

## Data supplement

Table DS1 Child, maternal and social predictors of body dissatisfaction, weight and shape concern and pressure to lose weight at age 14 years

	Linear regression coefficient (95% CI)					
	Body dissatisfaction		Weight and shape concern		Pressure to lose weight	
	Girls (n=1786)	Boys (n=1552)	Girls (n=1786)	Boys (n=1551)	Girls (n=2137)	Boys (n=1543)
<i>Univariable analyses</i>						
<b>Child</b>						
Body dissatisfaction (age 10 years)	3.35*** (2.94, 3.76)	2.14*** (1.70, 2.60)	0.76*** (0.66, 0.86)	0.41*** (0.32, 0.50)	0.76*** (0.65, 0.86)	0.55*** (0.46, 0.63)
BMI z-scores (age 10 years)	2.42*** (2.19, 2.65)	1.57*** (1.33, 1.80)	0.57*** (0.51, 0.62)	0.32*** (0.27, 0.36)	0.58*** (0.52, 0.63)	0.39*** (0.34, 0.43)
Self-esteem (age 8 years)	-0.15*** (-0.25, -0.06)	-0.21*** (-0.30, -0.12)	-0.02* (-0.04, 0.01)	-0.02*** (-0.04, -0.00)	-0.02 (-0.04, 0.01)	-0.02*** (-0.03, -0.01)
<b>Maternal</b>						
Maternal lifetime eating disorder	-0.58 (-2.93, 1.75)	-0.10 (-2.16, 1.95)	0.10 (-0.47, 0.68)	0.20 (-0.22, 0.62)	-0.35 (-0.94, 0.22)	-0.14 (-0.55, 0.26)
Anorexia nervosa	0.92 (-0.77, 2.62)	1.00 (-0.86, 2.83)	-0.05 (-0.46, 0.36)	-0.02 (-0.37, 0.40)	-0.05 (-0.48, 0.37)	0.09 (-0.26, 0.45)
Bulimia nervosa	3.17* (0.03, 6.35)	1.68 (-1.32, 4.68)	1.28*** (0.49, 2.07)	0.65* (0.03, 1.27)	0.11 (-0.68, 0.91)	0.05 (-0.51, 0.61)
<b>Family economic disadvantage</b>						
<b>Financial problems</b>						
Early (age 0–5 years)	0.98*** (0.27, 1.70)	0.88* (0.17, 1.59)	0.20* (0.02, 0.38)	0.08 (-0.06, 0.23)	0.13*** (-0.05, 0.31)	0.01 (-0.12, 0.15)
Late (age 6–10 years)	1.06* (0.14, 1.98)	0.89* (0.02, 1.75)	0.29*** (0.06, 0.52)	0.31*** (0.12, 0.49)	0.45*** (0.22, 0.69)	0.25*** (0.07, 0.42)
<i>Multivariable analyses<sup>a</sup></i>						
Body dissatisfaction (age 10 years)	1.42*** (0.75, 2.10)	-0.23 (-0.90, 0.43)	0.29*** (0.13, 0.46)	0.04 (-0.10, 0.18)	0.24*** (0.10, 0.39)	0.11 (-0.2, 0.24)
BMI z-scores (age 10 years)	0.28 (-0.31, 0.87)	-0.002 (-0.59, 0.58)	0.05 (-0.09, 0.20)	0.07 (-0.04, 0.20)	0.20*** (0.07, 0.34)	0.05 (-0.05, 0.17)
Body dissatisfaction x BMI z-scores (age 10 years)	0.90*** (0.50, 1.30)	1.76*** (1.40, 2.13)	0.21*** (0.11, 0.31)	0.26*** (0.18, 0.33)	0.08 (-0.01, 0.17)	0.22** (0.15, 0.29)
Self-esteem	-0.14*** (-0.24, -0.03)	-0.16*** (-0.25, -0.01)	-0.01 (-0.03, 0.02)	-0.02* (-0.04, -0.00)		-0.20* (-0.03, 0.00)
<b>Maternal lifetime eating disorder</b>						
Anorexia nervosa	-0.34 (-3.70, 3.00)		0.13 (-0.69, 0.95)	0.33 (-0.17, 0.83)		
Bulimia nervosa	1.49 (-0.93, 3.91)		-0.10 (-0.70, 0.49)	0.11 (-0.35, 0.57)		
Anorexia and bulimia	5.63*** (1.83, 9.42)		1.96*** (1.03, 2.90)	0.54 (-0.18, 1.26)		
<b>Financial problems</b>						
Early	0.46 (-0.40, 1.33)	0.78 (-0.1, 1.63)	0.10 (-0.11, 0.31)	0.06 (-0.12, 0.24)	0.10 (-0.09, 0.30)	0.05 (-0.11, 0.21)
Late	-0.38 (-1.51, 0.74)	0.44 (-0.57, 0.87)	0.03 (-0.24, 0.31)	0.16 (-0.06, 0.38)	0.28* (0.02, 0.54)	0.09 (-0.10, 0.29)

BMI, body mass index.  
a. Adjusted for maternal age at enrollment, parental social class and adolescent BMI at age 14 years, obtained from multiple imputation.

