

Appendix 1: Psychosocial Outcomes in Later Childhood of Weight Faltering between 8 weeks to 9 months

Age (yrs)	Psychosocial Outcome	Weight Faltering between 8 weeks to 9 months						Adjusted OR ^a (95% CI's)
		Case			Control			
		N	Median/ Proportion	IQR/ %	N	Median/ Proportion	IQR/ %	
6	Behavioral Difficulties Score /40	264	7	4-10	5878	7	4-10	0.99 (0.78 to 1.27)
7	Behavioral Difficulties Score /40	205	4	2-8	5094	4	2-9	1.12 (0.81 to 1.55)
	Mental Health (teacher report)							
	<i>Attention/ activity symptoms score /38</i>	207	4	0-9	5094	3	0-10	1.12 (0.81 to 1.55)
	<i>Awkward/troublesome behavior score /40</i>	205	0	0-1	5092	0	0-2	0.98 (0.65 to 1.47)
	Mental Health (parent report)							
	<i>General anxieties score /14</i>	297	0	0-2	6869	0	0-2	0.83 (0.66 to 1.04)
	<i>General anxiety symptoms score /12</i>	294	0	0-1	6841	0	0-1	0.86 (0.66 to 1.13)
	<i>Mood symptoms score /12</i>	290	0	0-0	6763	0	0-0	1.29 (0.91 to 1.82)
	<i>Attention/activity symptoms score /36</i>	293	3	0-7	6864	2	0-7	1.00 (0.78 to 1.30)
	<i>Awkward behaviours score /18</i>	295	0	0-2	6821	0	0-1	1.11 (0.82 to 1.49)
	<i>Troublesome behaviours score /14</i>	294	0	0-1	6839	0	0-1	1.03 (0.76 to 1.40)
	Social Cognition score /24	294	2	0-4	6825	2	0-4	1.04 (0.80 to 1.35)
8	Attention							
	<i>Selective attention score (Range -0.4 to 46.6)</i>	265	4.9	4.2-5.8	5767	4.9	4.1-5.9	1.08 (0.84 to 1.38)
	<i>Dividing attention score (Range -1.0 to 270.9)</i>	247	2.0	0.4-5.7	5259	2.1	0.5-5.6	0.94 (0.75 to 1.19)
	<i>Attentional control-Same worlds task (Seconds)</i>	266	12.5	11.0-14.5	5787	12.5	11.0-14.5	0.91 (0.73 to 1.13)
	<i>Attentional control-Opposite worlds task (Seconds)</i>	266	16.5	14.5-18.5	5783	16.5	14.5-19.5	0.84 (0.69 to 1.08)
	Friends score /15	265	3	1-4	5723	3	2-5	0.94 (0.76 to 1.17)
	Bullying status							
	<i>Victim of direct bullying</i>	262	85/262	32.4%	5707	1956/5707	34.3%	0.96 (0.73 to 1.27)
	<i>Victim of indirect bullying</i>	254	40/254	15.8%	5574	918/5574	16.5%	0.95 (0.66 to 1.37)
	≥ 2 Anti-social Activities	265	17/265	6.4%	5720	429/5720	7.5%	0.91 (0.54 to 1.53)
	≥7 errors on Non Verbal Accuracy task	254	64/254	25.2%	5455	1214/5455	22.3%	1.12 (0.82 to 1.54)
	Self-esteem							
	<i>Scholastic competence score /24</i>	249	17	14-19	5583	17	15-20	0.76 (0.60 to 0.97)
	<i>Global self-worth score /24</i>	250	19	16-22	5576	20	17-22	0.86 (0.68 to 1.09)
9	Depression score /26	289	2	0-4	6522	2	0-4	1.01 (0.78 to 1.32)
10	Depression score /26	272	3	1-6	5858	3	1-6	1.15 (0.91 to 1.46)
11	Attention							
	<i>Selective attention score (Range -1.9 to 25.7)</i>	270	3.3	2.8-4.0	5637	3.4	2.8-4.1	1.09 (0.84 to 1.41)
	<i>Dividing attention score (Range -7.2 to 186.5)</i>	265	0.4	-0.3-1.6	5586	0.4	-0.3-1.5	0.89 (0.69 to 1.14)
	<i>Attentional control-Same worlds task (Seconds)</i>	264	10.0	8.5-11.0	5434	10.0	9.0-11.0	1.01 (0.79 to 1.30)
	<i>Attentional control-Opposite worlds task (Seconds)</i>	264	12.0	11.0-14.0	5432	12.5	11.0-14.0	0.92 (0.72 to 1.18)

Note: In all the numerical outcomes, a higher score equates to a worse outcome except for self-esteem scores where a higher score indicates better self-esteem. For all univariate and multivariate results in this table, $p > 0.01$.

^a Adjusted for (1) Potential confounders for psychosocial outcomes: gender, the child's IQ, maternal education, housing tenure, maternal smoking, home facilities score, paternal socio-economic status, family adversity index, parenting attitudes at 6 months; and (2) Potential confounders for infant growth between 6-8 weeks and 9 months: time between weight measurements, maternal height, family size, infant health before weight measurement, breastfeeding duration and feeding difficulties (refusing non-breast milk and taking too small a quantity) in the first months of life.

