
Antenatal practices	- 0 / 1- 00 / 1- 1-	. = .		
Change of diet when pregnant	-7.8 (-63.00 to 47.42)	0.78		
Meat intake during pregnancy at enrolment	-1.6 (-12.05 to 8.92)	0.77		
(no. times per week) Use of traditional supplements during pregnancy	-116.7 (-227.35 to -6.07)	0.04		
Micronutrient				
status Haemoglobin enrolment (per	-143 (-338 to 52)	0.15		
10g/dL) Ferritin enrolment	-13.4 (-47.10 to 20.21)	0.43		
$(\log_2 \text{ug/L})^2$ B12 enrolment $(\log_2 \text{pmol/L})^2$	-0.7 (-67.58 to 66.15)	0.98		
Folate enrolment $(\log_2 \text{ pmol/L})^2$	32.3 (-26.78 to 91.35)	0.28		

Model adjusted for maternal age, gravidity, gestational age at enrolment, trial intervention and infant

sex. $^2 \log_2$ transformed - regression coefficient represents mean change in infant birth weight associated with a two-fold change in ferritin, B12 or folate.

Supplementary Table 3. Associations between maternal factors in late pregnancy and infant birth weight, grams (univariable and multivariable regression).

	Univariable regression		Multivariable regression ¹	
Maternal factors in late pregnancy	Coefficient (95% CI)	P value	Coefficient (95% CI)	P value
Nutritional and				
health status Body mass index at 32 weeks gestation	49.6 (95% CI 38.3 to 60.9)	<0.001	51.1 (39.8 to 62.4)	<0.001
(kg/m²) Gestational weight gain (kg)	22.38 (13.43 to 31.34)	<0.001	24.8 (15.3 to 34.2)	<0.001
Depression at 32 weeks gestation (EPDS)	-90.40 (-164.86 to -15.95)	0.02		
Antenatal practices				
Change of diet at 32 weeks gestation	-45.66 (-103.54 to 12.22)	0.12		
Meat intake during pregnancy at 32 weeks gestation	-0.64 (-13.54 to 12.26)	0.92		
(no. times per week) Use of traditional supplements during pregnancy Micronutrient status	-0.65 (-194.41 to 193.11)	0.99		
Haemoglobin (per 10g/dL)	-269 (-468 to -70)	0.01	-268 (-459 to -76)	0.01
Ferritin $\log_2 \text{ug/L}$) ²	-58.40 (-95.44 to -21.35)	<0.001	-66.7 (-104.1 to -29.2)	0.001
Ferritin quartile (4-17ug/L) (n=276)	Reference	-	Reference	-
Ferritin quartile (18-28ug/L) (n=240)	9.9 (-58.1 to 77.9)	0.72	-4.2 (-70.4 to 62.0)	0.90
Ferritin quartile (29-42ug/L) (n=260)	-27.8 (-94.5 to 38.9)	0.41	-38.9 (-103.8 to 26.1)	0.24
Ferritin quartile (43-273ug/L) (n=243)	-90.6 (-158.4 to -22.8)	0.01	-106.4 (-174.9 to -38.0)	0.01
B12 $(\log_2 \text{pmol/L})^2$	-61.88 (-135.73 to 11.97)	0.10		
Folate $(\log_2 nmol/L)^2$	-20.13 (-83.98 - 43.72)	0.54		
Vitamin D (per 20nmol/L)	-0.47 (-1.60 to 0.65)	0.41		
Urinary iodine $(\log_2 \text{ug/L})^2$	-17.04 (-46.14 to 12.06)	0.25		

¹ Model adjusted for maternal age, gravidity, gestational age at enrolment, trial intervention, and infant sex

sex $^2 \log_2$ transformed - regression coefficient represents mean change in infant birth weight associated with a two-fold change in ferritin, B12, folate or iodine