

**Table 1**

*Descriptive Statistics Associated with the Demographic Variables for the BN and BED samples, and Respective Weight Matched Control Groups*

	Lean Control <i>N</i> = 26		Bulimia Nervosa <i>N</i> = 22		Overweight/Obese <i>N</i> = 15		Binge Eating Disorder <i>N</i> = 16		Cohen's <i>d</i> (BN vs LC)	Cohen's <i>d</i> (BED vs OC)
	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>		
Age (years)	27.85	7.330	25.41	5.963	30.00	6.831	32.26	8.034	-0.37	0.30
BMI (kg/m <sup>2</sup> )	21.70	1.698	22.21	2.582	28.06	4.711	31.60	7.278	0.23	0.58
Education (years)	16.83	3.696	15.36	4.262	19.11	2.213	14.53	5.729	-0.37	-1.05

*Note.* BMI = Body Mass Index

**Table 2***Descriptive Statistics and Effect Size Comparisons for Each Diagnostic Group*

	Lean Control <i>N</i> = 26		Bulimia Nervosa <i>N</i> = 22		Binge Eating Disorder <i>N</i> = 15		Overweight/O bese <i>N</i> = 16		Cohen 's <i>d</i> ( <i>BN</i> vs <i>LC</i> )	Cohen 's <i>d</i> ( <i>BED</i> vs <i>OC</i> )
	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>		
Eating Concern	0.24	0.43	3.09	1.45	3.99	1.12	0.61	0.842	2.65*	3.40*
Restraint	0.76	1.06	3.06	1.44	3.09	1.42	0.97	1.063	1.80*	1.68*
Weight Concern	0.78	1.20	3.65	1.56	4.53	0.82	1.36	1.216	2.05*	3.05*
Shape Concern	1.01	1.33	4.38	1.38	4.80	0.81	1.74	1.453	2.47*	2.61*
Binge Frequency	0.08	0.39	12.5	6.77	11.3	7.13	0.26	0.562	2.59*	2.20*
PEMS - Social	8.46	3.31	9.27	3.69	9.61	2.93	11.39	4.667	0.23	-0.46
PEMS - Conformity	5.65	1.16	8.48	3.16	6.17	1.94	7.06	2.485	1.19*	-0.40
PEMS - Coping	5.50	1.65	13.3	4.96	15.1	4.03	6.50	2.995	2.11*	2.44*
PEMS - Enhancement	8.58	4.33	12.5	4.46	13.8	5.36	8.56	3.399	0.90*	1.17*
FCQ	76.0	26.3	165.93	40.4	167.44	29.7	77.89	31.088	2.63*	2.94*
DASS	8.54	7.34	49.6	30.7	51.1	22.0	13.79	13.903	1.84*	2.03*

*Note.* BN = bulimia nervosa; LC = lean controls; BED = binge eating disorder; OC = overweight/obese controls; DASS = Depression Anxiety Stress Scale; EDE-Q = Eating Disorder Examination Questionnaire; PEMS = Palatable Eating Motives Scale; FCQ = Food Craving Questionnaire.

\*\*  $p < .01$ . \*\*\*  $p < .001$ .

**Table 3***Results of t-tests comparing the lean control sample with the bulimia nervosa sample*

	<i>t</i>	<i>df</i>	<i>p</i>	<i>Q</i>	Cohen's <i>d</i>
Age	1.33	51	.189	.223	-0.37
BMI	-0.84	51	.403	.411	0.23
Education	1.35	52	.183	.223	-0.37
DASS	-6.87***	30.30 <sup>a</sup>	< .001	< .001	1.84
Eating Concern	-9.89***	32.12 <sup>a</sup>	< .001	< .001	2.65
Restraint	-6.61***	52	< .001	< .001	1.80
Weight Concern	-7.49***	52	< .001	< .001	2.05
Shape Concern	-9.08***	52	< .001	< .001	2.47
PEMS - Social	-0.83	50	.411	.411	0.23
PEMS – Conformity	-4.20***	30.17 <sup>a</sup>	< .001	< .001	1.19
PEMS – Coping	-7.76***	31.90 <sup>a</sup>	< .001	< .001	2.11
PEMS - Enhancement	-3.29**	51	.002	.003	0.90
FCQ	-9.53***	51	< .001	< .001	2.63

*Note.* BMI = Body Mass Index; DASS = Depression Anxiety Stress Scale; EDE-Q = Eating Disorder Examination Questionnaire; PEMS = Palatable Eating Motives Scale; FCQ = Food Craving Questionnaire.