Appendix 2: Psychosocial Outcomes in Later Childhood of Weight Faltering between Birth to 9 months

Age (yrs)	Psychosocial Outcome	Weight Faltering between Birth to 9 months						Adjusted OR ^a (95% CI's)
		Case			Control			
		N	Median/ Proportion	IQR/ %	N	Median/ Proportion	IQR/ %	
6	Behavioral Difficulties Score /40	276	7	4-11	5866	7	4-10	1.06 (0.83-1.35)
7	Behavioral Difficulties Score /40	229	5	1-9	5070	4	2-9	0.90 (0.65 to 1.23)
	Mental Health (teacher report)							
	<i>Attention/ activity symptoms score /38</i>	231	4	1-11	5070	3	0-10	1.03 (0.76 to 1.40)
	<i>Awkward/troublesome behavior score /40</i>	229	0	0-1	5068	0	0-2	0.92 (0.65 to 1.23)
	Mental Health (parent report)							
	<i>General anxieties score /14</i>	304	0	0-2	6862	0	0-2	0.87 (0.69 to 1.10)
	<i>General anxiety symptoms score /12</i>	301	0	0-2	6834	0	0-1	0.99 (0.76 to 1.28)
	<i>Mood symptoms score /12</i>	301	0	0-0	6752	0	0-0	1.15 (0.81 to 1.64)
	<i>Attention/activity symptoms score /36</i>	299	2	0-7	6858	2	0-7	0.85 (0.66 to 1.11)
	<i>Awkward behaviours score /18</i>	302	0	0-2	6814	0	0-1	0.94 (0.70 to 1.27)
	<i>Troublesome behaviours score /14</i>	301	0	0-1	6832	0	0-1	1.11 (0.83 to 1.50)
	Social Cognition score /24	301	2	0-4	6818	2	0-4	0.94 (0.73 to 1.22)
8	Attention							
	<i>Selective attention score (Range -0.4 to 46.6)</i>	278	4.9	4.1-5.8	5754	4.9	4.1-5.9	1.02 (0.79 to 1.30)
	<i>Dividing attention score (Range -1.0 to 270.9)</i>	256	2.0	0.5-5.6	5250	2.1	0.5-5.6	0.93 (0.74 to 1.17)
	<i>Attentional control-Same worlds task (Seconds)</i>	279	12.5	11.5-14.5	5774	12.5	11.0-14.5	1.02 (0.82 to 1.27)
	<i>Attentional control-Opposite worlds task (Seconds)</i>	279	16.5	14.5-19.0	5770	16.5	14.5-19.5	0.87 (0.70 to 1.08)
	Friends score /15	275	3	2-4	5713	3	2-5	0.93 (0.74 to 1.17)
	Bullying status							
	<i>Victim of direct bullying</i>	274	92/274	34%	5695	1949/5695	34%	1.05 (0.80 to 1.37)
	<i>Victim of indirect bullying</i>	264	47/264	18%	5564	911/5564	16%	1.08 (0.77 to 1.52)
	≥ 2 Anti-social Activities	277	17/277	6%	5708	429/5708	8%	0.91 (0.54 to 1.53)
	≥7 errors on Non Verbal Accuracy task	260	76/260*	29%	5449	1202/5449	22%	1.34 (0.99 to 1.81)
	Self-esteem							
	<i>Scholastic competence score /24</i>	263	16	14-19	5569	17	15-20	0.81 (0.64 to 1.01)
	<i>Global self-worth score /24</i>	263	19	16-22	5563	20	17-22	0.86 (0.68 to 1.09)
9	Depression score /26	290	1	0-3	6521	2	0-4	0.81 (0.62 to 1.05)
10	Depression score /26	264	4	1-6	5866	3	1-6	1.25 (0.92 to 1.60)
11	Attention							
	<i>Selective attention score (Range -1.9 to 25.7)</i>	268	3.3	2.7-4.0	5639	3.4	2.8-4.1	0.93 (0.71 to 1.20)
	<i>Dividing attention score (Range -7.2 to 186.5)</i>	263	0.4	-0.3-1.7	5588	0.4	-0.3-1.5	0.93 (0.73 to 1.18)
	<i>Attentional control-Same worlds task (Seconds)</i>	257	10	9-11	5441	10	9-11	0.93 (0.73 to 1.19)
	<i>Attentional control-Opposite worlds task (Seconds)</i>	257	12.0	11.0-13.5	5439	12.5	11.0-14.0	0.79 (0.62 to 1.01)

Note: In all the numerical outcomes, a higher score equates to a worse outcome except for the self-esteem scores where a higher score indicates better self-esteem.

^a Adjusted for (1) Age of the child at testing (not for SEN status) (2) Potential confounders for educational outcomes: maternal education, paternal socio-economic class, housing tenure, use of a car, family size, birth-weight, breastfeeding, hospital admissions over childhood; and (3) Potential confounders for infant growth between birth and 9 months: time between weight measurements, maternal height, maternal BMI, and feeding difficulties (refusing non-breast milk and taking too small a quantity) in the first months of life.

* p<0.01 on Univariate