

Table Number of children with abnormal scores for various outcomes measures

Behaviour outcome measure	Cut off for abnormal score <sup>1</sup> male/female	< 2000g n(%)	>3000g n(%)	OR (95% CI) Unadjusted	$\chi^2$ p value	OR (95% CI) adjusted for parental factors <sup>2</sup>	Logistic regression p value
<b>CBCL</b>							
Withdrawn	3.0/4.0	13 (10)	8 (6)	1.6 (0.7 to 4)	0.3	1.5 (0.6 to 4)	0.4
Somatic complaints	3.0/3.8	10 (8)	8 (6)	1.2 (0.5 to 3)	0.6	1.2 (0.5 to 3)	0.7
Anxious/ depressed	5.1/8.8	23 (18)	11 (9)	2.3 (1.1 to 5)	0.03	2.3 (1.1 to 5)	0.04
Social problems	2.0/4.0	33 (25)	8 (6)	5.1 (2.3 to 12)	0.001	4.6 (2 to 11)	0.001
Thought problems	1.0/0.8	9 (7)	3 (2)	3.1 (0.8 to 12)	0.08	3.1 (0.8 to 13)	0.08
Attention problems	6.0/4.0	33 (25)	8 (6)	5.1 (2.2 to 12)	0.001	4.3 (1.9 to 10)	0.001
Delinquent behaviour	3.0/2.0	16 (12)	6 (5)	2.8 (1.1 to 7.5)	0.03	1.6 (0.7 to 4)	0.3
Aggressive behaviour	12/9.6	16 (12)	10 (8)	1.7 (0.7 to 4)	0.2	1.6 (1.1 to 7)	0.6
ASDI	35/34	33 (26)	18 (14)	2.3 (1.1 to 4)	0.01	2.0 (0.9 to 4)	0.06
<b>YCI</b>							
Attention	21/19	32 (25)	9 (7)	4.4 (2.0 to 10)	0.0001	3.4 (1.5 to 8)	0.003
Adaptability	10/9	33 (26)	8 (6)	5.2 (2.3 to 12)	0.0001	5.2 (2.3 to 12)	0.0001
Impulsivity	14/12	34 (27)	9 (7)	4.3 (2.0 to 9)	0.0001	4.1 (1.9 to 8)	0.0001
Activity	6/5	17 (13)	8 (6)	2.3 (1.0 to 5)	0.06	2.1 (0.9 to 5)	0.09
<b>TRF</b>							
Withdrawn	2.6/3.4	19 (17)	8 (7)	2.5 (1 to 6)	0.03	2.3 (0.9 to 7)	0.07
Somatic complaints	1.6/2.0	7 (10)	4 (4)	2.8 (0.8 to 9)	0.07	2.6 (0.7 to 11)	0.13
Anxious/ depressed	7.6/6.0	19 (17)	8 (7)	2.6 (1.1 to 6)	0.03	2.4 (0.9 to 6)	0.07
Social problems	4.0/4.0	29 (26)	7 (7)	5.1 (2.1 to 12)	0.001	4.1 (1.7 to 10)	0.02
Thought problems	0/ 0.4	24 (22)	9 (8)	3.0 (1.3 to 6.9)	0.006	2.3 (0.9 to 6)	0.06

Attention problems	19.6/10.4	23 (21)	9 (8)	2.9 (1.2 to 7)	0.009	2.3 (1.0 to 5)	0.05
Delinquent behaviour	2.6/0.0	27 (24)	8 (7)	4.0 (1.7 to 9)	0.001	4.0 (1.6 to 11)	0.02
Aggressive behaviour	14.0/9.4	19 (17)	9 (8)	2.3 (1.0 to 5)	0.05	1.8 (0.8 to 4)	0.18
CAS							
School	2.0/2.8	22 (17)	6 (5)	4.4 (1.7 to 11)	0.01	3.5 (1.3 to 9)	0.01
Friends	1.0/1.0	7 (6)	7 (6)	1.0 (0.4 to 3.0)	0.98	1.0 (0.3 to 3)	0.96
Activities	0.0/0.0	18 (14)	5 (4)	4.0 (1.4 to 11)	0.005	5.2 (1.5 to 19)	0.01
Family	3.0/3.0	17 (14)	8 (6)	2.3 (1.0 to 6)	0.048	2.3 (0.9 to 6)	0.08
Fear-worries	2.0/3.0	7 (6)	5 (4)	1.5 (0.5 to 5)	0.5	1.8 (0.5 to 7)	0.35
Anxiety	2.2/3.0	20 (16)	9 (7)	2.5 (1.1 to 6)	0.03	2.4 (1.1 to 6)	0.05
Self-esteem	2.0/3.0	17 (14)	6 (5)	3.1 (1.2 to 8)	0.01	3.2 (1.1 to 9)	0.03
Behaviour – mood	0.0/0.0	19 (15)	11 (8)	2.1 (0.9 to 4.8)	0.07	1.9 (0.8 to 4)	0.13
Somatic complaints	2.0/2.8	12 (10)	7 (6)	1.8 (0.7 to 5)	0.2	1.5 (0.6 to 4)	0.4
Aggressive behaviour	2.0/1.0	27 (22)	10 (8)	3.2 (1.5 to 7)	0.002	3.1 (1.4 to 7)	0.005
Thought problems	0.0/0.0	4 (3)	0				
Abnormal							
Total Problem Score <sup>3,4</sup>	4.0/4.0	40 (40)	7 (7)	8,4 (3.5 to 20)	0.0001	8.2 (3.1 to 25)	0.0001

Odds ratios (OR) are presented crude, and adjusted for confounding parental factors.

<sup>1</sup> Score higher than 90 percentile for controls of same sex.

<sup>2</sup> Adjusted for paternal education, maternal education, childrearing practice (nurturance), smoke in pregnancy.

<sup>3</sup> 14/41 VLBW vs 26/61 LBW (>1500g) had abnormal Total Problem Score (OR: 1,3, 95% CI 0,6 to 2,9, p=0.54).

<sup>4</sup> OR adjusted for parental factors and child IQ, OR: 7,9, 95% CI 3,0 to 23, p=0.0001.