

Table 3. Anthropometry, body composition, and brain MRI outcomes				
	Intervention	Control	Unadjusted difference (95% CI)	Adjusted difference [‡] (95% CI)
	Mean (SD)			
Anthropometry, z-scores*				
Weight	N=65	N=65		
At study diet start	-0.54 (0.64)	-0.55 (0.51)	0.00 (-0.20, 0.21)	-0.02 (-0.12, 0.09)
At study diet end	-0.58 (0.75)	-0.64 (0.73)	0.06 (-0.20, 0.31)	0.02 (-0.15, 0.19)
Change from study diet start to end	-0.04 (0.49)	-0.09 (0.46)	0.05 (-0.11, 0.22)	0.05 (-0.12, 0.21)
At discharge/transfer	-0.57 (0.82)	-0.70 (0.80)	0.12 (-0.16, 0.41)	0.08 (-0.15, 0.30)
Change from start to discharge/transfer	-0.03 (0.59)	-0.15 (0.56)	0.12 (-0.09, 0.32)	0.11 (-0.09, 0.32)
Length	N=64	N=65		
At study diet start	-0.27 (0.84)	-0.25 (0.82)	-0.02 (-0.31, 0.26)	-0.03 (-0.19, 0.14)
At study diet end	-0.67 (0.79)	-0.75 (0.89)	0.09 (-0.20, 0.38)	0.05 (-0.14, 0.25)
Change from study diet start to end	-0.40 (0.47)	-0.51 (0.47)	0.11 (-0.06, 0.27)	0.11 (-0.05, 0.27)
At discharge/transfer	-0.73 (0.88)	-0.92(0.98)	0.19 (-0.14, 0.52)	0.15 (-0.11, 0.40)
Change from start to discharge/transfer	-0.44 (0.67)	-0.68 (0.60)	0.24 (0.02, 0.47)	0.25 (0.03, 0.48)
Head circumference	N=64	N=65		
At study diet start	-0.89 (0.73)	-0.93 (0.74)	0.04 (-0.21, 0.30)	0.01 (-0.18, 0.20)
At study diet end	-0.60 (1.15)	-0.65 (1.12)	0.05 (-0.34, 0.45)	0.02 (-0.32, 0.36)
Change from study diet start to end	0.29 (1.05)	0.28 (0.78)	0.01 (-0.31, 0.34)	0.01 (-0.31, 0.33)
At discharge/transfer	-0.24 (0.79)	-0.42 (0.92)	0.19 (-0.12, 0.49)	0.16 (-0.10, 0.43)
Change from start to discharge/transfer	0.67 (0.60)	0.51 (0.71)	0.16 (-0.07, 0.40)	0.17 (-0.06, 0.41)
Body composition, z-scores [†]				
Fat-free mass	N=55	N=52		
Fat mass	-0.74 (1.24)	-0.86 (1.12)	0.12 (-0.33, 0.58)	0.15 (-0.17, 0.47)
Fat mass	1.48 (1.35)	1.49 (1.13)	-0.01 (-0.49, 0.47)	-0.04 (-0.49, 0.41)
Body fat percent	1.72 (1.32)	1.79 (1.11)	-0.07 (-0.54, 0.40)	-0.10 (-0.57, 0.37)
PMA at body composition assessment	37.44 (2.25)	36.92 (1.56)	0.52 (-0.22, 1.26)	0.45 (-0.25, 1.14)
Brain MRI				
Total brain volume, cc	N=51	N=42		
Total brain volume, cc	326 (37)	319 (41)	7 (-9, 23)	7 (-5, 18)
FA PLIC, average of right and left	0.22 (0.2)	0.22 (0.2)	0 (-0, 0)	-0 (0, 0)
PMA at brain MRI	38.47 (1.23)	38.40 (0.95)	0.07 (-0.39, 0.53)	0.00 (-0.44, 0.43)

Intention to treat analyses. Anthropometry assessed at study diet end or 36 weeks of postmenstrual age (PMA) or at discharge/transfer if occurred before 36 weeks of PMA. Body composition assessed with air displacement plethysmography (ADP) at study diet end or at discharge/transfer if unable to undergo ADP at study diet end. Brain MRI performed at discharge/transfer. FA PLIC is fractional anisotropy of the posterior limb of the internal capsule, an indicator of white matter maturity. Bold face indicates that 95% confidence intervals exclude the null hypothesis.

*Fenton 2013 reference †Norris 2019 reference

‡Adjusted for gestational age, birth weight z-score, PMA at assessment (change variables not adjusted for PMA)