

Introduction to Research BMHP5005 Viva

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Literature Review Focus

- Research Question: What are the risk factors for adolescent smoking?
- Aim: To find out the risk factors in adolescent smoking
- Objectives:

To find out emergent technologies on smoking among adolescents

To identify physical and psychological factors on adolescent smoking

Methods

- Systematic literature review of 10 articles
- Keywords used were:

Physical factors, psychological factors, technology, smoking, cigarette smoking, adolescents, smoking policy and risk factors.

- Data sources:

Pubmed

Methods

- Inclusion Criteria

Only papers that examined the relationship between technological advancements, physical and psychological factors, and smoking among adolescents

Adolescents who were between the age of 10 and 19 years old

Published between 2010 and 2021

Peer reviewed and published in English

The methodology used in the selected papers was either quantitative or qualitative.

Methods

- Exclusion

Were published in other languages.

Narrative reviews, not peer-reviewed and lacked specificity in their outcomes.

Studies that examined technology as an intervention strategy rather than a risk factor were eliminated.

Literature Review

Author and Title	Objective	Methods/Sample	Evaluation of article
Katikireddi et al 2016	Smoking uptake amongst adolescents after smoke-free legislation	School-based surveys	Smoke-free legislation may help reduce smoking uptake amongst teenagers. Research was very necessary, however, the school missed the important aspect of after school policy where they need government interventions
Ragan 2015	Adolescent cigarette use and peer beliefs about smoking	Longitudinal social network model	Peer beliefs associated with adolescent smoking . The study failed to define peer beliefs which may affect how friends/ peers related.
Chen 2021	Parental smoking at home and adolescent's health-promoting behaviours	School-based and cross-sectional studies	Parental smoking was negatively associated with adolescent's health-promoting behaviours. This study used several methods which may enrich their quality of data.
Banzer et al 2017	Risk factors for different smoking	School-based survey	Adolescents who smoke are at higher risk for mental problems and is also associated with broken home families and parental behaviours. The main limitation for this study is that it fails to categorise the population to determine whether these effects are greater in one community more than another. The main strength of this article is that it examines a larger population hence results can be applied in similar areas.
Fulton et al 2017	Adolescent beliefs about Electronic Cigarettes	Cross-sectional questionnaire	Young people who deem ECs as a 'safe' option may experiment with Tobacco. The limitation of the research is the small size of the participants. So study might not present the accurate data
Conner et al 2016	Adolescent e-cigarette use and initiation or escalation of cigarette use.	Randomized control trial	Ever use of e-cigarettes was associated with initiation but not so much with escalation . The article fails to explain the mechanism linking e-cigarette smoking to cigarette smoking.
Cranwell et al 2016	Do video games include alcohol and tobacco content ?	Online survey of adolescents who use video games	Alcohol and tobacco content is common video games. The main limitation for this article is that the level of exposure is not mentioned.
Forsyth and Malone 2016	Relationship between video games and smoking.	Systematic literature review	Tobacco content was present in a subset of video games. The literature is inconclusive, This paper failed to select reviews which provided adequate summaries of the included studies.
Gastel et al 2013	Is cannabis use as an indicator of risk for mental health problems in adolescents?	Public Health Service School Survey	Cannabis is an indicator of risk for mental health problems. The study collected secondary data which may not have specific research questions or contain specific information that the researcher would like to have.
Page et al 2020	Cannabis use might have impacted youth tobacco smoking prevalence.	Health and Wellbeing surveys	Noted increase in cannabis use while decline on Tobacco smoking. The study collected secondary data which may not have specific research questions or contain specific information that the researcher would like to have.

Findings

- **Key Findings**

Video games and e-cigarretes influence the initiation to tobacco smoking

Legislation, family influence and psychological problems are also noted to be associated with adolescent smoking

- **Key Themes**

E-cigarettes and smoking

Trends in adolescent smoking

Video games and smoking

Legislation and smoking

Psychological and smoking

Parental influence and smoking