<sup>a</sup>Degrees of freedom adjusted for unequal variances between samples.

\*\*  $p < .01$ . \*\*\*  $p < .001$ .

**Table 4***Results of t-tests comparing the overweight/obese sample with the binge eating disorder sample*

	<i>t</i>	<i>df</i>	<i>p</i>	<i>Q</i>	Cohen's <i>d</i>
Age	-0.94	36	.356	.356	0.30
Education	3.04**	28.30 <sup>a</sup>	.005	.007	-1.05
DASS	-6.25***	30.37 <sup>a</sup>	< .001	< .001	2.03
Eating Concern	-10.49***	36	< .001	< .001	3.40
Restraint	-5.21***	36	< .001	< .001	1.68
Weight Concern	-9.42***	31.56 <sup>a</sup>	< .001	< .001	3.05
Shape Concern	-7.99***	28.23 <sup>a</sup>	< .001	< .001	2.61
PEMS - Social	1.37	34	.180	.213	-0.46
PEMS – Conformity	1.20	34	.241	.261	-0.40
PEMS – Coping	-7.32***	34	< .001	< .001	2.44
PEMS - Enhancement	-3.53**	28.77 <sup>a</sup>	.001	.001	1.17
FCQ	-8.84***	34	< .001	< .001	2.94
Binge Frequency	-6.76***	18.22 <sup>a</sup>	< .001	< .001	2.20

*Note.* DASS = Depression Anxiety Stress Scale; EDE-Q = Eating Disorder Examination Questionnaire; PEMS = Palatable Eating Motives Scale; FCQ = Food Craving Questionnaire.

<sup>a</sup>Degrees of freedom adjusted for unequal variances between samples.

\*  $p < .05$ . \*\*  $p < .01$ . \*\*\*  $p < .001$ .

**Table 5**

*Differences in Eating Disorder Pathology, Food Craving, Eating Motivations, and Depression Between Participants with Bulimia Nervosa and Participants with Binge Eating Disorder*

	<i>t</i>	<i>df</i>	<i>p</i>	<i>Q</i>	Cohen's <i>d</i>
Eating Concern	-2.28	45	.027	.099	0.69
Restraint	-0.07	45	.944	.944	0.02
Weight Concern	-2.50	42.76 <sup>a</sup>	.016	.088	0.70
Shape Concern	-1.30	44.23 <sup>a</sup>	.202	.444	0.37
Binge Frequency	0.55	42	.588	.847	-0.17
FCQ	-0.14	43	.892	.944	0.04
PEMS – Social	-0.33	42	.745	.911	0.10
PEMS – Conformity	2.96	40.19 <sup>a</sup>	.005	.055	-0.88
PEMS – Coping	-0.51	29	.616	.847	0.41
PEMS - Enhancement	-1.49	29	.147	.404	0.26
DASS	-0.56	35	.577	.847	0.06

*Note.* DASS = Depression Anxiety Stress Scale; EDE-Q = Eating Disorder Examination Questionnaire; PEMS = Palatable Eating Motives Scale; FCQ = Food Craving Questionnaire.

<sup>a</sup>Degrees of freedom adjusted for unequal variances between samples.

**Table 6**

*Descriptive Statistics and Effect Size Comparisons for Each Diagnostic Group on the FCQ Subscales*

