

Unhappiness and Smoking Behavior among Vietnamese Men

Kien Le^{1,2,*}



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ABSTRACT

Smoking remains one of the most prevalent and deleterious health behaviors globally. The persistence of smoking as a significant public health challenge is underscored by its addictive nature, which complicates cessation efforts, and the profound health and economic consequences associated with continued use. Recent research has begun to explore the connection between psychological well-being and smoking behavior, aiming to elucidate how emotional states might influence health-related behaviors. This study examines the relationship between unhappiness and smoking behavior among Vietnamese men, using data from the UNICEF Multiple Indicator Cluster Survey 6, covering approximately 5,000 men surveyed between 2020 and 2021. Employing a fixed effects regression model, our analysis reveals a significant positive correlation between unhappiness and smoking. Specifically, being unhappy increases the likelihood of ever trying cigarettes by 7.3 percentage points, recent smoking by 10.0 percentage points, and daily smoking by 7.8 percentage points, and the number of cigarettes smoked in the past 24 hours by 1.505 cigarettes. These findings carry substantial economic implications, particularly regarding public health expenditure, workforce productivity, and the long-term costs associated with smoking-related illnesses. Smoking imposes a significant economic burden on individuals and healthcare systems, encompassing both direct costs such as medical treatments and indirect costs including lost productivity due to illness and premature mortality. Our research contributes to identifying preventive strategies that enhance emotional well-being and potentially reduce smoking prevalence. Moreover, if interventions designed to increase happiness are shown to decrease smoking rates effectively, they could inform policy decisions to prioritize mental health and preventive care, yielding long-term economic benefits. The presenting topic further aligns with several Sustainable Development Goals (SDGs) adopted by all United Nations members, notably SDG 3 (Good Health and Well-being), SDG 8 (Decent Work and Economic Growth), and SDG 12 (Responsible Consumption and Production).

Key words: Happiness, Smoking, Public health

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1 INTRODUCTION

2 Smoking remains one of the most prevalent and dele-
 3 terious health behaviors globally. Despite extensive
 4 public awareness campaigns about its harmful effects,
 5 smoking rates persist at alarming levels in various re-
 6 gions worldwide. According to the World Health Or-
 7 ganization, approximately 22.3% of the global popula-
 8 tion, equating to 1.3 billion individuals, were tobacco
 9 users in 2020. Notably, 83% of these tobacco users are
 10 men, with around 80% residing in low- and middle-
 11 income countries.¹ Smoking is associated with a myri-
 12 ad of severe health issues, including lung cancer, car-
 13 diovascular disease, and respiratory conditions, con-
 14 tributing significantly to global morbidity and mortal-
 15 ity.²⁻⁵ The Global Burden of Disease report in 2017
 16 highlights that smoking-related illnesses account for
 17 over 8 million deaths annually, a substantial propor-
 18 tion of which occur in low- and middle-income coun-
 19 tries where tobacco control measures are often less
 20 stringent.⁶

The persistence of smoking as a significant public
 health challenge is underscored by its addictive na-
 ture, which complicates cessation efforts, and the
 profound health and economic consequences associ-
 ated with continued use. While high-income coun-
 tries have experienced a decline in smoking rates due
 to rigorous policies, public health campaigns, and
 heightened awareness of smoking's dangers, many de-
 veloping regions continue to see rising smoking rates.
 This increase is driven by aggressive marketing tac-
 tics employed by tobacco companies and the relative
 lack of regulatory restrictions in these areas.⁴ Smok-
 ing behavior is frequently entrenched in social, psy-
 chological, and cultural contexts, with many individ-
 uals using cigarettes as a coping mechanism for stress
 or as a means of social engagement. Despite well-
 documented health risks, the addictive properties of
 Nicotine and the perceived short-term benefits, such
 as stress relief and relaxation, contribute to the persis-
 tence of smoking.⁷⁻¹⁰

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41 Recent research has begun to explore the connec- 94
 42 tion between psychological well-being and smoking 95
 43 behavior, aiming to elucidate how emotional states 96
 44 influence health-related behaviors. As a measure 97
 45 of subjective well-being, happiness is positively cor- 98
 46 related with various health outcomes. Individuals 99
 47 with higher happiness levels generally adopt healthier
 48 lifestyles, engage more in preventive health care, ex-
 49 hibit lower levels of substance use, and vice versa.^{9,11}
 50 Consequently, understanding the interplay between
 51 happiness and smoking is essential for developing ef-
 52 fective public health interventions aimed at reducing
 53 smoking prevalence. If increasing happiness can in-
 54 deed mitigate smoking behavior, then mental health
 55 interventions could become a critical component of
 56 tobacco control strategies. However, the relation-
 57 ship between these variables remains inadequately ex-
 58 plored, particularly in developing countries such as
 59 Vietnam. In brief, there are still gaps in understand-
 60 ing the socio-cultural and emotional determinants of
 61 smoking behavior in the context of developing coun-
 62 tries, particularly Vietnam.

63 Therefore, this study aims to answer the research
 64 question of how unhappiness influences smoking be-
 65 havior among Vietnamese men. By exploring how
 66 emotional well-being affects health behaviors, this
 67 study seeks to provide novel insights into the poten-
 68 tial role of happiness in smoking cessation efforts. The
 69 investigation holds considerable economic signifi-
 70 cance, particularly concerning public health expendi-
 71 ture, workforce productivity, and the long-term costs
 72 associated with smoking-related illnesses. Smoking
 73 imposes a substantial economic burden on both in-
 74 dividuals and healthcare systems, encompassing di-
 75 rect costs such as medical treatments and indirect
 76 costs including lost productivity due to illness and
 77 premature mortality. This research contributes to
 78 the identification of preventive strategies that enhance
 79 emotional well-being and potentially reduce smok-
 80 ing prevalence. Furthermore, if interventions aimed
 81 at increasing happiness are demonstrated to decrease
 82 smoking rates effectively, they could influence policy
 83 decisions to prioritize mental health and preventive
 84 care, thereby yielding long-term economic benefits.
 85 The presenting topic further aligns with several Sus-
 86 tainable Development Goals (SDGs), notably SDG 3
 87 (Good Health and Well-being), SDG 8 (Decent Work
 88 and Economic Growth), and SDG 12 (Responsible
 89 Consumption and Production).

90 The structure of this paper is as follows. Section 2
 91 provides a comprehensive review of relevant litera-
 92 ture, establishing the contextual framework for the
 93 study. Section 3 describes the dataset utilized in this

research. Section 4 details the empirical methodology
 employed for data analysis, ensuring transparency
 and replicability of the approach. Section 5 presents
 the findings from our study. Finally, Section 6 con-
 cludes the paper, summarizing key insights, implica-
 tions, and potential directions for future research.

