

Appendix: Supplementary Tables

Table A1: Unweighted Sample Sizes for Analysis of Smoking Outcomes at One-Year Follow Up by Baseline E-cigarette Use; Imputed Sample

Baseline smoking status:	---Never smoked by 12 th grade --		----- Smoked by 12 th grade -----		
	All	See "great risk" in smoking cigarettes	All	Inactive Smokers at 12 th grade ^a	Active Smokers at 12 th grade ^a
n	246	204	101	66	35
Use of e-cigarette within 30 days of 12 th grade survey:					
No	235	194	57	46	11
Yes	11	10	44	20	24

^a Inactive smokers defined as those who did not smoke in 30 days prior to the 12th grade survey, and active smokers defined as those who smoked in the 30 days prior to the 12th grade survey

Table A2: Unweighted Sample Sizes for Analysis of Smoking Outcomes at One-Year Follow Up by Baseline E-cigarette Use; Observed Sample

Outcome:	Smoking Incidence by Follow Up		Annual Prevalence of Smoking at Follow Up		
Baseline smoking status:	---Never smoked by 12 th grade --		----- Smoked by 12 th grade -----		
	All	See "great risk" in smoking cigarettes	All	Did not smoke within 30 days prior to 12 th grade survey	Smoked within 30 days prior to 12 th grade survey
n	226	185	107	71	35
Use of e-cigarette within 30 days of 12 th grade survey:					
No	213	175	58	47	11
Yes	13	10	49	24	24

Table A3: Comparison of Follow-Up Responders with Target Responders, With and Without Use of Attrition Weights (95% Relative Risk Confidence Intervals in Brackets)

	Target follow-up subsample (n=822)	% of sample Longitudinal follow-up responders, no attrition weights (n=347)	Longitudinal follow-up responders, with attrition weights (n=347)
Used e-cigarette in past 30 days at baseline	17.43 [14.75-20.12]	14.53 [10.79-18.27]	15.60 [11.73-19.47]
See “great risk” in smoking at baseline	81.29 [78.48-84.11]	82.74 [78.56-86.91]	80.88 [76.40-85.36]
Never smoked a cigarette at baseline	69.03 [65.77-72.30]	72.99 [68.21-77.77]	71.05 [66.15-75.94]
Smoked in last 30 days at baseline	10.63 [8.58-12.69]	8.21 [5.36-11.06]	10.13 [6.83-13.44]
Female	55.53 [51.94-59.12]	62.43* [57.12-67.74]	56.25 [50.76-61.76]
Non-white	42.33 [38.73-45.92]	35.31* [30.06-40.55]	39.89 [34.44-45.33]
Binge drinking in past two weeks	16.63 [14.05-19.22]	14.96 [11.14-18.78]	16.12 [12.19-20.04]
Smoked marijuana in the past 30 days	21.28 [18.49-24.06]	16.53* [12.68-20.37]	18.93 [14.83-23.03]

Note: Variable definitions are in Table 1. All analyses include follow-up weights to take into account oversampling of respondents with high levels of drug use.

* p<.05; estimate significantly differs from target follow-up sample

Table A4: Smoking Incidence at One-Year Follow Up among 12th Grade Students by Baseline E-cigarette Use: Full Results of Adjusted Relative Risk Estimates (Standard Errors and 95% Relative Risk Confidence Intervals in Brackets)^a

	Never smoked by 12 th grade		Smoked by 12 th grade		
	All	See "great risk" in smoking cigarettes	All	Inactive Smokers at 12 th grade ^a	Active Smokers at 12 th grade ^{a,b}
n	246	204	101	66	35
Substance use at baseline					
E-cigarette use in last 30 days	4.78** [1.91-11.96]	4.64** [1.66-12.93]	2.15** [1.49-3.12]	2.26** [1.22-4.18]	1.32 [0.89-1.96]
Binge drinking in last 30 days	0.91 [0.20-4.08]	1.19 [0.26-5.53]	0.79** [0.75-0.84]	0.53 [0.24-1.2]	0.94 [0.88-1.01]
Marijuana use in last 30 days	1.75 [0.67-4.59]	1.32 [0.42-4.16]	1.35** [1.1-1.65]	1.63 [0.92-2.89]	0.94 [0.87-1.02]
Female	1.24 [0.48-3.17]	1.12 [0.4-3.11]	1.18** [1.12-1.24]	0.88** [0.86-0.9]	
Non-white	1.19 [0.49-2.86]	1.25 [0.47-3.32]	0.73* [0.57-0.94]	0.68 [0.42-1.07]	
Constant	0.05** [0.02-0.12]	0.06** [0.02-0.14]	0.36** [0.25-0.52]	0.34** [0.19-0.59]	

* p<.05; ** p<.01

^aInactive smokers defined as those who did not smoke in 30 days prior to the 12th grade survey, and active smokers defined as those who smoked in the 30 days prior to the 12th grade survey

^bThis model did not converge when demographic variables of sex and race were included.

Table A5: Change in Perceived Risk of Smoking Away From “Great Risk” At Follow-up Wave by Baseline E-cigarette Use: Full Results of Adjusted Relative Risk Estimates (Standard Errors and 95% Relative Risk Confidence Intervals in Brackets)^a

Smoking status:	--- Never smoked by 12 th grade ---		Smoked by 12 th grade
	All	See “great risk” in smoking cigarettes	All
n	246	204	101
Substance use at baseline			
E-cigarette use in last 30 days	4.73** [2.07-10.82]	3.74** [1.57-8.89]	0.69 [0.19-2.49]
Binge drinking in last 30 days	1.07 [0.22-5.23]	1.02 [0.21-5.02]	1.15 [0.34-3.98]
Marijuana use in last 30 days	0.83 [0.19-3.67]	0.78 [0.18-3.32]	0.93 [0.28-3.06]
Female	0.50 [0.24-1.04]	0.48 [0.23-1.02]	0.46 [0.15-1.39]
Non-white	0.94 [0.41-2.15]	1.04 [0.45-2.41]	1.16 [0.44-3.07]
Constant	0.13** [0.07-0.24]	0.16** [0.09-0.29]	0.19** [0.07-0.57]

** p<.01

^a Estimates weighted

Note: Differences across e-cigarette use groups modeled in a binomial regression with a log link. Analysis includes five cases with imputed data for the dependent variable. Results changed only trivially when these five cases were removed from the analysis.