\* $P \leq 0.05$ ; \*\* $P \leq 0.001$ ; \*\*\* $P \leq 0.0001$ ; \*\*\*\* $P \leq 0.1$ .

**Table DS2** Child, maternal and social predictors of dieting, bingeing and purging at age 14 years

	Odds ratio (95% CI)					
	Dieting		Bingeing		Purging	
	Girls (n=2182)	Boys (n=1703)	Girls (n=1934)	Boys (n=1842)	Girls (n=2212)	Boys (n=1576)
<i>Univariable analyses</i>						
<b>Childhood factors</b>						
Body dissatisfaction (age 10 years)	2.26*** (2.00, 2.56)	2.80*** (2.29, 3.40)	1.50* (1.24, 1.82)	1.10 (0.77, 1.56)	1.47*** (1.06, 2.05)	2.06*** (1.04, 4.08)
BMI z-scores (age 10 years)	1.87*** (1.73, 2.01)	2.62*** (2.31, 2.97)	1.44* (1.27, 1.63)	1.24*** (1.02, 1.49)	1.28*** (1.03, 1.59)	1.80*** (1.19, 2.74)
Self-esteem (age 8 years)	1.00 (0.97, 1.03)	0.97 (0.93, 1.01)	0.94*** (0.91, 0.99)	0.95 (0.89, 1.01)	0.95 (0.01, 0.26)	0.82*** (0.72, 0.95)
<b>Maternal lifetime eating disorder</b>						
Anorexia nervosa	1.48 (0.81, 2.68)	0.33 (0.08, 1.4)	0.32 (0.04, 2.37)	0.59 (0.08, 4.40)	1.10 (0.14, 8.14)	3.37 (0.43, 26.25)
Bulimia nervosa	0.81 (0.51, 1.27)	1.00 (0.45, 2.23)	0.87 (0.34, 2.18)	0.98 (0.23, 4.10)	0.56 (0.08, 4.17)	2.71 (0.35, 21.01)
Anorexia and bulimia	0.91 (0.40, 2.01)	4.49*** (1.84, 10.95)	1.90 (0.56, 6.42)	1.31 (0.17, 9.87)	2.10 (0.28, 15.89)	
<b>Family economic disadvantage</b>						
<b>Financial problems</b>						
Early (age 0–5 years)	1.07 (0.89, 1.28)	1.28*** (0.94, 1.71)	1.57*** (1.13, 2.17)	2.20*** (1.34, 3.61)	1.19 (0.67, 2.11)	1.59 (0.55, 4.54)
Late (age 6–10 years)	1.15 (0.91, 1.45)	1.62*** (1.16, 2.27)	1.50 (0.99, 2.27)	2.19*** (1.22, 3.93)	1.37 (0.69, 2.75)	2.07 (0.66, 6.47)
<i>Multivariable analyses<sup>a</sup></i>						
<b>Body dissatisfaction (age 10 years)</b>						
Body dissatisfaction (age 10 years)	1.36*** (1.12, 1.66)	1.16 (0.74, 1.81)	1.31 (0.90, 1.91)	0.83 (0.53, 1.31)	0.80 (0.48, 1.33)	3.3 (0.8, 13.0)
BMI z-scores (age 10 years)	1.36*** (1.16, 1.60)	1.80*** (1.33, 2.44)	0.98 (0.70, 1.38)	0.83 (0.53, 1.31)	0.81 (0.50, 1.30)	0.85 (0.23, 3.17)
<b>Body dissatisfaction x BMI z-scores (age 10 years)</b>						
Body dissatisfaction x BMI z-scores (age 10 years)	0.97 (0.85, 1.10)	1.10 (0.88, 1.38)	0.95 (0.76, 1.20)	1.32*** (1.10, 1.61)	1.28*** (1.02, 1.61)	0.94 (0.43, 2.04)
<b>Self-esteem (age 8 years)</b>						
Self-esteem (age 8 years)			0.96 (0.91, 1.01)			0.81*** (0.68, 0.96)
<b>Maternal lifetime eating disorder</b>						
<b>Anorexia nervosa</b>						
Anorexia nervosa		0.41 (0.09, 1.81)				
<b>Bulimia nervosa</b>						
Bulimia nervosa		0.88 (0.31, 2.49)				
<b>Anorexia and bulimia</b>						
Anorexia and bulimia		4.98*** (1.54, 16.1)				
<b>Financial problems</b>						
<b>Early</b>						
Early		1.10 (0.71, 1.70)	1.48 (0.95, 2.28)	2.25*** (1.22, 4.14)		
<b>Late</b>						
Late		1.42 (0.88, 2.28)	1.06 (0.57, 1.97)	1.95 (0.93, 4.10)		
BMI, body mass index.						
a. Adjusted for maternal age at enrolment, parental social class and adolescent BMI at age 14 years, from multiple imputation.						
* $P \leq 0.05$ ; ** $P \leq 0.001$ ; *** $P \leq 0.0001$ ; **** $P \leq 0.1$ .						