LITERATURE REVIEW 100

101 The relationship between unhappiness and health be- 101
 102 haviors, mainly smoking, can be examined through 102
 103 several theoretical frameworks that link psychological 103
 104 states with behavioral outcomes. A central theory in 104
 105 this context is the Stress-Coping Model, which posits 105
 106 that individuals experiencing emotional distress, such 106
 107 as unhappiness, are more likely to engage in behav- 107
 108 iors that provide immediate relief, including smok- 108
 109 ing. This model suggests that smoking acts as a coping 109
 110 mechanism for managing negative emotions, stress, 110
 111 and psychological discomfort.¹² Extending this idea, 111
 112 the Self-Medication Theory proposes that individuals 112
 113 use substances, including nicotine, to alleviate symp- 113
 114 toms of emotional distress or psychiatric conditions. 114
 115 Nicotine’s stimulant effects, such as dopamine release, 115
 116 provide temporary relief from unhappiness, reinforc- 116
 117 ing smoking behavior through a cycle of addiction 117
 118 and emotional dependence.^{13,14} Additionally, Behav- 118
 119 ioral Economics offers insights into this relationship 119
 120 by highlighting how individuals prioritize immediate 120
 121 emotional relief over long-term health benefits. This 121
 122 perspective emphasizes that the immediate gratifica- 122
 123 tion from smoking can overshadow concerns about 123
 124 future health risks, especially among individuals ex- 124
 125 perienceing unhappiness.^{15,16} 125

126 Empirically, this paper aligns with two key strands 126
 127 of studies. The first strand focuses on the factors 127
 128 influencing smoking behavior. For instance, socio- 128
 129 cultural contexts significantly shape the decision to 129
 130 smoke. Christakis and Fowler found that social net- 130
 131 works and cultural norms strongly affect smoking be- 131
 132 haviors, with individuals being more likely to smoke 132
 133 if surrounded by smokers or in environments where 133
 134 smoking is culturally accepted.⁷ Additionally, re- 134
 135 search indicates that individuals experiencing high 135
 136 levels of psychological stress are more likely to start 136
 137 and maintain smoking habits.^{9,11} Hiscock et al. found 137
 138 that smokers reported significantly higher levels of 138
 139 anxiety compared to non-smokers.⁸ The addictive na- 139
 140 ture of nicotine further complicates cessation, lead- 140
 141 ing to sustained smoking rates among those with per- 141
 142 sistent emotional distress.¹⁷ In addition, individuals 142
 143 with lower levels of education are also found to be 143
 144 more likely to engage in smoking.¹⁸ 144

145 The second strand of empirical studies related to our
 146 paper is research studies delving into the effects of
 147 happiness or unhappiness on human behavior. For
 148 example, happiness is related to a positive lifestyle,
 149 such as physical activity and dietary choices.¹⁹ Hap-
 150 piness also induces people to engage in sustainable
 151 activities to protect both the physical and the so-
 152 cial environments.²⁰ In addition, happiness also posi-
 153 tively contributes to organizational citizenship behav-
 154 iors that help improve workplace environment and
 155 culture.²¹ On the other hand, unhappy individuals
 156 are more likely to engage in poor health behaviors
 157 such as the use of alcohol and cocaine.¹¹ Even worse,
 158 Uh et al. and Wu et al. find that being unhappy can
 159 also lead to self-harm acts among community adoles-
 160 cents.^{22,23}

161 DATA

162 This study investigates the relationship between un-
 163 happiness and smoking behaviors using extensive
 164 data from the United Nations International Chil-
 165 dren’s Emergency Fund (UNICEF) - Multiple Indi-
 166 cator Cluster Survey 6 Vietnam dataset (MICS6-VN).
 167 This survey is part of a global initiative designed to
 168 collect robust and reliable data to assess various di-
 169 mensions of human well-being. In collaboration with
 170 Vietnam’s General Statistics Office (GSO), the survey
 171 adheres to the international MICS6 methodology de-
 172 veloped by UNICEF, ensuring comparability across
 173 different countries and regions.

174 The fieldwork was conducted from November 18,
 175 2020, to February 3, 2021, utilizing a two-stage sam-
 176 pling method based on the 2019 Vietnam Popula-
 177 tion and Housing Census. A total of 700 enumer-
 178 ation areas (EAs) were selected systematically with
 179 probability proportional to size, followed by the sys-
 180 tematic selection of 20 households in each EA. Field
 181 staff underwent intensive training on interview tech-
 182 niques and Computer-Assisted Personal Interviewing
 183 (CAPI) methods from October 26 to November 12,
 184 2020. Data collection was executed by 32 teams, each
 185 comprising three interviewers and a supervisor, using
 186 tablet computers running the CAPI application.

187 Respondents were encouraged to participate through
 188 clear communication of the survey’s purpose via a
 189 “Letter to households” and were assured of the con-
 190 fidentiality of their information. Verbal consent was
 191 obtained before participation, and respondents were
 192 informed of their voluntary participation rights, in-
 193 cluding the option to decline or terminate interviews
 194 without repercussions. Supervisors closely moni-
 195 tored daily fieldwork, implementing mandatory re-
 196 interviews for one household per cluster to ensure

197 data quality. Additionally, weekly field check tables
 198 (FCTs) were analyzed for accuracy. The data collec-
 199 tion were processed, and anonymized datasets were
 200 made publicly available for legitimate research. This
 201 rigorous and ethically guided approach ensured high-
 202 quality and reliable data for the survey.

203 The MICS6-VN dataset encompasses many indica-
 204 tors, including health, education, nutrition, and water
 205 and sanitation. By gathering comprehensive house-
 206 hold data, the survey provides valuable insights into
 207 health behaviors, access to services, and disparities in
 208 living conditions. These insights are crucial for poli-
 209 cymakers, researchers, and organizations working to
 210 enhance the quality of life in Vietnam and monitor
 211 progress toward national and international develop-
 212 ment objectives, including the Sustainable Develop-
 213 ment Goals (SDGs).

