

Table 1. Associations of cigarette and e-cigarette use with incident cardiovascular disease

	Compared with Nonuse				Compared with Exclusive Smoking	
	Nonuse (n=14,832)	Exclusive e-Cigarette use (n=822)	Exclusive Smoking (n=6,515)	Dual Use (n=1,858)	Exclusive e-Cigarette use	Dual Use
<b><i>Any cardiovascular disease<sup>†</sup></i></b>						
No. of incident cases	764	41	569	113		
Incidence rate, per 1000 person-years (95% CI) <sup>‡</sup>	8.0 (7.3, 8.7)	9.7 (6.4, 13.0)	14.8 (13.2, 16.3)	17.1 (13.6, 20.7)		
Age-, sex-, and race and ethnicity-adjusted HR (95% CI) <sup>§</sup>	Reference	1.16 (0.82, 1.66)	1.78 (1.55, 2.04)	1.85 (1.48, 2.32)	0.66 (0.46, 0.94)	1.04 (0.83, 1.30)
Multivariable-adjusted HR (95% CI) <sup>  </sup>	Reference	1.00 (0.69, 1.45)	1.53 (1.30, 1.79)	1.54 (1.21, 1.96)	0.66 (0.46, 0.94)	1.01 (0.81, 1.26)
<b><i>Myocardial infarction, heart failure, or stroke</i></b>						
No. of incident cases	222	15	242	40		
Incidence rate, per 1000 person-years (95% CI) <sup>‡</sup>	2.5 (2.1, 2.9)	4.0 (1.8, 6.2)	6.9 (5.8, 8.0)	7.1 (4.6, 9.6)		
Age-, sex-, and race and ethnicity-adjusted HR (95% CI) <sup>§</sup>	Reference	1.55 (0.87, 2.76)	2.57 (2.07, 3.20)	2.49 (1.71, 3.64)	0.60 (0.34, 1.07)	0.97 (0.67, 1.40)
Multivariable-adjusted HR (95% CI) <sup>  </sup>	Reference	1.35 (0.75, 2.42)	2.20 (1.73, 2.81)	2.08 (1.40, 3.09)	0.61 (0.34, 1.09)	0.94 (0.65, 1.36)

<sup>†</sup> Myocardial infarction or needed bypass surgery, heart failure, other heart condition, or stroke

<sup>‡</sup> Adjusted for age (18-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75+)

<sup>§</sup> Adjusted for age (18-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75+), sex (male or female), and race and ethnicity (Hispanic, non-Hispanic Black, non-Hispanic White, non-Hispanic other)

<sup>||</sup> Adjusted for baseline age (18-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75+), sex (male or female), race and ethnicity (Hispanic, non-Hispanic Black, non-Hispanic White, non-Hispanic other), education (less than high school, high school/GED, some college, bachelor or above), body mass index (continuous), cigarette smoking pack years and its square (both continuous), ever used marijuana (yes or no), ever diagnosed with high blood pressure (yes or no), ever diagnosed with high cholesterol (yes or no), ever diagnosed with diabetes (yes or no), ever had a close biological relative be diagnosed with a myocardial infarction or have a bypass surgery (yes or no). Also adjusted for time-varying current use of combustible (cigars, cigarillos, pipes, or hookah) and noncombustible (snus or other smokeless tobacco) tobacco use