

SUPPLEMENTARY TABLES

Supplementary Table 6*Results of Eta correlation analysis between mental health variables and substance use variables.*

V1	V2	n	ETA Value
Stress	Have you ever, even if only once, used an electronic cigarette or any other type of vapor?	422	.223
	Do you currently use electronic cigarettes or any other type of vapor?	422	.195
	Have you ever used electronic cigarettes or any other type of vapor every day?	422	.141
	How long have you been using electronic cigarettes or any other type of vapor every day?	40 ^a	.246
	How satisfied are you with using electronic cigarettes or any other type of vapor compared with smoking regular cigarettes?	40 ^a	.433
	Which of the following reasons for using electronic cigarettes or any other type of vapor apply to you?	40 ^a	.335
	Do you currently smoke tobacco every day, some days, or not at all?	422	.185
Anxiety	Have you ever, even if only once, used an electronic cigarette or any other type of vapor?	422	.179
	Do you currently use electronic cigarettes or any other type of vapor?	422	.166
	Have you ever used electronic cigarettes or any other type of vapor every day?	422	.172
	How long have you been using electronic cigarettes or any other type of vapor every day?	40 ^a	.304
	How satisfied are you with using electronic cigarettes or any other type of vapor compared with smoking regular cigarettes?	40 ^a	.478
	Which of the following reasons for using electronic cigarettes or any other type of vapor apply to you?	40 ^a	.297
	Do you currently smoke tobacco every day, some days, or not at all?	422	.158
Depression	Have you ever, even if only once, used an electronic cigarette or any other type of vapor?	422	.165
	Do you currently use electronic cigarettes or any other type of vapor?	422	.172
	Have you ever used electronic cigarettes or any other type of vapor every day?	422	.088
	How long have you been using electronic cigarettes or any other type of vapor every day?	40 ^a	.295
	How satisfied are you with using electronic cigarettes or any other type of vapor compared with smoking regular cigarettes?	40 ^a	.463
	Which of the following reasons for using electronic cigarettes or any other type of vapor apply to you?	40 ^a	.450
	Do you currently smoke tobacco every day, some days, or not at all?	422	.144
Mental well-being	Have you ever, even if only once, used an electronic cigarette or any other type of vapor?	422	.078
	Do you currently use electronic cigarettes or any other type of vapor?	422	.172
	Have you ever used electronic cigarettes or any other type of vapor every day?	422	.040
	How long have you been using electronic cigarettes or any other type of vapor every day?	40 ^a	.256
	How satisfied are you with using electronic cigarettes or any other type of vapor compared with smoking regular cigarettes?	40 ^a	.292
	Which of the following reasons for using electronic cigarettes or any other type of vapor apply to you?	40 ^a	.552
	Have you ever, even if only once, used an electronic cigarette or any other type of vapor?	422	.012

Supplementary Table 7

Results of simple linear regression analyses using substance use as a predictor of mental health.

DV	IV	F (df)	p	% of explained variance	B	95% CI	
						Lower limit	Upper limit
Stress	In the past 3 months, how often have you used any of the following substances? × Tobacco	15.856 (1)	.000**	3.4%	2.067	1.047	3.087
	In the past 3 months, how often have you used any of the following substances? × Alcohol	8.867 (1)	.003**	1.8%	1.458	.496	2.421
	In the past 3 months, how often have you used any of the following substances? × Cannabis	4.385 (1)	.037*	.8%	1.826	.112	3.539
	In the past 3 months, how often have you used any of the following substances? × Cocaine	4.088 (1)	.044*	.7%	7.606	.212	15.000
	In the past 3 months, how often have you used any of the following substances? × Sedatives or sleeping pills	18.393 (1)	.000**	4%	3.894	2.109	5.679
	In the past 3 months, how often have you used any of the following substances? × Other	4.575 (1)	.033*	.8%	3.110	.252	5.968
Anxiety	In the past 3 months, how often have you used any of the following substances? × Tobacco	6.730 (1)	.010**	1.3%	1.254	.304	2.203
	In the past 3 months, how often have you used any of the following substances? × Sedatives or sleeping pills	16.754 (1)	.000**	3.6%	3.430	1.783	5.077
	In the past 3 months, how often have you used any of the following substances? × Other	5.765 (1)	.017*	1.1%	3.211	.582	5.840
Depression	In the past 3 months, how often have you used any of the following substances? × Tobacco	7.211 (1)	.008**	1.5%	1.371	.367	2.374
	In the past 3 months, how often have you used any of the following substances? × Cocaine	4.187 (1)	.041*	.8%	7.494	.296	14.692
	In the past 3 months, how often have you used any of the following substances? × Sedatives or sleeping pills	20.096 (1)	.000**	4.3%	3.955	2.221	5.690
	In the past 3 months, how often have you used any of the following substances? × Other	10.496 (1)	.001**	2.2%	4.555	1.791	7.319
Mental Well-being	In the past 3 months, how often have you used any of the following substances? × Alcohol	4.335 (1)	.038*	.8%	1.109	.062	2.155
	In the past 3 months, how often have you used any of the following substances? × Cocaine	4.514 (1)	.034*	.8%	-8.639	-16.631	-.646
	In the past 3 months, how often have you used any of the following substances? × Amphetamine-type stimulants	5.001 (1)	.026*	.9%	-4.961	-9.321	-.600
	In the past 3 months, how often have you used any of the following substances? × Sedatives or sleeping pills	11.046 (1)	.001**	2.3%	-3.291	-5.238	-1.345
	In the past 3 months, how often have you used any of the following substances? × Other	4.205 (1)	.041*	.8%	-3.226	-6.319	-.134