214 Although primarily designed to assess the well-being
 215 of children, the MICS6-VN survey also includes rele-
 216 vant questions regarding men’s health and social be-
 217 haviors. These questions are essential for understand-
 218 ing men’s health risks and challenges, which can im-
 219 pact family health and community well-being. Re-
 220 garding smoking behavior, surveyed men are asked
 221 several questions about smoking. These questions can
 222 be recorded as: (i) whether the individual has ever
 223 tried cigarette smoking, (ii) whether the individual
 224 is currently smoking cigarettes, (iii) whether the indi-
 225 vidual has smoked every day in the past month, and
 226 (iv) how many cigarettes the individual smoked in the
 227 last 24 hours. Accordingly, for each item from (i) to
 228 (iii), we assign the value of 1 if the answer is Yes, and
 229 0 if the answer is No to the question.

230 Regarding their feeling of being happy or unhappy,
 231 surveyed men are asked to rate their overall happi-
 232 ness. The scale ranges from 1 to 5, with the value of 1
 233 signifies being Very Happy and 5 signifies being Very
 234 Unhappy. Our main explanatory variable, labeled as
 235 Being Unhappy, is then constructed as an indicator,
 236 taking the value of 1 if the rating is 3 or above and
 237 0 otherwise. In addition, other individual character-
 238 istics used in our quantitative analysis, such as indi-
 239 vidual age, educational level, wealth status, marital
 240 status, number of children, and whether the personal
 241 lives in a rural area, are also taken from this data.

242 Our sample consists of approximately 5,000 Viet-
 243 namese men surveyed between 2020 and 2021. De-
 244 scriptive statistics for the dependent and control vari-
 245 ables are detailed in Table 1. Panel A presents the
 246 statistics related to smoking behavior. Among the
 247 respondents, 56.1% have previously tried smoking,
 248 35.5% are currently smokers, 31.7% smoke daily, and
 249 the average number of cigarettes smoked in the last 24

Table 1: Summary Statistics

	Mean	SD	N
	(1)	(2)	(3)
Panel A: Dependent Variables			
Ever Tried Smoking	0.561	0.496	4,922
Currently Smoking	0.355	0.479	4,795
Smoking Everyday	0.317	0.465	3,862
Cigarettes last 24 hours	4.629	7.013	3,862
Panel B: Independent Variables			
Being Unhappy	0.314	0.464	4,919
Age	32.63	9.677	4,924
Highschool Completion	0.508	0.500	5,429
Being Poor	0.590	0.492	5,429
Living in Rural	0.695	0.460	5,423
Being Married	0.691	0.462	4,924
Number of Children	1.511	1.336	4,924

hours is 4.629. Panel B provides details on the control variables and our primary explanatory variable, "Being Unhappy." This variable has a mean value of 0.314, indicating that 31.4% of the surveyed men report experiencing unhappiness. The average age of the respondents is approximately 32.63 years. The proportion of men who have completed high school education is 50.8%. Approximately 59% of the participants fall into the lower or middle wealth quintiles, 69.5% reside in rural areas, and 69.1% are married. Additionally, the average number of children reported by the men in the sample is approximately 1.511.

EMPIRICAL METHODOLOGY

The regression framework is particularly well-suited for this study as it provides a robust method to analyze the relationship between unhappiness and smoking behavior while accounting for other influencing factors. This approach allows the researchers to quantify how changes in unhappiness influence various smoking behaviors, such as the likelihood of trying smoking, smoking daily, or the number of cigarettes consumed. By capturing the strength and direction of these relationships, the regression model offers precise estimates critical for drawing meaningful conclusions.

A significant advantage of the regression framework is its ability to control for confounding variables. Smok-

ing behavior is affected by numerous factors, including age, education, marital status, wealth, and rural or urban residency. By incorporating these variables into the analysis, the model ensures that the impact of unhappiness on smoking is not conflated with these other factors. This control is essential for isolating the actual effect of emotional well-being on smoking behavior.

The study utilizes a fixed effects regression framework to analyze the relationship between unhappiness and smoking behavior among Vietnamese men. The method is designed to account for unobserved heterogeneity by controlling for fixed characteristics at the residential cluster level, survey year, and survey month. Using a fixed effects regression model further enhances the appropriateness of the method. Fixed effects account for unobserved, time-invariant characteristics at the residential cluster level and variations by survey year and month. This feature is significant in this study because factors such as cultural norms, regional differences, or persistent environmental influences could affect both unhappiness and smoking behavior. By controlling for these unmeasured variables, the fixed effects model ensures that the results reflect the direct relationship between unhappiness and smoking.

To examine the influence of happiness on smoking behavior among Vietnamese men, we utilize a fixed effects regression framework as follows:

$$Y_{ijym} = \beta_0 + \beta_1 \text{BeingUnhappy}_{jym} + \lambda_j + \gamma_y + \delta_m + X'_{ijym}\Omega + \varepsilon_{ijym} \quad (2)$$

Here, the subscripts i, j, y, and m correspond to individual, residential cluster, survey year, and survey month, respectively. The dependent variable Y_{ijym} encompasses various metrics of smoking behavior (refer to Table 1), such as whether the respondent has ever tried smoking, is currently smoking, smokes daily, and the number of cigarettes smoked in the last 24 hours. These metrics provide a comprehensive understanding of smoking patterns among the surveyed individuals.

The focal explanatory variable, $\text{BeingUnhappy}_{jym}$, signifies whether the individual feels unhappy. A one-unit increase in ExtremeHeat_{jym} can be interpreted as feeling sad. The set $\{\lambda_j, \gamma_y, \delta_m\}$ represents fixed effects for residential cluster, survey year, and survey month, respectively. The vector X'_{ijym} incorporates individual characteristics, as delineated in Table 1, encompassing individual age, age-squared, educational level, wealth status, marital status, number of children, and whether the personal lives in the rural area. Finally, the term ε_{ijym} stands for the error term. Standard errors throughout the paper are clustered at the residential cluster level. The key coefficient of interest is β_1 , which captures the impacts of feeling unhappy on various metrics of smoking behavior.

The fixed effects regression framework aligns with and operationalizes the theoretical perspectives mentioned in Section 2. The Stress-Coping Model is integrated through the interpretation of the primary explanatory variable (Being Unhappy) which captures the emotional distress hypothesized to drive smoking behaviors. By isolating the impact of unhappiness on smoking, the regression model quantifies the extent to which emotional discomfort translates into specific smoking outcomes, such as the likelihood of smoking daily or the number of cigarettes consumed.

The Self-Medication Theory is reflected in the analysis by demonstrating how unhappiness influences increased smoking behavior. The regression coefficients, particularly for daily smoking and the number of cigarettes smoked, provide empirical support for the theory's assertion that individuals may use smoking as a means to alleviate psychological distress. Behavioral Economics is incorporated into the framework by highlighting how the decision to smoke, influenced by unhappiness, prioritizes short-term emotional relief over long-term health risks. The findings, such as the significant increase in smoking likelihood among unhappy individuals, align with the theory's emphasis on immediate gratification and the undervaluation of future consequences.

