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Youths' awareness and attitudes towards raising the minimum legal age of smoking and passive smoking in Singapore

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Objectives: Early smoking initiation has been associated with a higher risk of developing long-term smoking habit. There is a growing global consensus that demands raising the minimum legal age (MLA) for smoking as an approach to address this problem. Singapore successfully raised the MLA from 18 to 21 years in 2021. This study aimed to evaluate the awareness and attitude of multi-ethnic Asian youth (aged 15–24) on raising MLA to 21 and passive smoking.

Methods: A cross-sectional survey comprising of 23 items was circulated via a secure internet-based platform, FORMSG between September and November 2022. Data were analyzed for descriptive statistics. Categorical variables were compared for association with receptivity toward change in MLA using Chi-Squared test and multivariable logistic regression analysis using Rstudio. Post-hoc Bonferroni correction were further utilized for pairwise comparison.

Results: Majority (80.3%) of the 608 participants expressed their support for MLA 21 implementation. Participants' age was a significant variable as those aged 15–17 years old (OR = 2.1, 95%CI = 1.01–4.32, $p = 0.048$) showed a higher likelihood of supporting MLA implementation compared to those aged 21 and above. In addition, majority (89.8%) of them were also aware of the harmful effects of passive smoking. When it came to discouraging smoking among youth, family influence (64%) and school education (55.6%) emerged as the top strategies.

Conclusion: Most of the youth express strong support for raising the MLA to 21, with over 80% in favor of such change, reflects a significant harmony among youth in favor of tobacco-free environment.

KEYWORDS

cessation, national health policy, passive smoking, smoking, youth

1 Introduction

Smoking is a major risk factor for cardiovascular, airway diseases, reproductive abnormalities, cancer, and disruption of the immune system (1). A staggering 7.69 million deaths were attributable to smoking and resulted in loss of 200 million Disability Adjusted Life Years (2). However, those who quit smoking between the ages 15 to 34 years had about the

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Table of Contents Teenage Smoking Attitudes In 1996

1. Understanding the eBook Teenage Smoking Attitudes In 1996
 - The Rise of Digital Reading Teenage Smoking Attitudes In 1996
 - Advantages of eBooks Over Traditional Books
2. Identifying Teenage Smoking Attitudes In 1996
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Teenage Smoking Attitudes In 1996
 - User-Friendly Interface
4. Exploring eBook Recommendations from Teenage Smoking Attitudes In 1996
 - Personalized Recommendations
 - Teenage Smoking Attitudes In 1996 User Reviews and Ratings
 - Teenage Smoking Attitudes In 1996 and Bestseller Lists

5. Accessing Teenage Smoking Attitudes In 1996 Free and Paid eBooks
 - Teenage Smoking Attitudes In 1996 Public Domain eBooks
 - Teenage Smoking Attitudes In 1996 eBook Subscription Services
 - Teenage Smoking Attitudes In 1996 Budget-Friendly Options
6. Navigating Teenage Smoking Attitudes In 1996 eBook Formats
 - ePub, PDF, MOBI, and More
 - Teenage Smoking Attitudes In 1996 Compatibility with Devices
 - Teenage Smoking Attitudes In 1996 Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Teenage Smoking Attitudes In 1996
 - Highlighting and Note-Taking Teenage Smoking Attitudes In 1996
 - Interactive Elements Teenage Smoking Attitudes In 1996
8. Staying Engaged with Teenage Smoking Attitudes In 1996
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Teenage Smoking Attitudes In 1996
9. Balancing eBooks and Physical Books Teenage Smoking Attitudes In 1996
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Teenage Smoking Attitudes In 1996
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Teenage Smoking Attitudes In 1996
 - Setting Reading Goals Teenage Smoking Attitudes In 1996
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Teenage Smoking Attitudes In 1996
 - Fact-Checking eBook Content of Teenage Smoking Attitudes In 1996
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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