

Appendix: Supplemental Tables

Table S1: Percentage Who Report Vaping Specific Substances At Last Use, by E-Cigarette Frequency and Grade (Standard Error in Parentheses)

	----- Used E-cigarette in Past 30 Days -----		
	Any Use	1-5 Times	6+ Times
Grade 12			
Unweighted n	n=537	n=339	n=198
% of grade, weighted	13.40 (.88)	8.44 (.58)	4.96 (.59)
Just Flavoring	57.65 (2.46)	64.53 (2.88)	45.92 (3.92) ^c
Nicotine	32.84 (2.42)	23.83 (2.85)	48.18 (3.95) ^c
Marijuana	5.17 (1.13)	5.95 (1.71)	3.84 (1.55)
Don't Know	3.98 (.91)	5.48 (1.27)	1.42 (.95)
Other	0.37 (.20)	0.21 (.17)	0.64 (.46)

^c Significantly different from group that vaped 1-5 times in past 30 days, p<.05

Note: Questions on e-cigarette use and vaporizer use are asked on the same questionnaire only in 12th grade, and e-cigarette questions are only about use in the past 30 days. 100% of students who reported e-cigarette use also reported lifetime use of a vaporizer (and therefore were asked questions about substances vaped).

Table S2: Distribution of Last Substance Vaped by Demographic Groups, Among Respondents in 10th and 8th Grade Who Ever Used a Vaporizer (Estimates Are Percentages, Standard Errors in Parentheses)

Variable	---- Sex ----		---- Race/Ethnicity ----			---- Parental Education ----	
	Female ^a	Male	Non-Hispanic White ^a	Hispanic	Non-Hispanic African-American	No Parent Has College Degree ^a	Parent(s) With College Degree
Grade 10							
Unweighted n	729	903	974	277	105	680	880
Just Flavoring	65.79 (1.98)	64.88 (2.33)	63.68 (1.77)	67.91 (3.32)	66.44 (5.63)	65.56 (2.15)	65.29 (2.07)
Nicotine	18.55 (1.62)	20.81 (1.82)	23.66 (1.46)	16.90 (2.71)	10.46 (4.39)	19.09 (1.68)	20.38 (1.57)
Marijuana	6.30 (1.02)	6.95 (1.16)	5.35 (.83)	6.26 (1.74)	7.09 (2.85)	6.12 (.94)	7.57 (1.31)
Don't Know	8.85 (1.42)	6.84 (.98)	6.83 (1.10)	8.64 (1.66)	12.12 (4.27)	8.37 (1.37)	6.25 (1.06)
Other	.51 (.39)	.52 (.27)	.49 (.33)	.29 (.28)	3.89* (2.72)	.85 (.41)	.50 (.37)
Grade 8							
Unweighted n	458	482	434	239	103	446	412
Just Flavoring	61.03* (3.49)	70.40 (2.50)	68.36 (3.06)	62.98 (3.34)	57.69 (5.97)	63.06 (3.08)	69.45 (2.85)
Nicotine	14.87 (2.42)	11.67 (1.81)	16.83 (2.09)	9.80 (3.09)	7.97 (2.42)	12.37 (1.89)	15.51 (2.31)
Marijuana	7.38 (1.51)	4.31 (1.06)	4.14 (1.23)	9.15* (2.31)	4.95 (1.84)	7.71 (1.54)	4.48 (1.21)
Don't Know	15.60 (2.31)	12.28 (1.70)	10.46 (1.68)	15.05 (2.76)	27.88* (6.18)	16.32 (2.35)	9.83* (1.81)
Other	1.12 (.71)	1.33 (.60)	.21 (.21)	3.02* (1.23)	1.51 (1.13)	.54 (.29)	.74 (.64)

^a Reference group for the statistical tests in this category

* p<.05 in comparison to reference group

Table S3: Estimates of Tobacco/Nicotine Prevalence in the Past 30 Days

	12 th Grade (n=4011)
Used an e-cigarette to vape any substance or smoked regular cigarette	19.45 (.96)
Used an e-cigarette to vape nicotine or smoked regular cigarette	12.32 (.76)
Smoked regular cigarette	10.13 (.68)