

Appendix
Protective Factors for Nicotine and Marijuana Vaping Among U.S. Adolescents
Parks and Patrick

Appendix Table 1. Weighted Descriptive Statistics for Individual Assets in the Monitoring the Future Sample, 2017–2019

Variables	% (SE)
Social competency/decision making	39.6 (0.83)
Life satisfaction	50.5 (0.84)
Sense of self/self-esteem	51.9 (1.05)
Commitment to learning	13.3 (0.61)
Positive values	53.2 (0.89)
Safety	63.6 (1.30)
Positive peer norms	73.1 (0.98)
Family support	69.9 (0.74)
Neighborhood support	65.0 (0.99)

Notes: Unweighted N=6,982. Weights were used to generate estimates, which account for the complex survey design of the Monitoring the Future study; multiple imputation was used for missing data.

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Appendix Table 2. Weighted Logistic Regression Results for Current Nicotine and Marijuana Vaping among U.S. 12th Graders (Baseline Years 2017–2019)

Variables	Nicotine vaping AOR (95% CI)	Marijuana vaping AOR (95% CI)
Social competency/decision making	0.25 (0.18, 0.34)	0.04 (0.02, 0.12)
Life satisfaction	1.06 (0.84, 1.33)	1.17 (0.88, 1.55)
Sense of self/self-esteem	1.01 (0.81, 1.26)	1.03 (0.79, 1.34)
Commitment to learning	0.91 (0.63, 1.30)	0.71 (0.44, 1.14)
Positive values	1.00 (0.82, 1.24)	0.86 (0.68, 1.09)
Safety	1.23 (0.96, 1.57)	0.93 (0.69, 1.26)
Positive peer norms	0.34 (0.28, 0.42)	0.27 (0.21, 0.36)
Family support	0.84 (0.68, 1.05)	0.88 (0.65, 1.18)
Neighborhood support	1.23 (0.98, 1.55)	1.01 (0.72, 1.43)

Notes: Unweighted N=6,982. Bolded ORs indicate statistical significance ($p<0.05$). Models control for demographics and substance use included in Model 2 of main analyses.