The study bridges the gap between abstract theoretical constructs and measurable empirical outcomes by embedding these theoretical insights into the regression analysis. This integration strengthens the validity of the results and provides a nuanced understanding of how emotional well-being interacts with smoking behaviors in a developing country context.

RESULTS

Main Results

The quantified impacts of unhappiness on smoking behavior metrics are detailed in Tables 2 and 3. First, Table 2 presents our most parsimonious estimates, focusing exclusively on the main explanatory variable, i.e. Being Unhappy. These estimates result from a direct comparison of smoking behaviors among Vietnamese men. The findings reveal that unhappiness increases Vietnamese men's likelihood of (i) having ever tried smoking by 8.1 percentage points, (ii) recent smoking by 7.3 percentage points, (iii) daily smoking by 6.6 percentage points, and (iv) the number of cigarettes smoked in the last 24 hours by 1.017 cigarettes. All estimates are statistically significant at the 1% level.

The coefficients in regression analysis are interpreted as marginal effects because they quantify the direct impact of changes in the independent variable (Being Unhappy) on the dependent variables, holding all other factors constant. For binary dependent variables, such as "Ever Tried Smoking," "Currently Smoking," and "Smoking Daily," the coefficients represent the change in the probability of the event occurring when an individual shifts from not unhappy (coded as 0) to unhappy (coded as 1). For instance, the coefficient for "Ever Tried Smoking" is 0.081, indicating that being unhappy increases the likelihood of having ever tried smoking by 8.1 percentage points. Similarly, for "Currently Smoking," the coefficient of 0.073 signifies that unhappiness raises the possibility of recent smoking by 7.3 percentage points. In contrast, the coefficient of 0.066 for "Smoking Daily" implies a 6.6 percentage point increase in daily smoking probability.

For continuous dependent variables, such as the "Number of Cigarettes Smoked in the Last 24 Hours," the coefficients measure the average change in the dependent variable associated with a one-unit increase in the independent variable. The coefficient of 1.017 indicates that unhappiness leads to an additional 1.017 cigarettes smoked on average in the past 24 hours. This interpretation is straightforward because the coefficients directly represent additive effects on the dependent variable in a linear regression

411 framework with a continuous outcome.
 412 When benchmarked against the sample averages for
 413 each smoking behavior (as detailed in Table 1), un-
 414 happiness is associated with increases relative to the
 415 sample averages of: (i) 14.4% in the incidence of hav-
 416 ing ever tried smoking, (ii) 20.56% in recent smoking,
 417 (iii) 20.82% in daily smoking, and (iv) 21.97% in the
 418 number of cigarettes smoked in the last 24 hours. This
 419 granular breakdown provides a nuanced understand-
 420 ing of how unhappiness differentially impacts various
 421 forms of smoking behavior.

422 However, the estimates presented in Table 2 primar-
 423 ily reflect the correlation between unhappiness and
 424 smoking behavior, without accounting for critical fac-
 425 tors that may simultaneously influence both variables.
 426 For example, individuals with lower levels of educa-
 427 tion may be more likely to experience unhappiness.
 428 They may also lack awareness of the dangers of smok-
 429 ing and other risky health-related behaviors.^{18,24} In
 430 such cases, education could be a significant factor
 431 driving variations in smoking behavior rather than
 432 unhappiness alone. To address these concerns, we in-
 433 clude additional controls for individual characteris-
 434 tics, such as age, age squared, educational level, wealth
 435 status, marital status, number of children, and rural
 436 residence. Furthermore, we incorporate residential
 437 cluster area and survey month-year fixed effects into
 438 the regression model to mitigate potential biases aris-
 439 ing from macro-level characteristics, such as socio-
 440 cultural trends.

441 Our most comprehensive model, detailed in Table 3,
 442 confirms that the impact of being unhappy on vari-
 443 ous forms of smoking behavior remains statistically
 444 significant. Specifically, unhappiness is associated
 445 with an increase in the likelihood of (i) having ever
 446 tried smoking by 7.3 percentage points, (ii) smok-
 447 ing recently by 10.0 percentage points, (iii) smoking
 448 daily by 7.8 percentage points, and (iv) the number
 449 of cigarettes smoked in the last 24 hours by 1.505
 450 cigarettes. These estimates are statistically significant
 451 at the 1% level.

452 When compared to the sample averages for each type
 453 of smoking behavior (as shown in Table 1), unhappi-
 454 ness results in increases relative to these averages of:
 455 (i) 13.01% in the incidence of having ever tried smok-
 456 ing, (ii) 28.17% in recent smoking, (iii) 24.60% in daily
 457 smoking, and (iv) 32.51% in the number of cigarettes
 458 smoked in the last 24 hours.

459 **Robustness**

460 Recall that our primary explanatory variable, Being
 461 Unhappy, derives from the unhappiness rating of 1

(Very Happy) to 5 (Very Unhappy). This variable is
 462 coded as 1 if the rating is 3 or above and 0 otherwise.
 463 It is also essential to ensure that the observed effects
 464 are truly associated with the individual actually being
 465 unhappy rather than the method of variable construc-
 466 tion. A common exercise to address such concern
 467 is performing a robustness check using an alternative
 468 construction method.
 469

470 To do so, we utilize the raw unhappiness rating (rang-
 471 ing from 1 to 5) as the explanatory variable in place
 472 of the coded measure. We then re-estimate our most
 473 comprehensive model (as detailed in Table 3) and
 474 present the results in Table 4. The findings continue
 475 to show a significant association between unhappi-
 476 ness and various forms of smoking behavior. In par-
 477 ticular, each one-unit increase in the raw measure of
 478 unhappiness is associated with increases in the like-
 479 lihood of (i) having ever tried smoking by 3.9 per-
 480 centage points, (ii) smoking recently by 5.0 percent-
 481 age points, (iii) smoking daily by 3.3 percentage points,
 482 and (iv) the number of cigarettes smoked in the last
 483 24 hours by 0.857 cigarettes. All estimates remain
 484 statistically significant. However, we caution that us-
 485 ing the raw categorical unhappiness rating is less ideal
 486 due to the uneven distribution of intervals between
 487 the rating points (1 to 5). Thus, while this robustness
 488 check supports the main findings, the coded variable
 489 remains the preferred measure for its precision and
 490 consistency.