Note: *Statistically significant at the $p < .05$ level; ** statistically significant at the $p < .005$ level.

Supplementary Table 8*Results of multiple linear regression analyses using electronic cigarette or vape use as predictors of mental health.*

Model					Contribution of the variables to the model			
DV	IV	F (df)	p	% of explained variance	B	p	95% CI	
							Lower limit	Upper limit
Stress	Have you ever, even if only once, used an electronic cigarette or any other type of vaper? (Yes)	11.003 (2)	.000**	5%	4.070	.000**	2.334	5.807
	Have you ever, even if only once, used an electronic cigarette or any other type of vaper? (Not sure)				.89	.279	-4.899	5.291
Anxiety	Have you ever, even if only once, used an electronic cigarette or any other type of vaper? (Yes)	6.928 (2)	.001**	3.2%	3.056	.000**	1.502	4.597
	Have you ever, even if only once, used an electronic cigarette or any other type of vaper? (Not sure)				-1.194	.658	-6.496	4.718
Depression	Have you ever, even if only once, used an electronic cigarette or any other type of vaper? (Yes)	5.831 (2)	.003**	2.7%	2.821	.001**	1.192	4.639
	Have you ever, even if only once, used an electronic cigarette or any other type of vaper? (Not sure)				.423	.881	-5.134	5.561
Mental Well-being	Have you ever, even if only once, used an electronic cigarette or any other type of vaper? (Yes)	1.267 (2)	.283	.6%	-1.172	.219	-3.043	.399
	Have you ever, even if only once, used an electronic cigarette or any other type of vaper? (Not sure)				-1.647	.612	-8.027	4.809
Stress	Do you currently use electronic cigarettes or any other type of vaper? (Some days)	5.534 (3)	.001**	3.8%	6.151	.000**	2.733	9.399
	Do you currently use electronic cigarettes or any other type of vaper? (Every day)				7.254	.018*	1.260	13.071
	Do you currently use electronic cigarettes or any other type of vaper? (Not sure)				1.588	.670	-5.728	8.722
Anxiety	Do you currently use electronic cigarettes or any other type of vaper? (Some days)	4.249 (3)	.008**	2.8%	4.112	.011*	.943	7.141
	Do you currently use electronic cigarettes or any other type of vaper? (Every day)				7.215	.011*	1.658	12.623
	Do you currently use electronic cigarettes or any other type of vaper? (Not sure)				.882	.798	-5.901	7.510
Depression	Do you currently use electronic cigarettes or any other type of vaper? (Some days)	4.230 (3)	.006**	3%	5.632	.001**	2.330	8.830
	Do you currently use electronic cigarettes or any other type of vaper? (Every day)				5.134	.082	-.657	10.843
	Do you currently use electronic cigarettes or any other type of vaper? (Not sure)				.356	.099	-6.711	7.355
Mental Well-being	Do you currently use electronic cigarettes or any other type of vaper? (Some days)	4.073 (3)	.006**	2.9%	-3.283	.086	-7.039	.375
	Do you currently use electronic cigarettes or any other type of vaper? (Every day)				-10.337	.002**	-16.925	-3.888
	Do you currently use electronic cigarettes or any other type of vaper? (Not sure)				1.107	.271	-6.932	9.988

Note: *Statistically significant at the $p < .05$ level; ** statistically significant at the $p < .005$ level.