

## SUPPLEMENTARY MATERIAL

### Alcohol abuse/dependence

	No ED	AN $\chi^2$ (p-value)	BN $\chi^2$ (p-value)	ANBN $\chi^2$ (p-value)	BED $\chi^2$ (p-value)
No ED		9.21 (.002) <b>AN*</b>	32.63 (<.001) <b>BN</b>	12.00 (<.001) <b>ANBN</b>	2.68 (.101)
AN			12.18 (<.001) <b>BN</b>	5.30 (.021) <b>ANBN</b>	.49 (.486)
BN				.01 (.940)	1.48 (.223)
ANBN					1.08 (.299)
BED					

*Note.* no ED = no eating disorder, AN = anorexia nervosa, BN = bulimia nervosa, ANBN = lifetime history of AN and BN, BED = binge eating disorder.

\* Bolded group represents higher prevalence.

Diet pills-weekly

	No ED	AN $\chi^2$ (p-value)	BN $\chi^2$ (p-value)	ANBN $\chi^2$ (p-value)	BED $\chi^2$ (p-value)
No ED		35.63 (<.001) <b>AN*</b>	66.46 (<.001) <b>BN</b>	47.96 (<.001) <b>ANBN</b>	1.30 (.255) <b>BED</b>
AN			16.15 (<.001) <b>BN</b>	33.44 (<.001) <b>ANBN</b>	1.94 (.163)
BN				12.46 (<.001) <b>ANBN</b>	12.55 (<.001) <b>BN</b>
ANBN					27.88 (<.001) <b>ANBN</b>
BED					

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Cannabis 10x/month

	No ED	AN $\chi^2$ (p-value)	BN $\chi^2$ (p-value)	ANBN $\chi^2$ (p-value)	BED $\chi^2$ (p-value)
No ED		11.71 (<.001) <b>AN*</b>	5.46 (.019) <b>BN</b>	2.82 (.093)	3.22 (.073)
AN			.26 (.613)	.00 (.980)	.75 (.388)
BN				.09 (.758)	1.09 (.296)
ANBN					.63 (.427)
BED					

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Cannabis-ever

	No ED	AN $\chi^2$ (p-value)	BN $\chi^2$ (p-value)	ANBN $\chi^2$ (p-value)	BED $\chi^2$ (p-value)
No ED		13.51 (<.001) <b>AN*</b>	25.20 (<.001) <b>BN</b>	4.74 (.030) <b>ANBN</b>	6.63 (.010) <b>BED</b>
AN			3.50 (.061)	.17 (.680)	2.09 (.148)
BN				.77 (.381)	.25 (.620)
ANBN					.98 (.322)
BED					

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Hallucinogens-ever

	No ED	AN $\chi^2$ (p-value)	BN $\chi^2$ (p-value)	ANBN $\chi^2$ (p-value)	BED $\chi^2$ (p-value)
No ED		5.66 (.017) <b>AN*</b>	2.52 (.113)	2.49 (.115)	.32 (.572)
AN			.11 (.735)	.32 (.572)	.23 (.631)
BN				.56 (.456)	.40 (.526)
ANBN					.00 (.997)
BED					

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Opioids 10x/month

	No ED	AN $\chi^2$ (p-value)	BN $\chi^2$ (p-value)	ANBN $\chi^2$ (p-value)	BED $\chi^2$ (p-value)
No ED		5.77 (.016) <b>AN*</b>	3.07 (.080)	3.22 (.073)	.02 (.895)
AN			.08 (.781)	.54 (.462)	1.0 (.318)
BN				.78 (.379)	.62 (.433)
ANBN					1.71 (.191)
BED					

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Opioids-ever

	No ED	AN $\chi^2$ (p-value)	BN $\chi^2$ (p-value)	ANBN $\chi^2$ (p-value)	BED $\chi^2$ (p-value)
No ED		10.98 (<.001) <b>AN*</b>	4.72 (.030) <b>BN</b>	.47 (.492)	1.15 (.284)
AN			.34 (.561)	1.10 (.294)	.05 (.829)
BN				.37 (.545)	.01 (.917)
ANBN					.24 (.622)
BED					

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Sedatives 10x/month

	No ED	AN $\chi^2$ (p-value)	BN $\chi^2$ (p-value)	ANBN $\chi^2$ (p-value)	BED $\chi^2$ (p-value)
No ED		6.51 (.011) <b>AN*</b>	5.37 (.021) <b>BN</b>	3.09 (.079)	.56 (.453)
AN			.05 (.832)	.48 (.486)	.06 (.813)
BN				.30 (.582)	.12 (.730)
ANBN					.49 (.486)
BED					

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Sedatives-ever

	No ED	AN $\chi^2$ (p-value)	BN $\chi^2$ (p-value)	ANBN $\chi^2$ (p-value)	BED $\chi^2$ (p-value)
No ED		20.64 (<.001) <b>AN*</b>	16.06 (<.001) <b>BN</b>	5.23 (.022) <b>ANBN</b>	5.12 (.024) <b>BED</b>
AN			.06 (.801)	.00 (.953)	.69 (.407)
BN				.01 (.912)	.47 (.491)
ANBN					.47 (.492)
BED					

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Stimulants 10x/month

	No ED	AN $\chi^2$ (p-value)	BN $\chi^2$ (p-value)	ANBN $\chi^2$ (p-value)	BED† $\chi^2$ (p-value)
No ED		6.93 (.009) <b>AN*</b>	.67 (.413)	2.46 (.117)	
AN			2.92 (.088)	.17 (.677)	
BN				1.65 (.199)	
ANBN					
BED					

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† BED was removed from GEE analyses due to zero cell sizes.

Stimulants-ever

	No ED	AN $\chi^2$ (p-value)	BN $\chi^2$ (p-value)	ANBN $\chi^2$ (p-value)	BED $\chi^2$ (p-value)
No ED		12.59 (<.001) <b>AN*</b>	12.51 (<.001) <b>BN</b>	2.72 (.099)	.51 (.474)
AN			.45 (.504)	.01 (.936)	.71 (.399)
BN				.27 (.601)	1.50 (.221)
ANBN					.37 (.542)
BED					

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Polysubstance 10x/month\*

	No ED	AN $\chi^2$ (p-value)	BN $\chi^2$ (p-value)	ANBN $\chi^2$ (p-value)	BED $\chi^2$ (p-value)
No ED		8.62 (.003) <b>AN*</b>	2.75 (.097)	2.76 (.097)	.43 (.514)
AN			.94 (.332)	.11 (.741)	.39 (.534)
BN				.77 (.381)	.01 (.942)
ANBN					.52 (.472)
BED					

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ANBN = lifetime history of AN and BN, BED = binge eating disorder.

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Polysubstance-ever

	No ED	AN $\chi^2$ (p-value)	BN $\chi^2$ (p-value)	ANBN $\chi^2$ (p-value)	BED $\chi^2$ (p-value)
No ED		21.04 (<.001) <b>AN</b>	21.69 (<.001) <b>BN*</b>	6.08 (.014) <b>ANBN</b>	2.73 (.099)
AN			.77 (.381)	.07 (.792)	.01 (.933)
BN				.11 (.745)	.32 (.572)
ANBN					.06 (.802)
BED					

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ANBN = lifetime history of AN and BN, BED = binge eating disorder.

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