491 In addition to utilizing the raw unhappiness rating,
 492 we conduct a further sensitivity analysis by recod-
 493 ing an alternative indicator. This new indicator is as-
 494 signed a value of 1 if the unhappiness rating is 4 or
 495 above, and 0 otherwise, instead of the original thresh-
 496 old of 3. The results of this sensitivity analysis are
 497 presented in Table 5. The findings indicate that, ac-
 498 cording to this recoded measure of unhappiness, the
 499 incidence of (i) having ever tried smoking increases
 500 by 11.9 percentage points, (ii) smoking recently in-
 501 creases by 18.0 percentage points, (iii) smoking daily
 502 increases by 17.3 percentage points, and (iv) the num-
 503 ber of cigarettes smoked in the last 24 hours increases
 504 by 4.105 cigarettes. All estimates remain statistically
 505 significant. It is important to note that this new mea-
 506 sure of unhappiness reflects a more severe level than
 507 the original indicator, as the threshold for being clas-
 508 sified as unhappy has been elevated from 3 to 4. Con-
 509 sequently, the estimates presented in Table 5 are more
 510 significant than those reported in Table 3.

511 To this point, all of our regressions have utilized sam-
 512 pling weights. However, there is some debate regard-
 513 ing using sampling weights in regression analyses, as

Table 2: Being Unhappy and Smoking - Baseline Results

	Ever Tried	Currently	Smoking	Cigarettes
	Smoking	Smoking	Everyday	last 24 hours
	(1)	(2)	(3)	(4)
Being Unhappy	0.081*** (0.015)	0.073*** (0.016)	0.066*** (0.017)	1.017*** (0.243)
Observations	4916	4789	3856	3856
Individual Characteristics	.	.	.	.
Time Fixed Effects	.	.	.	.
Cluster Fixed Effects	.	.	.	.

Note: *p<0.1, **p<0.05, ***p<0.01. Sampling weights are applied. Robust standard errors are clustered at the residential cluster area level. Each column represents the coefficient in a separate regression. Individual Characteristics include individual age, age-squared, educational level, wealth status, marital status, number of children, and whether the individual lives in the rural area. Cluster & Time Fixed Effects include residential cluster area and survey month-year fixed effects.

Table 3: Being Unhappy and Smoking - Main Results

	Ever Tried	Currently	Smoking	Cigarettes
	Smoking	Smoking	Everyday	last 24 hours
	(1)	(2)	(3)	(4)
Being Unhappy	0.073*** (0.021)	0.100*** (0.022)	0.078*** (0.025)	1.505*** (0.379)
Observations	4911	4784	3834	3834
Individual Characteristics	X	X	X	X
Time Fixed Effects	X	X	X	X
Cluster Fixed Effects	X	X	X	X

Note: *p<0.1, **p<0.05, ***p<0.01. Sampling weights are applied. Robust standard errors are clustered at the residential cluster area level. Each column represents the coefficient in a separate regression. Individual Characteristics include individual age, age-squared, educational level, wealth status, marital status, number of children, and whether the individual lives in the rural area. Cluster & Time Fixed Effects include residential cluster area and survey month-year fixed effects.

weighting can potentially reduce efficiency and statistical power.²⁵⁻²⁹ In response, we conduct a third robustness check by excluding the sampling weights from our regression models while keeping the primary explanatory variable consistent with those reported in Table 2 and Table 3. The results of this robustness check, presented in Table 6, indicate that removing sampling weights does not substantially alter our findings. Specifically, unhappiness is associated with an increase in the incidence of (i) hav-

ing ever tried smoking by 5.1 percentage points, (ii) smoking recently by 6.6 percentage points, (iii) smoking daily by 6.3 percentage points, and (iv) the number of cigarettes smoked in the last 24 hours by 0.829 cigarettes. All estimates remain statistically significant, and the magnitudes of the effects are consistent with those found when sampling weights are applied. Thus, our results demonstrate robustness to the exclusion of sampling weights, reinforcing the reliability of our findings.

Table 4: Robustness 1 - Uncoded Measurement of Happiness

	Ever Tried	Currently	Smoking	Cigarettes
	Smoking	Smoking	Everyday	last 24 hours
	(1)	(2)	(3)	(4)
Uncoded Being Unhappy	0.039*** (0.013)	0.050*** (0.014)	0.033** (0.015)	0.857*** (0.249)
Observations	4911	4784	3834	3834
Individual Characteristics	X	X	X	X
Time Fixed Effects	X	X	X	X
Cluster Fixed Effects	X	X	X	X

Note: *p<0.1, **p<0.05, ***p<0.01. Sampling weights are applied. Robust standard errors are clustered at the residential cluster area level. Each column represents the coefficient in a separate regression. Individual Characteristics include individual age, age-squared, educational level, wealth status, marital status, number of children, and whether the individual lives in a rural area. Cluster & Time Fixed Effects include residential cluster area and survey month-year fixed effects.

Table 5: Robustness 2 - Recoded Measurement of Happiness

	Ever Tried	Currently	Smoking	Cigarettes
	Smoking	Smoking	Everyday	last 24 hours
	(1)	(2)	(3)	(4)
Recoded Being Unhappy	0.119** (0.057)	0.180** (0.091)	0.173** (0.075)	4.105*** (1.522)
Observations	4911	4784	3834	3834
Individual Characteristics	X	X	X	X
Time Fixed Effects	X	X	X	X
Cluster Fixed Effects	X	X	X	X

Note: *p<0.1, **p<0.05, ***p<0.01. Sampling weights are applied. Robust standard errors are clustered at the residential cluster area level. Each column represents the coefficient in a separate regression. Individual Characteristics include individual age, age-squared, educational level, wealth status, marital status, number of children, and whether the individual lives in the rural area. Cluster & Time Fixed Effects include residential cluster area and survey month-year fixed effects.

534 DISCUSSION AND CONCLUSION

535 This paper advances the literature by investigating
 536 the effects of unhappiness on various forms of smok-
 537 ing behavior, utilizing a sample of approximately
 538 5,000 men across Vietnam surveyed between 2020
 539 and 2021. Our analysis leverages comprehensive
 540 data from the United Nations International Children’s
 541 Emergency Fund - Multiple Indicator Cluster Survey
 542 6 Vietnam dataset. Employing a fixed effects regres-

sion framework that capitalizes on spatial and tempo- 543
 544 ral variations in socio-cultural patterns, our findings
 545 reveal a significant positive correlation between un-
 546 happiness and smoking incidence among Vietnamese
 547 men.