	Lean Control <i>N</i> = 26		Bulimia Nervosa <i>N</i> = 27		Binge Eating Disorder <i>N</i> = 18		Overweight/Obese <i>N</i> = 18		Cohen's <i>d</i> ( <i>BN</i> vs <i>LC</i> )	Cohen's <i>d</i> ( <i>BED</i> vs <i>OC</i> )
	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>		
FCQ – Intention to Eat	6.192	3.15	13.7	3.61	13.5	3.41	6.39	3.398	-	
		0	4	2	0	7			0.25**	2.09**
									*	*
FCQ – Positive Reinforcement	10.57	4.69	17.5	6.42	18.8	5.86	9.61	5.066	-	
	7	2	9	3	9	0			0.62**	1.69**
									*	*
FCQ – Negative Reinforcement	5.115	2.04	11.1	5.00	9.61	3.60	5.56	2.975		
		6	5	5		0			0.42**	1.23**
									*	*
FCQ – Lack of Control	9.654	4.33	27.8	7.37	27.8	6.34	9.89	4.028		
		5	9	1	9	2			0.92**	3.39**
									*	*
FCQ – Preoccupation	11.53	3.84	29.8	9.60	29.1	9.42	10.56	4.743		
	8	9	1	4	7	0			0.64**	2.50**
									*	*
FCQ – Physiological Craving	9.692	3.64	14.4	5.17	14.4	3.76	8.94	3.796	-	
		2	8	7	4	1			0.45**	1.46**
									*	*
FCQ – Emotions	7.692	3.54	18.6	6.05	20.2	3.69	8.67	4.201	-	
		1	7	1	8	1			0.05**	2.94**
									*	*
FCQ – Cue Triggered	9.538	4.20	17.4	4.20	18.2	3.79	11.06	4.917	-	
		7	4	9	2	7			0.21**	1.63**
									*	*
FCQ – Guilt	6.077	3.22	15.1	3.39	15.4	2.57	7.22	4.138	0.23**	2.39**
		4	5	3	4	2			*	*

*Note.* BN = bulimia nervosa; LC = lean controls; BED = binge eating disorder; OC = overweight/obese controls; DASS = Depression Anxiety Stress Scale; EDE-Q = Eating Disorder Examination Questionnaire; PEMS = Palatable Eating Motives Scale; FCQ = Food Craving Questionnaire.

\*\*\*  $p < .001$ .

**Table 7**

*Results of t-tests comparing lean control sample with the bulimia nervosa sample on the FCQ Subscales*

	<i>t</i>	<i>df</i>	<i>p</i>	<i>Q</i>	Cohen's <i>d</i>
FCQ – Intention to Eat	-8.10***	51	< .001	< .001	-0.25
FCQ – Positive Reinforcement	-4.53***	51	< .001	< .001	-0.62
FCQ – Negative Reinforcement	-5.78***	34.72 <sup>a</sup>	< .001	< .001	0.42
FCQ – Lack of Control	-11.03***	42.35 <sup>a</sup>	< .001	< .001	0.92
FCQ – Preoccupation	-9.15***	34.40 <sup>a</sup>	< .001	< .001	0.64
FCQ – Physiological Craving	-3.91***	46.75 <sup>a</sup>	< .001	< .001	-0.45
FCQ – Emotions	-8.09***	42.23 <sup>a</sup>	< .001	< .001	-0.05
FCQ – Cue Triggered	-6.84***	51	< .001	< .001	-0.21
FCQ – Guilt	-9.97***	51	< .001	< .001	0.23

*Note.* FCQ = Food Craving Questionnaire.

<sup>a</sup>Degrees of freedom adjusted for unequal variances between samples.

\*\*\*  $p < .001$ .

**Table 8**

*Results of t-tests comparing the overweight/obese sample with the binge eating disorder sample on the FCQ Subscales*

	<i>t</i>	<i>df</i>	<i>p</i>	<i>Q</i>	Cohen's <i>d</i>
FCQ – Intention to Eat	-6.26***	34	< .001	< .001	2.09
FCQ – Positive Reinforcement	-5.08***	34	< .001	< .001	1.69
FCQ – Negative Reinforcement	-3.68***	34	< .001	< .001	1.23
FCQ – Lack of Control	-10.16***	34	< .001	< .001	3.39
FCQ – Physiological Craving	-4.37***	34	< .001	< .001	1.46
FCQ – Emotions	-8.81***	34	< .001	< .001	2.94
FCQ – Cue Triggered	-4.89***	34	< .001	< .001	1.63
FCQ – Guilt	-7.16***	34	< .001	< .001	2.39

*Note.* FCQ = Food Craving Questionnaire.

\*\*\*  $p < .001$ .