Supplementary Table 1. Multivariable linear regression coefficients (Coef) with 95% confidence intervals (95% CI) for potential predictors of differences in height measurements (predicted BiB1000 height – predicted PCHR height)

HEIGHT	6 months		12 months		24 months	
	Coef (95% CI)	p value	Coef (95% CI)	p value	Coef (95% CI)	p value
Mean height (z-score)	0.54 (0.18, 0.89)	0.003	-0.39 (-0.86, 0.08)	0.11	0.05 (-0.37, 0.54)	0.74
Mean weight (z-score)	-0.40 (-0.82, 0.03)	0.06	0.17(-0.36, 0.70)	0.54	0.02 (-0.28, 0.31)	0.90
Ethnicity						
White British (reference)	0		0		0	
Pakistani	0.83 (0.09,1.57)	0.03	0.65 (-0.26, 1.56)	0.16	-0.08 (-0.37, 0.54)	0.72
Other	-0.34 (-1.48, 0.80)	0.55	-0.15 (-1.38, 1.09)	0.82	-0.28 (-0.98, 0.43)	0.44
Maternal education						
<5 GCSEs	0.18 (-0.75, 1.11)	0.70	-0.08 (-1.17, 1.00)	0.88	0.14 (-0.48, 0.76)	0.66
≥5 GCSEs (reference)	0		0		0	
A level	-0.19 (-1.25, 0.87)	0.72	-0.10 (-1.22, 1.02)	0.86	0.19 (-0.48, 0.76)	0.59
Degree	-0.13 (-0.98, 0.73)	0.77	0.10 (-0.97, 1.17)	0.86	-0.04 (-0.57, 0.50)	0.73
Other	0.43 (-1.04, 1.90)	0.44	-0.36 (-2.04, 1.33)	0.68	0.88 (0.07, 1.84)	0.07
Baby's sex						
Male (reference)	0		0		0	
Female	-0.26 (-0.93, 0.41)	0.44	0.25 (-0.55, 1.05)	0.54	0.05 (-0.38, 0.48)	0.81
Gestation						
≥37 weeks (reference)	0		0		0	
<37 weeks	-1.38 (-3.37, 0.62)	0.17	0.53 (-2.20, 3.09)	0.68	-0.03 (-1.26, 1.20)	0.96
Birth weight						
≥2.5kg (reference)	0		0		0	
<2.5kg	-0.13 (-1.93, 1.67)	0.89	0.32 (-1.64, 2.28)	0.75	-0.84 (-1.97, 0.28)	0.14
Sigma Coefficients (log)						
Diff in z-scores for length	0.22	0.19	-0.47	0.005	-0.02	0.85
Diff in z-scores for weight	-0.10	0.086	0.003	0.97	0.02	0.77

Multivariable linear regression coefficients (Coef) with 95% confidence intervals (95% CI) for potential predictors of differences in weight measurements (predicted BiB1000 weight – predicted PCHR weight)

WEIGHT	6 months		12 months		24 months	
	Coef (95% CI)	p value	Coef (95% CI)	p value	Coef (95% CI)	p value
Mean height (z-score)	0.02 (-0.02, 0.06)	0.42	0.005 (-0.05, 0.06)	0.87	0.01 (-0.07, 0.10)	0.62
Mean weight (z-score)	-0.02 (-0.07, 0.03)	0.41	0.05 (-0.02, 0.11)	0.15	-0.02 (-0.11, 0.06)	0.75
Ethnicity						
White British (reference)	0		0		0	
Pakistani	-0.09 (-0.18, 0.00)	0.051	0.06 (-0.05, 0.18)	0.30	-0.09 (-0.22, 0.04)	0.16
Other	-0.05 (-0.19, 0.08)	0.43	0.13 (-0.02, 0.28)	0.09	0.02 (-0.27, 0.11)	0.42
Maternal education						
<5 GCSEs	-0.07 (-0.18, 0.04)	0.23	-0.04 (-0.17, -0.09)	0.53	-0.02 (-0.15, 0.20)	0.78
≥5 GCSEs (reference)	0		0		0	
A level	-0.03 (-0.16, 0.10)	0.61	-0.18 (-0.31, -0.04)	0.014	-0.02 (-0.21, 0.16)	0.80
Degree	-0.10 (-0.20, 0.01)	0.69	-0.11 (-0.24, 0.02)	0.09	-0.07 (-0.22, 0.08)	0.34
Other	-0.11 (-0.28, 0.07)	0.22	-0.14 (-0.36, 0.07)	0.18	0.17 (-0.10, 0.44)	0.21
Baby's sex						
Male (reference)	0		0		0	
Female	0.06 (-0.02, 0.14)	0.15	-0.02 (-0.12, 0.08)	0.73	0.06 (-0.06, 0.17)	0.36
Gestation						
≥37 weeks (reference)	0		0		0	
<37 weeks	-0.82 (-1.01, -0.64)	<0.0001	0.64 (0.36, 0.93)	<0.001	-0.02 (-0.36, 0.32)	0.90
Birth weight						
≥2.5kg (reference)	0		0		0	
<2.5kg	0.32 (0.12, 0.53)	0.002	0.07 (-0.18, 0.33)	0.57	-0.24 (-0.55, 0.06)	0.12
Sigma Coefficients (log)						
Diff in z-scores for length	0.48	0.005	-0.47	0.005	-0.18	0.11
Diff in z-scores for weight	0.03	0.59	0.003	0.97	0.23	0.0001