Collectively, our results demonstrate that unhappi- 548
 549 ness is associated with increases in the incidence of
 550 smoking among Vietnamese men: specifically, an in-
 551 crease of 7.3 percentage points in the likelihood of
 552 having ever tried smoking, 10.0 percentage points in

615 associated with smoking-related illnesses. Smoking
 616 imposes a significant financial burden on individu-
 617 als and healthcare systems, encompassing both direct
 618 costs, such as medical treatments, and indirect costs,
 619 including lost productivity due to illness and prema-
 620 ture mortality. Our research contributes to iden-
 621 tifying preventive strategies that enhance emotional
 622 well-being and potentially reduce smoking preva-
 623 lence. Moreover, if interventions designed to increase
 624 happiness are shown to decrease smoking rates effec-
 625 tively, they could inform policy decisions to priori-
 626 tize mental health and preventive care, yielding long-
 627 term economic benefits. The presenting topic further
 628 aligns with several Sustainable Development Goals
 629 (SDGs) adopted by all United Nations members, no-
 630 tably SDG 3 (Good Health and Well-being), SDG 8
 631 (Decent Work and Economic Growth), and SDG 12
 632 (Responsible Consumption and Production).

633 The mechanism underlying the observed increase in
 634 smoking behavior among unhappy Vietnamese men
 635 can be elucidated through a confluence of emotional,
 636 psychological, and social factors. First, Nicotine, a
 637 primary component of tobacco, stimulates the release
 638 of dopamine, which is a neurotransmitter associated
 639 with pleasure and relaxation. This neurochemical re-
 640 sponse provides a temporary reprieve from feelings of
 641 unhappiness, thereby making smoking a commonly
 642 utilized coping mechanism for managing stress, anxiety,
 643 and other negative emotions.⁹ Consequently, in-
 644 dividuals experiencing unhappiness are more likely to
 645 resort to smoking in an effort to alleviate emotional
 646 distress. Furthermore, unhappiness may increase sus-
 647 ceptibility to peer pressure or social influence, par-
 648 ticularly in social contexts where smoking is preva-
 649 lent.^{7,8} In Vietnam, smoking is culturally ingrained
 650 among men, which may lead unhappy individuals to
 651 adopt this behavior as a means of social integration or
 652 acceptance.

653 Unhappiness can also diminish an individual's moti-
 654 vation to engage in health-promoting behaviors.^{9,11}
 655 When individuals are unhappy, they may prioritize
 656 immediate emotional relief over long-term health
 657 benefits, thereby increasing the likelihood of smok-
 658 ing. This tendency can contribute to both smoking
 659 initiation and sustained smoking. Once smoking be-
 660 comes a coping strategy, the addictive properties of
 661 nicotine reinforce the behavior, as the brain associates
 662 smoking with relief from negative emotions.^{17,30,31}
 663 This cycle of addiction exacerbates the frequency and
 664 intensity of smoking behaviors, leading to higher rates
 665 of daily smoking and increased cigarette consump-
 666 tion, as evidenced by the additional 1.505 cigarettes

667 smoked in the last 24 hours. Moreover, chronic un-
 668 happiness often manifests as persistent stress, which
 669 can reinforce habitual smoking patterns. Over time,
 670 men who experience ongoing negative emotions may
 671 integrate smoking into their daily routines, further
 672 contributing to the elevated rates of daily smoking ob-
 673 served in this study.

674 Our study underscores a significant association be-
 675 tween unhappiness and increased smoking behavior
 676 among Vietnamese men. This relationship highlights
 677 the necessity for policy interventions that integrate
 678 both emotional well-being and traditional smoking
 679 cessation strategies. To effectively tackle this issue,
 680 several policy implications emerge from the findings,
 681 each with practical applications aimed at reducing
 682 smoking rates and improving overall mental health.
 683 First, the observed correlation between unhappiness
 684 and smoking behavior suggests that smoking cessa-
 685 tion programs should incorporate mental health sup-
 686 port. Public health initiatives aimed at reducing
 687 smoking should integrate mental health counseling
 688 and emotional support as core components. Health-
 689 care providers, especially those in smoking cessation
 690 clinics, should be trained to identify and address emo-
 691 tional distress. Implementing interventions such as
 692 cognitive behavioral therapy can assist individuals
 693 in managing negative emotions without resorting to
 694 smoking. Increasing access to mental health services,
 695 particularly for high-risk groups, should be priori-
 696 tized. Offering free or subsidized mental health ser-
 697 vices can help address the emotional factors driving
 698 smoking behavior.

699 Addressing emotional triggers through targeted inter-
 700 ventions can potentially reduce smoking rates. A na-
 701 tionwide campaign focused on mental health aware-
 702 ness could play a crucial role in this effort. Such
 703 campaigns should highlight the link between emo-
 704 tional well-being and smoking cessation. Collabora-
 705 tion with schools, workplaces, and community cen-
 706 ters to offer stress management workshops, mind-
 707 fulness training, and emotional well-being seminars
 708 can help individuals develop healthier coping mech-
 709 anisms. Media campaigns emphasizing the im-
 710 portance of emotional well-being and providing re-
 711 sources for seeking help can further support this ini-
 712 tiative. Prioritizing groups experiencing higher levels
 713 of stress or unhappiness is essential for effective smok-
 714 ing prevention. Identifying high-risk groups, such as
 715 low-income individuals, those facing unemployment,
 716 or those with existing mental health issues, allows for
 717 more focused interventions. Community-based men-
 718 tal health outreach programs in areas with high smok-
 719 ing rates can ensure access to both emotional and be-

720 havioral support. Additionally, partnerships with em- 720
 721 ployers and educational institutions can create sup- 721
 722 port networks for individuals at risk of smoking due 722
 723 to emotional distress, offering confidential counseling 723
 724 and smoking cessation programs. 724

725 The workplace presents a significant opportunity for 725
 726 addressing smoking related to stress or unhappiness. 726
 727 Employers should be encouraged to implement men- 727
 728 tal health and well-being programs. One such mea- 728
 729 sure is employee assistance programs that provide 729
 730 counseling and smoking cessation support. Develop- 730
 731 ing stress reduction programs that address the root 731
 732 causes of smoking, such as high-stress job environ- 732
 733 nments, could include flexible work hours, wellness 733
 734 activities, and mental health days. Incentive-based 734
 735 smoking cessation programs within the workplace 735
 736 can also motivate employees to engage in both smok- 736
 737 ing cessation and mental well-being initiatives. 737

