

**ASSOCIATION BETWEEN ELECTRONIC CIGARETTE USE AND
MYOCARDIAL INFARCTION
Supplemental Tables**

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Table S1. Sample Characteristics of NHIS 2014					
	E-cigarette use				P-value
	Never % (n)	Former % (n)	Some days % (n)	Daily % (n)	
n	32,069	3,176	892	384	
Myocardial infarction	3.7% (1,197)	3.1% (99)	4.4% (39)	6.0% (23)	0.02
Cigarette Smoking					
Never	66.2% (21,196)	17.2% (547)	7.6% (68)	3.4% (13)	<0.001
Former	23.0% (7,375)	20.2% (639)	10.0% (89)	44.4% (170)	
Some days	2.9% (911)	12.6% (399)	18.7% (167)	10.2% (39)	
Daily	7.9% (2,535)	50.0% (1,587)	63.7% (568)	42.0% (161)	
Health Status					
Hypertension	34.7% (11,108)	25.9% (821)	28.3% (252)	36.5% (140)	<0.001
Diabetes Mellitus	10.9% (3,504)	6.3% (199)	7.6% (68)	9.9% (38)	<0.001
High Cholesterol	30.9% (9,863)	22.1% (699)	21.4% (190)	31.2% (119)	<0.001
Demographics					
Woman	56.3% (18,061)	48.1% (1,527)	50.1% (447)	47.9% (184)	<0.001
Age, year (\pm SD)	50.6 (\pm 18.31)	39.0 (\pm 14.81)	40.9 (\pm 15.22)	44.3 (\pm 15.08)	<0.001
BMI (\pm SD) kg/m ²	30.38 (\pm 14.42)	29.19 (\pm 11.82)	29.35 (\pm 12.88)	29.64 (\pm 12.67)	<0.001
Race/Ethnicity					
Hispanic	17.3% (5,531)	11.8% (374)	9.8% (96)	7.6% (29)	<0.001
White	61.2% (19,614)	73.4% (2,332)	77.5% (678)	81.0% (311)	
Black	14.5% (4,638)	9.1% (290)	8.0% (77)	6.5% (25)	
Asian	6.1% (1,944)	3.5% (112)	2.6% (22)	2.9% (11)	
Other	1.1% (342)	2.1% (68)	2.1% (19)	2.1% (8)	
P values test the null hypothesis that there are no differences across the groups using analysis of variance or chi-square, as appropriate.					

Table S2. Sample Characteristics of NIHS 2016

	E-cigarette use				P-value
	Never % (n)	Former % (n)	Some days % (n)	Daily % (n)	
n	28,031	3,917	591	392	
Myocardial infarction	4.0% (1,112)	3.2% (126)	3.7% (22)	6.1% (24)	0.015
Cigarette Smoking					
Never	65.9% (18,453)	22.1% (866)	11.5% (68)	7.1% (28)	<0.001
Former	24.9% (6,983)	21.7% (847)	16.1% (95)	58.4% (229)	
Some days	2.4% (670)	10.7% (417)	15.8% (93)	12.0% (47)	
Daily	6.8% (1,902)	45.6% (1,783)	56.6% (334)	22.5% (88)	
Health Status					
Hypertension	36.7% (10,279)	27.2% (1,066)	29.4% (174)	30.4% (119)	<0.001
Diabetes Mellitus	11.2% (3,138)	7.3% (286)	9.3% (55)	8.4% (33)	<0.001
High Cholesterol	31.5% (8,792)	23.4% (913)	27.2% (160)	31.0% (121)	<0.001
Demographics					
Woman	55.8% (15,637)	48.4% (1,895)	46.5% (275)	46.7% (183)	<0.001
Age, year (\pm SD)	52.5 (\pm 18.62)	40.7 (\pm 15.34)	42.3 (\pm 15.24)	44.0 (\pm 15.54)	<0.001
BMI (\pm SD) kg/m ²	30.40 (\pm 14.39)	29.37 (\pm 12.06)	29.26 (\pm 11.85)	29.73 (\pm 12.43)	<0.001
Race/Ethnicity					
Hispanic	12.1% (3,404)	8.6% (335)	7.3% (43)	3.6% (14)	<0.001
White	69.4% (19,457)	78.0% (3,055)	77.8% (460)	85.5% (335)	
Black	11.5% (3,233)	8.7% (341)	8.1% (48)	3.8% (15)	
Asian	5.5% (1,537)	2.8% (110)	3.1% (18)	3.8% (15)	
Other	1.4% (400)	1.9% (76)	3.7% (22)	3.3% (13)	
P values test the null hypothesis that there are no differences across the groups using analysis of variance or chi-square, as appropriate.					

