

Supplementary Online Content

Dutra LM, Glantz SA. Electronic cigarettes and conventional cigarette use among US adolescents: a cross-sectional study. *JAMA Pediatr*. Published online March 6, 2014. doi:10.1001/jamapediatrics.2013.5488.

eTable 1. Pooled analyses of the association between current e-cigarette use^a and ever e-cigarette^b use with experimentation with cigarettes^c, ever smoking^d, and current cigarette use^e in the 2011 (n=17,353) and 2012 (n=22,529) National Youth Tobacco Surveys^f

eTable 2. Current e-cigarette use^a and ever e-cigarette^b use and experimentation with cigarettes^c, ever smoking^d, and current cigarette use^e in the National Youth Tobacco Survey (2011: n=17,353, 2012: n=22,529)^f

eTable 3. Comparison of sociodemographic characteristics of respondents in the 2011 National Youth Tobacco Survey (NYTS) of respondents with no missing values (2011: n=17,353, 2012: n=22,529)^a versus one or more missing values (2011: n=1513, 2012: n=2129)

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Pooled analyses of the association between current e-cigarette use^a and ever e-cigarette^b use with experimentation with cigarettes^c, ever smoking^d, and current cigarette use^e in the 2011 (n=17,353) and 2012 (n=22,529) National Youth Tobacco Surveys^f

Dependent Variable	Experimentation ^c OR (95%CI)	Ever smoking ^d OR (95%CI)	Current smoking ^e OR (95%CI)
Ever e-cig use^b	30.46 (25.39-36.53)	21.81 (18.39-25.86)	20.45 (17.20-24.31)
Current e-cig use^a	28.65 (20.46-40.13)	23.47 (17.41-31.64)	24.35 (18.15-32.67)

^a Used an e-cigarette in the past 30 days.

^b Having ever tried an e-cigarette

^c Ever tried smoking (cigarettes), even one or two puffs

^d Smoked at least 100 cigarettes in lifetime.

^e Smoked at least 100 cigarettes in lifetime and at least a puff of a cigarette in the past 30 days.

^f Excludes respondents with missing values for e-cigarette use, cigarette smoking, and covariates

eTable 2. Current e-cigarette use^a and ever e-cigarette^b use and experimentation with cigarettes^c, ever smoking^d, and current cigarette use^e in the National Youth Tobacco Survey (2011: n=17,353, 2012: n=22,529)^f

Dependent Variable	2011			2012		
	Experimentation ^c OR (95%CI)	Ever smoking ^d OR (95%CI)	Current smoking ^e OR (95%CI)	Experimentation ^c OR (95%CI)	Ever smoking ^d OR (95%CI)	Current smoking ^e OR (95%CI)
Ever e-cig use^{b,g}	24.81 (16.68-36.89)	22.80 (16.11-32.27)	21.86 (15.77-30.29)	32.16 (26.21-39.46)	21.50 (17.68-26.14)	19.92 (16.24-24.43)
Age (cont.)	1.41 (1.36-1.47)	1.60 (1.49-1.71)	1.57 (1.46-1.68)	1.40 (1.35-1.44)	1.46 (1.37-1.55)	1.46 (1.36-1.56)
NH White	REF	REF	REF	REF	REF	REF
NH Black	1.14 (0.92-1.41)	0.40 (0.24-0.65)	0.46 (0.28-0.75)	1.32 (1.07-1.62)	0.51 (0.32-0.81)	0.54 (0.34-0.85)
NH Other	1.48 (1.25-1.76)	0.90 (0.65-1.25)	0.94 (0.68-1.29)	1.40 (1.18-1.66)	0.85 (0.67-1.09)	0.88 (0.68-1.15)
Male	1.12 (0.99-1.26)	1.41 (1.15-1.74)	1.47 (1.19-1.82)	1.16 (1.06-1.28)	1.58 (1.33-1.89)	1.49 (1.25-1.79)
Ever e-cig use (unadjusted)	27.36 (18.33-40.85)	29.01 (20.86-4.33)	28.37 (20.74-38.83)	37.31 (30.41-45.78)	31.05 (25.44-37.68)	29.11 (23.79-35.62)
Current e-cig use^{a,i}	22.10 (12.34-39.57)	22.15 (12.04-40.77)	20.20 (11.38-35.89)	32.64 (21.60-49.32)	23.90 (16.97-33.67)	26.02 (18.48-36.63)
Age (cont.)	1.43 (1.38-1.48)	1.64 (1.54-1.75)	1.62 (1.51-1.73)	1.43 (1.39-1.48)	1.59 (1.51-1.66)	1.59 (1.50-1.68)
NH White	REF	REF	REF	REF	REF	REF
NH Black	1.06 (0.86-1.31)	0.32 (0.20-0.52)	0.37 (0.23-0.59)	1.10 (0.89-1.37)	0.35 (0.22-0.55)	0.37 (0.24-0.58)
NH Other	1.43 (1.20-1.70)	0.83 (0.60-1.15)	0.86 (0.62-1.18)	1.26 (1.06-1.50)	0.71 (0.55-0.91)	0.73 (0.55-0.97)
Male	1.13 (1.00-1.27)	1.43 (1.16-1.76)	1.48 (1.20-1.83)	1.19 (1.07-1.31)	1.65 (1.36-2.00)	1.56 (1.29-1.89)
Current e-cig use (unadjusted)	20.46 (11.56-36.20)	21.61 (12.91-36.17)	20.68 (12.60-33.93)	34.44 (23.84-49.76)	29.42 (22.35-38.73)	32.14 (24.32-42.48)

