THE GEORGE WASHINGTON UNIVERSITY WASHINGTON, DC

Introduction

- Anti-tobacco-industry sentiment are protective against smoking
- E-cigarettes are the most commonly used tobacco product among youth and young adults in the U.S.
- It is unclear if anti-e-cigarette industry sentiments will be similarly protective against use

Methods

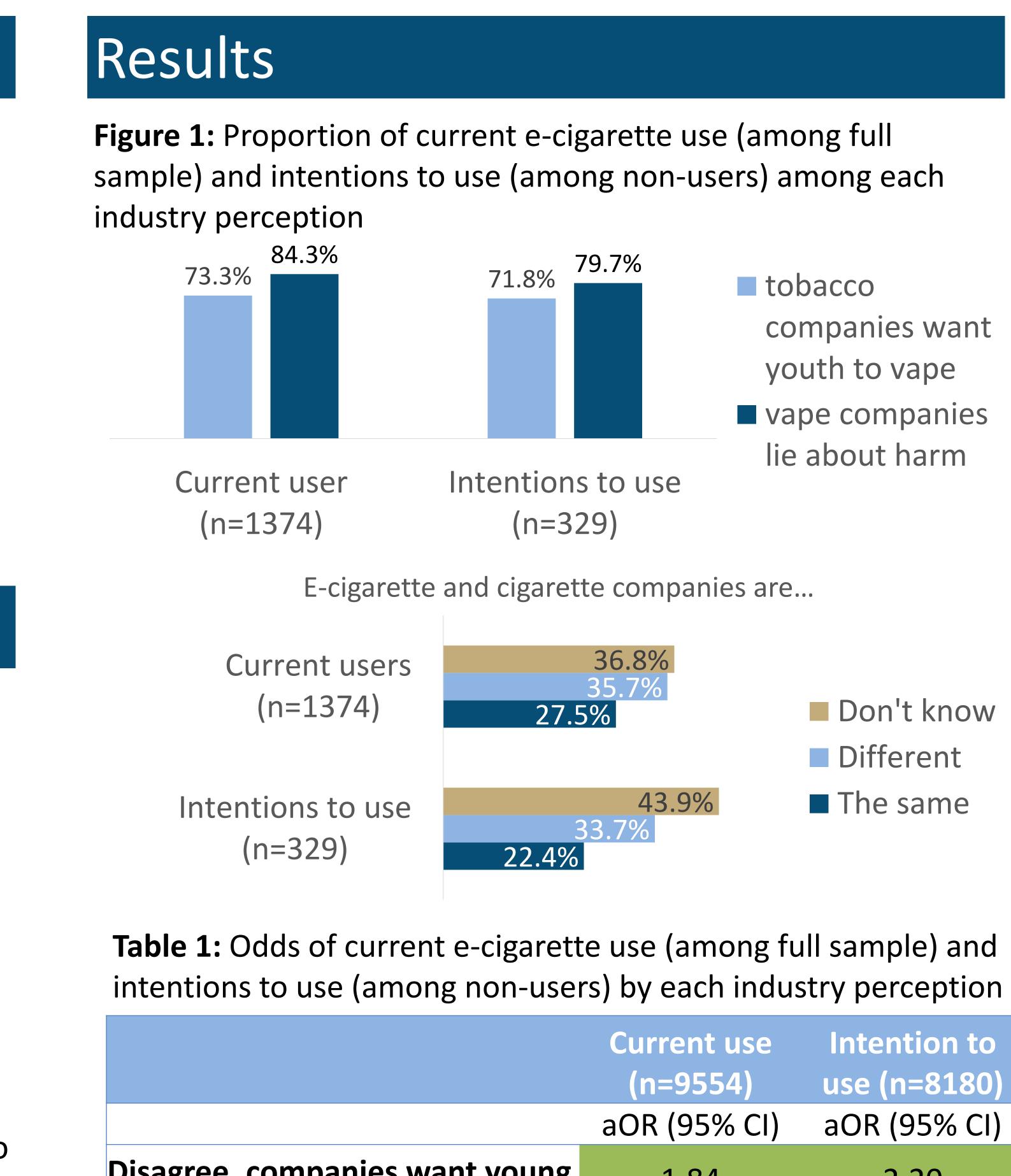
- **Sample**: National probability web-panel aged 15-28-year-olds in U.S. collected Fall 2019 (n=9554)
- Outcomes:
 - Past 30-day e-cigarette use
 - Intention to use (among non-users)