738 Tobacco control policies should extend beyond tradi- 738
 739 tional measures, such as taxation and smoking bans, 739
 740 to include strategies that promote mental health and 740
 741 well-being. Amending existing tobacco control poli- 741
 742 cies to incorporate provisions for mental health ser- 742
 743 vices can enhance public health outcomes. Utilizing 743
 744 tax revenue from tobacco sales to fund mental health 744
 745 initiatives, including free therapy access and smoking 745
 746 cessation support, is a practical approach. Collaborat- 746
 747 ing with non-governmental organizations to establish 747
 748 community-based support groups that address both 748
 749 smoking cessation and mental well-being can further 749
 750 reinforce these efforts. 750

751 Incorporating metrics related to happiness and emo- 751
 752 tional well-being into public health monitoring is es- 752
 753 sential for understanding their influence on smok- 753
 754 ing behavior. Including such indicators in national 754
 755 health surveys and smoking behavior studies can pro- 755
 756 vide valuable insights. This data can inform the devel- 756
 757 opment of personalized smoking cessation programs 757
 758 tailored to individuals' emotional health, thereby en- 758
 759 hancing the effectiveness of interventions. Educa- 759
 760 tional initiatives that focus on teaching emotional 760
 761 coping skills from a young age can also prevent 761
 762 the development of smoking habits. Implementing 762
 763 school-based programs that teach emotional regula- 763
 764 tion, stress management, and coping strategies can re- 764
 765 duce the likelihood of students turning to smoking 765
 766 later in life. Integrating mental health education into 766
 767 school curricula can help destigmatize mental health 767
 768 support and promote healthier lifestyle choices from 768
 769 an early age. 769

770 Overall, the findings of this research underscore the 770
 771 crucial role of emotional well-being in influencing 771

772 smoking behavior among Vietnamese men. To effec- 772
 773 tively reduce smoking rates, a multifaceted approach 773
 774 that simultaneously addresses smoking cessation and 774
 775 mental health is essential. Integrating mental health 775
 776 support into smoking cessation programs, promoting 776
 777 emotional well-being through nationwide campaigns, 777
 778 targeting high-risk populations, and implementing 778
 779 comprehensive tobacco control policies represent key 779
 780 strategies. By adopting these measures, Vietnam can 780
 781 develop a more effective public health strategy that re- 781
 782 duces smoking prevalence and enhances the overall 782
 783 well-being of its population. 783

784 ABBREVIATIONS

- 785 SDG: Sustainable Development Goal
- 786 UNICEF: United Nations International Children's
- 787 Emergency Fund
- 788 MICS6-VN: Multiple Indicator Cluster Survey 6 Viet-
- 789 nam
- 790 EA: Enumeration area
- 791 CAPI: Computer-Assisted Personal Interviewing
- 792 FCT: Field check tables

793 CONFLICT OF INTEREST

794 The authors declare that they have no competing in- 794
 795 terests 795

796 AUTHOR CONTRIBUTIONS

797 Kien Le: writing, review, editing, data curation, and 797
 798 formal analysis 798

799 REFERENCES

- 800 1. World Health Organization. Tobacco [Internet]. Geneva: 800
 801 World Health Organization; 2023 Jul 31 [cited 2023 Aug 801
 802 18]; Available from: [https://www.who.int/news-room/fact-](https://www.who.int/news-room/fact-sheets/detail/tobacco) 802
 803 [sheets/detail/tobacco](https://www.who.int/news-room/fact-sheets/detail/tobacco). 803
- 804 2. Soriano JB, Kendrick PJ, Paulson KR, Gupta V, Abrams EM, Ade- 804
 805 doyin RA, et al. Prevalence and attributable health burden of 805
 806 chronic respiratory diseases, 1990–2017: a systematic analy- 806
 807 sis for the Global Burden of Disease Study 2017. *Lancet Respir* 807
 808 *Med.* 2020;8(6):585–96;. 808
- 809 3. Gallucci G, Tartarone A, Lerose R, Lalinga AV, Capobianco AM. 809
 810 Cardiovascular risk of smoking and benefits of smoking ces- 810
 811 sation. *J Thorac Dis.* 2020;12(7):3866;. 811
- 812 4. Dai X, Gil GF, Reitsma MB, Ahmad NS, Anderson JA, Bisignano 812
 813 C, et al. Health effects associated with smoking: a Burden of 813
 814 Proof study. *Nat Med.* 2022;28(10):2045–55;. 814
- 815 5. De Silva R, Silva D, Piumika L, Abeysekera I, Jayathilaka R, Ra- 815
 816 jamanthri L, et al. Impact of global smoking prevalence on 816
 817 mortality: a study across income groups. *BMC Public Health.* 817
 818 2024;24(1):1786;. 818
- 819 6. Global Burden of Disease 2017 Risk Factor Collaborators. 819
 820 Global, regional, and national comparative risk assessment 820
 821 of 84 behavioural, environmental and occupational, and 821
 822 metabolic risks or clusters of risks for 195 countries and ter- 822
 823 ritories, 1990–2017: A systematic analysis for the Global Bur- 823
 824 den of Disease Study 2017. Seattle (WA): Institute for Health 824
 825 Metrics and Evaluation; 2018;. 825
- 826 7. Christakis NA, Fowler JH. The collective dynamics of smoking 826
 827 in a large social network. *N Engl J Med.* 2008;358(21):2249–58;. 827

