Perception of Harms and Benefits of Electronic Cigarettes Among Adult Malaysian Men: A Comparison by Electronic Cigarette Use and Smoking Status

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Abstract

Little is known about the perceptions of harm and benefit associated with the use of e-cigarettes in Malaysia. This was a cross-sectional analysis of a nationally representative sample comprising 1897 males (â‰¥18 years of age). Current, former, and never users of conventional cigarettes and/or e-cigarettes participated in a questionnaire study conducted via face-to-face interviews. The relationship between participant characteristics and perceptions of harm and benefit of e-cigarettes were determined with multivariable logistic regression. There were 350 current, 377 former, and 860 never users of e-cigarettes. Government employees (odds ratio [OR] = 1.85, 95% confidence interval [CI] = 1.23-2.66, P <.001), private sector employees (OR = 1.67, 95% CI = 1.27-2.18, P <.001), and the self-employed people (OR = 1.68, 95% CI = 1.31-2.17, P <.001) were more likely to perceive e-cigarettes as more harmful than conventional cigarettes compared with respondents who were not wage earners. All current users in the form of e-cigarette users (OR = 7.87, 95% CI = 3.33-18.34), conventional cigarette smokers (OR = 1.80, 95% CI = 1.39-2.33), and dual users (OR = 4.58, 95% CI = 4.76-15.52) were more likely to perceive e-cigarettes as useful in quitting conventional cigarette smoking compared with former and never users. Our findings constitute an important snapshot into the perceptions of e-cigarette harms and benefits, which could inform targeted public health messaging strategies.

Keywords

Author Keywords: smoking; tobacco; drug abuse; public health; electronic cigarettes; risk perception; smoking cessation; health communication; health promotion

KeyWords Plus: RISK PERCEPTIONS; AWARENESS; TOBACCO; PREFERENCES; PRODUCTS; STUDENTS; REASONS; NEED

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