Table S3. Univariate and Multivariate Associations between E-cigarette Use and Myocardial Infarction of NHIS 2014

Model	Unadjusted Model		Adjusted Model	
Characteristics	OR (95% CI)	P-value	OR (95% CI)	P-value
E-cig use:				
Never	Reference		Reference	
Former	0.92 (0.69-1.22)	0.552	1.19 (0.86-1.65)	0.281
Some days	1.64 (1.03-2.61)	0.037	1.71 (1.04-2.84)	0.036
Daily	2.49 (1.29-4.78)	0.006	2.28 (1.07-4.85)	0.033
Cigarette Smoking				
Never			Reference	
Former			1.89 (1.56-2.28)	<0.001
Some days			2.42 (1.55-3.76)	<0.001
Daily			2.91 (2.17-3.90)	<0.001
Hypertension				
			2.83 (2.26-3.53)	<0.001
Diabetes Mellitus				
			1.76 (1.44-2.15)	<0.001
High Cholesterol				
			2.19 (1.80-2.66)	<0.001
Woman				
			0.52 (0.44-0.63)	<0.001
Age (per 10 years)				
			1.60 (1.50-1.71)	<0.001
BMI				
			1.00 (1.00-1.01)	0.621
Race/ethnicity				
White			Reference	
Hispanic			0.72 (0.54-0.96)	0.024
Black			0.96 (0.74-1.25)	0.782
Asian			0.67 (0.41-1.07)	0.095
Other Race			1.40 (0.72-2.71)	0.324
n	36,495		36,294	

Table S4. Univariate and Multivariate Associations between E-cigarette Use and Myocardial Infarction of NHIS 2016

Model	Unadjusted Model		Adjusted Model	
Characteristics	OR (95% CI)	P-value	OR (95% CI)	P-value
E-cig use:				
Never	Reference		Reference	
Former	0.79 (0.61-1.02)	0.072	1.01 (0.73-1.38)	0.974
Some days	0.75 (0.44-1.27)	0.282	0.80 (0.43-1.49)	0.483
Daily	1.73 (1.04-2.86)	0.034	2.10 (1.20-3.40)	0.010
Cigarette Smoking				
Never			Reference	
Former			1.62 (1.36-1.92)	<0.001
Some days			2.08 (1.38-3.12)	<0.001
Daily			2.83 (2.18-3.67)	<0.001
Hypertension				
			2.16 (1.78-2.61)	<0.001
Diabetes Mellitus				
			1.83 (1.50-2.23)	<0.001
High Cholesterol				
			2.49 (2.08-2.99)	<0.001
Woman				
			0.46 (0.39-0.54)	<0.001
Age (per 10 years)				
			1.69 (1.57-1.83)	<0.001
BMI				
			1.00 (0.99-1.01)	0.504
Race/ethnicity				
White			Reference	
Hispanic			0.98 (0.71-1.36)	0.921
Black			0.83 (0.64-1.08)	0.170
Asian			0.38 (0.21-0.69)	0.001
Other Race			1.43 (0.67-3.05)	0.358
n	32,900		32,752	