• E-cigarette Industry sentiments

- Vape companies lie about harm
- Tobacco companies want young people to vape
- E-cigarette and cigarette companies are (the same/different/don't know)
- Models
 - Controlled for each industry sentiments (separately), harm perceptions, friend/household use, sensation seeking, and demographic characteristics
 - Models stratified by harm perceptions and friend/household use

Acknowledgement: We'd like to thank Dr. Leighton Ku for his mentorship on this project, and the leadership at Truth Initiative Schroeder Institute for their support.

Anti-e-cigarette industry sentiments and associations of use among youth and young adults in the United States Alison F. Cuccia, Minal Patel, Elexis Kierstead, W. Douglas Evans, Barbara A. Schillo



	Current use (n=9554)	Intention to use (n=8180)
	aOR (95% CI)	aOR (95% CI)
Disagree, companies want young people to vape (ref=agree)	1.84 (1.46 - 2.32)	2.20 (1.45 - 3.32)
Disagree, companies lie about	1.99	3.79
harm (ref=agree)	(1.48 - 2.69)	(2.16 - 6.64)
Companies are the same (ref=yes)		
		4 0 4

	1.44	1.91
No	(1.12 - 1.86)	(1.20 - 3.05)
	0.92	1.35
Don't know	(0.72 - 1.17)	(0.89 - 2.02)

Table notes:

Abbreviations: aOR= adjusted odds ratio, CI=confidence interval, e-cig=e-cigarette, cig=cigarette ref=reference category

Each model includes one industry perception and is controlled for harm perceptions, age, race/ethnicity, financial status, sex, and combustible use. Intent to use models were also controlled for ever e-cigarette use.

p<0.05 p<0.01 p<0.001

- tobacco companies want youth to vape
- vape companies lie about harm

Don't know Different The same

Table 2: Odds of current e-cigarette use (among full sample) and intentions to use (among non-users) by each industry perception, stratified by harm perceptions and friend/household use

	Current use (n=9554) aOR (95% CI)		Intent to use (n=8180) aOR (95% CI)	
	Low harm	High harm	Low harm	High harm
Disagree, companies				
want young people to	1.91	1.04	2.34	0.90
vape (ref=agree)	(1.50 - 2.44)	(0.43 - 2.49)	(1.50 - 3.65)	(0.30 - 2.67)
Disagree, companies lie	2.05	1.05	3.92	2.43
about harm (ref=agree)	(1.51 - 2.79)	(0.21 - 5.31)	(2.17 - 7.09)	(0.62 - 9.47)
Companies are the same (ref=yes)				
No	1.57 (1.19 - 2.07)	0.76 (0.33 - 1.75)	2.31 (1.36 - 3.92)	0.98 (0.41 - 2.34)
Don't know	0.88 (0.67 - 1.15)	1.17 (0.62 - 2.18)	1.63 (1.03 - 2.56)	0.54 (0.18 - 1.64)
	no fr/hh use	Fr/hh use	no fr/hh use	Fr/hh use
Disagree, companies want young people to vape (ref=agree)	1.15 (0.69 - 1.91)	2.07 (1.59 - 2.70)	2.43 (1.25 - 4.73)	2.23 (1.35 - 3.66)
Disagree, companies lie about harm (ref=agree)	0.83 (0.40 - 1.72)	2.37 (1.67 - 3.35)	2.61 (1.09 - 6.26)	4.25 (2.14 - 8.45)
Companies are the same (ref=yes)				
No	1.25 (0.69 - 2.25)	1.47 (1.11 - 1.95)	0.97 (0.46 - 2.04)	2.45 (1.41 - 4.28)
Don't know	0.85 (0.48 - 1.49)	0.92 (0.70 - 1.21)	0.99 (0.50 - 1.94)	1.59 (0.96 - 2.63)
Discussion				

- use

• E-cigarette industry sentiments are associated with both current use and intentions to use among non-users. This parallels research on anti-tobacco industry sentiments and smoking.

Sentiments towards the industry may play a particularly important role among youth and young adults exposed to environmental and social pressures that encourage e-cigarette