Analysis of Youth Tobacco Consumption Patterns in India: Insights from the Global Youth Tobacco Survey (GYTS-4), 2019

Abstract

The study offers a comprehensive analysis of tobacco consumption patterns among youth across various states and union territories (UTs) of India, leveraging data from the Global Youth Tobacco Survey (GYTS-4) conducted in 2019. The research encompasses a diverse array of variables, including prevalence rates of both ever and current tobacco use, smoking behaviours, exposure to second hand smoke, awareness of tobacco control policies, and attitudes towards tobacco use. Employing the R programming language, potential analytical techniques span descriptive statistics, data visualization, correlation analysis, comparative assessments across regions, regression modelling to uncover influential factors, clustering methods for regional grouping based on tobacco use trends, time-series analysis to track shifts over time, and spatial analysis for geographical insights. This research endeavour aims to furnish policymakers and public health authorities with actionable insights to craft targeted interventions and policies geared towards curbing youth tobacco use prevalence and fostering healthier lifestyles.