^a In 2011, 174 (1.1%) had used an e-cigarette in the past 30 days; in 2012, 462 (2.0%)

^b In 2011, 511 (3.1%) had ever tried e-cigarettes; in 2012, 1450 (6.5%)

^c Ever tried smoking (cigarettes), even one or two puffs

^d Smoked at least 100 cigarettes in lifetime.

^e Smoked at least 100 cigarettes in lifetime and at least a puff of a cigarette in the past 30 days.

^f Excludes respondents with missing values for e-cigarette use, cigarette smoking, and covariates

eTable 3. Comparison of sociodemographic characteristics of respondents in the 2011 National Youth Tobacco Survey (NYTS) of respondents with no missing values (2011: n=17,353, 2012: n=22,529)^a versus one or more missing values (2011: n=1513, 2012: n=2129)

	2011			2012		
	Non-missing %(n)	Missing % (n)	p-value	Non-missing %(n)	Missing % (n)	p-value
All						
Gender						
Male	50.6% (8544)	57.1% (740)	.0074	50.1% (11093)	61.8% (1276)	<.0001
Female	49.4% (8809)	42.9% (506)		49.9% (11436)	38.3% (839)	
Race			<.0001			<.0001
NH White	56.6% (6731)	39.5% (251)		54.7% (11311)	39.8% (503)	
NH Black	13.9% (3102)	18.5% (220)		13.5% (2886)	20.5% (228)	
Other	29.5% (7520)	42.0% (571)		31.8% (8332)	39.7% (612)	
Ever cigarette smoking ^b						
Ever smokers	5.6% (860)	5.8% (66)	.8376	4.5% (972)	5.2% (99)	.2748
Never smokers	94.4% (16493)	94.2% (1139)		95.5% (21557)	94.8% (1882)	
Dual ever use ^{b,c}	1.7% (232)	1.1% (12)		2.6% (562)	0.5% (35)	
Current cigarette smoking ^d						
Smoker	5.0% (778)	4.0% (41)	.2134	4.0% (869)	4.0% (77)	.9974
Nonsmoker	95.0% (16575)	96.0% (1141)		96.0% (21660)	96.0% (1885)	
Dual current use ^{d,e}	0.5% (75)	0.0% (0)		1.0% (230)	0.3% (4)	
Ever e-cig use ^c	3.1% (511)	3.0% (47)	.7669	6.5% (1450)	10.2% (139)	.0019
Current e-cig use ^e	1.1% (174)	0.8% (11)	.2964	2.0% (462)	2.9% (38)	.1140
Age (years)	Mean (SD) 14.7 (0.1)	14.3 (0.1)	.2795	Mean (SD) 14.6 (0.1)	14.2 (.10)	<.0001

^a Participants without missing values are those with complete values for e-cigarette use, cigarette smoking, and covariates

^b Smoked at least 100 cigarettes in lifetime

^c Having ever tried an e-cigarette

^d Smoked at least 100 cigarettes in lifetime and at least a puff in past 30 days

^e Used an e-cigarette in the past 30 days