

Electronic supplementary material

ESM Table 1 Unrotated factor loadings from the PCA

Variable	Factor 1	Factor 2	Factor 3
Mother's pre-pregnant size			
Height	0.30	0.78	–
Head size	0.38	0.60	–
Mid-arm size	0.83	–0.07	–
Subscapular skinfold thickness	0.82	–0.25	–
Triceps skinfold thickness	0.83	–0.29	–
Waist	0.76	–0.03	–
Hip	0.81	0.07	–
Interpretation	Greater overall size	Taller, less adipose	
Maternal macronutrient intake			
18 week energy	0.82	0.55	–0.10
28 week energy	0.82	–0.55	–0.07
18 week protein	0.80	0.54	–0.00
28 week protein	0.80	–0.54	–0.00
18 week fat	0.70	0.47	0.42
28 week fat	0.73	–0.46	0.35
18 week carbohydrate	0.77	0.52	–0.29
28 week carbohydrate	0.77	–0.52	–0.24
Interpretation	Greater overall intake	More at 18 weeks, less at 28	More fat, less carbohydrate
Maternal intake of micronutrient-rich foods			
18 week GLVs	0.49	–0.09	–0.39
28 week GLVs	0.48	0.15	–0.44
18 week fruit	0.64	0.08	–0.21
28 week fruit	0.69	0.17	–0.32
18 week non-veg	0.57	–0.60	0.36
28 week non-veg	0.57	–0.59	0.35
18 week dairy	0.42	0.58	0.46
28 week dairy	0.39	0.64	0.40
Interpretation	Greater overall intake	More dairy, less non-veg	More dairy and non-veg, less GLV/fruit

Maternal micronutrient status			
18 week vitamin B ₁₂	-0.21	0.29	-0.32
28 week vitamin B ₁₂	-0.19	0.38	-0.26
18 week folate	-0.16	-0.07	0.55
28 week folate	-0.21	-0.07	0.50
18 week MMA	0.22	0.50	0.24
28 week MMA	0.22	0.48	0.25
18 week tHcy	0.22	-0.24	-0.01
28 week tHcy	0.25	-0.20	-0.12
Interpretation	More B ₁₂ and folate; less tHcy and MMA	More MMA and B ₁₂ , less tHcy	More folate and MMA, less B ₁₂
Newborn size			
Weight	0.91	-0.12	-
Length	0.70	-0.42	-
Head size	0.72	-0.34	-
Abdominal size	0.82	-0.07	-
Mid-arm size	0.81	-0.19	-
Subscapular skinfold thickness	0.72	0.60	-
Triceps skinfold thickness	0.73	0.58	-
Interpretation	Greater overall size	Shorter, more adipose ^a	
6 year size and body composition			
Lean mass	0.51	0.77	-
Fat mass in legs	0.86	-0.46	-
Fat mass in trunk	0.84	-0.48	-
Height	0.67	0.61	-
Interpretation	Greater overall size, more adipose	Taller, more muscular, less adipose	

Newborn and 6 year body size and body composition variables were first adjusted for gestation and age, respectively

Variables were transformed to normality where appropriate; where a reciprocal transformation was used, the sign of the correlation given in the table has been reversed so as to agree with the direction of the association had the variable been untransformed

^a In Fig. 3 in the main text, newborn Factor 2 (F2, 'shorter, more adipose') has been changed to 'longer, less adipose', and the direction of the significant associations reversed accordingly, to make interpretation of the figure easier