- 828 8. Hiscock R, Bauld L, Amos A, Fidler JA, Munafò M. Socioeconomic status and smoking: a review. *Ann N Y Acad Sci.* 2012;1248(1):107–23;.
829
830
- 831 9. Zlomuzica A, Lange M, Reher S, Machulska A, Rinck M. The effects of psychological stress on approach tendencies for smoking-related cues in smokers. *Eur J Neurosci.* 2022;55(9–10):2581–91;.
832
833
834
- 835 10. Le Foll B, Piper ME, Fowler CD, Tonstad S, Bierut L, Lu L, et al. Tobacco and nicotine use. *Nat Rev Dis Primers.* 2022;8(1):19;.
836
837 11. Roberts A, Rogers J, Mason R, Siriwardena AN, Hogue T, Whitley GA, et al. Alcohol and other substance use during the COVID-19 pandemic: A systematic review. *Drug Alcohol Depend.* 2021;229:109150;.
838
839
840
- 841 12. Lazarus RS. *Stress, appraisal, and coping.* New York: Springer; 1984;.
842
- 843 13. Derogatis LR, Melisaratos N. The brief symptom inventory: an introductory report. *Psychol Med.* 1983;13(3):595–605;.
844
- 845 14. Khantzian EJ. The self-medication hypothesis of substance use disorders: A reconsideration and recent applications. *Harv Rev Psychiatry.* 1997;4(5):231–44;.
846
847
- 848 15. Ainslie G. *Picoeconomics: The strategic interaction of successive motivational States within the person.* Cambridge: Cambridge University Press; 1992;.
849
850
- 851 16. Loewenstein G. Out of control: Visceral influences on behavior. *Organ Behav Hum Decis Process.* 1996;65(3):272–92;.
852
- 853 17. Sinha R. How does stress increase risk of drug abuse and relapse?. *Psychopharmacology (Berl).* 2001;158:343–57;.
854
- 855 18. Silventoinen K, Piirtola M, Jelenkovic A, Sund R, Tarnoki AD, Tarnoki DL, et al. Smoking remains associated with education after controlling for social background and genetic factors in a study of 18 twin cohorts. *Sci Rep.* 2022;12(1):13148;.
856
857
858
- 859 19. Iwon K, Skibinska J, Jasielska D, Kalwarczyk S. Elevating subjective well-being through physical exercises: an intervention study. *Front Psychol.* 2021;12:702678;.
860
861
- 862 20. Corral-Verdugo V, Mireles-Acosta JF, Tapia-Fonllem C, Frajjo-Sing B. Happiness as correlate of sustainable behavior: A study of pro-ecological, frugal, equitable and altruistic actions that promote subjective wellbeing. *Hum Ecol Rev.* 2011;18(2):95–104;.
863
864
865
866
- 867 21. Thompson A, Bruk-Lee V. Employee happiness: why we should care. *Appl Res Qual Life.* 2021;16(4):1419–37;.
868
- 869 22. Uh S, Dalmaijer ES, Siugzdaite R, Ford TJ, Astle DE. Two pathways to self-harm in adolescence. *J Am Acad Child Adolesc Psychiatry.* 2021;60(12):1491–500;.
870
871
- 872 23. Wu Y, Zhang Y, Wang C, Huang B. A meta-analysis on the lifetime and period prevalence of self-injury among adolescents with depression. *Front Public Health.* 2024;12:1434958;.
873
874
- 875 24. Le K, Nguyen M. Shedding light on maternal education and child health in developing countries. *World Dev.* 2020;133:105005;.
876
877
- 878 25. Winship C, Radbill L. Sampling weights and regression analysis. *Sociol Methods Res.* 1994;23(2):230–57;.
879
- 880 26. Gelman A. Struggles with survey weighting and regression modeling. *Stat Sci.* 2007;22(2):153–64;.
881
- 882 27. Solon G, Haider SJ, Wooldridge JM. What are we weighting for?. *J Hum Resour.* 2015;50(2):301–16;.
883
- 884 28. Nguyen M, Le K. Maternal education and son preference. *Int J Educ Dev.* 2022;89:102552;.
885
- 886 29. Le K, Nguyen M. The impacts of armed conflict on child health: Evidence from 56 developing countries. *J Peace Res.* 2023;60(2):243–57;.
887
888
- 889 30. Fagerstrom KO, Schneider NG. Measuring nicotine dependence: a review of the Fagerstrom Tolerance Questionnaire. *J Behav Med.* 1989;12:159–82;.
890
891
- 892 31. Heishman SJ, Kleykamp BA, Singleton EG. Meta-analysis of the acute effects of nicotine and smoking on human performance. *Psychopharmacology (Berl).* 2010;210:453–69;.
893
894

Sự bất hạnh và hành vi hút thuốc ở nam giới Việt Nam

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TÓM TẮT

Hút thuốc lá vẫn là một trong những hành vi gây hại cho sức khỏe phổ biến nhất trên toàn cầu. Việc hút thuốc tiếp tục là một thách thức lớn đối với y tế công cộng do tính gây nghiện của nó, khiến việc cai thuốc trở nên khó khăn, cùng với những hậu quả nghiêm trọng về sức khỏe và kinh tế do việc sử dụng thuốc lá kéo dài. Nghiên cứu gần đây đã bắt đầu khám phá mối liên hệ giữa sức khỏe tâm lý và hành vi hút thuốc, nhằm làm rõ cách trạng thái cảm xúc có thể ảnh hưởng đến các hành vi liên quan đến sức khỏe. Nghiên cứu này xem xét mối quan hệ giữa sự bất hạnh và hành vi hút thuốc ở nam giới Việt Nam, sử dụng dữ liệu từ Multiple Indicator Cluster Survey 6 của UNICEF, bao gồm khoảng 5.000 nam giới được khảo sát trong giai đoạn 2020–2021. Sử dụng mô hình hồi quy với hiệu ứng cố định, phân tích của chúng tôi cho thấy mối tương quan dương đáng kể giữa sự bất hạnh và hành vi hút thuốc. Cụ thể, sự bất hạnh làm tăng khả năng từng thử hút thuốc lá thêm 7,3 điểm phần trăm, hút thuốc gần đây thêm 10,0 điểm phần trăm, hút thuốc hàng ngày thêm 7,8 điểm phần trăm và số lượng thuốc lá hút trong 24 giờ qua thêm 1,505 điếu. Những phát hiện này có ý nghĩa kinh tế đáng kể, đặc biệt liên quan đến chi tiêu y tế công cộng, năng suất lao động và chi phí dài hạn liên quan đến các bệnh do hút thuốc gây ra. Hút thuốc gây ra gánh nặng kinh tế đáng kể đối với cá nhân và hệ thống y tế, bao gồm cả chi phí trực tiếp như điều trị y tế và chi phí gián tiếp như mất năng suất lao động do bệnh tật và tử vong sớm. Nghiên cứu của chúng tôi đóng góp vào việc xác định các chiến lược phòng ngừa nhằm nâng cao sức khỏe tinh thần và có thể giúp giảm tỷ lệ hút thuốc. Hơn nữa, nếu các biện pháp can thiệp nhằm tăng cường hạnh phúc được chứng minh là có hiệu quả trong việc giảm tỷ lệ hút thuốc, chúng có thể cung cấp thông tin hữu ích cho các quyết định chính sách, ưu tiên sức khỏe tâm thần và chăm sóc phòng ngừa, mang lại lợi ích kinh tế lâu dài. Chủ đề nghiên cứu này cũng phù hợp với một số Mục tiêu Phát triển Bền vững (SDGs) của Liên Hợp Quốc, đặc biệt là SDG 3 (Sức khỏe và Cuộc sống tốt đẹp), SDG 8 (Việc làm bền vững và Tăng trưởng kinh tế), và SDG 12 (Tiêu dùng và Sản xuất có trách nhiệm).

Từ khoá: Hạnh phúc, Hút thuốc, Y tế công cộng

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