

Power Analysis Parameters

Table 1 presents frequency of Binge Eating, Compensatory Behaviors, and Dieting in ALSPAC across Age and Sex

Table 1: Rates of ED behaviors across age and gender in ALSPAC

sex	Age	N	% Compensatory Behaviors	% Binge Eating	% Dieting
male	14	2674	2.74	4.23	2.95
male	16	2030	2.77	7.73	4.14
male	18	1181	3.30	21.59	4.58
male	24	1473	18.11	12.97	NA
female	14	3368	7.69	5.94	15.16
female	16	2966	15.44	13.35	19.70
female	18	2138	15.74	19.83	21.31
female	24	2766	24.72	15.91	NA

Table 2 presents associations (odds ratios, estimated from logistic regression with BMIz as single predictor) between BMIz at age 10 and Binge Eating, Compensatory Behaviors, and Dieting at age 16 in ALSPAC across Sex.

Table 2: Odds Ratios - Age 10 BMIz predicting ED behavior outcomes

Outcome	Female	Male
Binge	1.190354	1.049648
Compensatory	1.352524	1.569570
Dieting	1.742938	2.146161

Table 3 Presents associations between a crude measure of BMIz suppression in mid adolescence (BMIz at age 10 - BMIz[14-15.9 years]) and Binge Eating, Compensatory Behaviors, and Dieting at age 16 (N = 2528 boys; 2708 girls), also using logistic regression with BMIz

suppression as single predictor. 1-unit change in BMIz suppression is equivalent to a 1-SD decrease in BMIz between age 10 and mid adolescence.

Table 3: Odds Ratios - Mid adolescent BMIz suppression (compared to age 10 BMIz) predicting ED behavior outcomes

Outcome	Female	Male
Binge	0.9308894	0.8938919
Compensatory	1.3423664	1.6227182
Dieting	1.2742194	1.6553034