

Risk and Protective Factors of Adolescent Suicidality: An Umbrella Review and Meta-Analysis

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OBJECTIVE

To use a systematic method to synthesise recent review literature on adolescent mental health outcomes (self-harm and suicidality) and their risk and protective factors.

BACKGROUND

Suicide remains the second most common cause of death in young people aged 10–24 years and is a growing concern globally. The literature reports a vast number of factors that can predispose an adolescent to suicidality at an individual, relational, community, or societal level. There is limited high-level research in identifying and understanding these risk and protective factors of suicidality in adolescents.

METHOD

The study used an umbrella review method (systematic review of systematic reviews) to synthesize evidence from the literature in the past 20 years about the risk and protective factors to self-harm and suicidality (suicide ideation and suicide attempt) in adolescents. The study includes the results from quantitative synthesis from 36 systematic reviews with meta-analysis.

KEY FINDINGS

Exposure Risk Factors

Bullying

Both victimisation and perpetration associated with suicidality and self-harm. Bullying victimization was the most attributed environmental exposure with PAF 21.8% for suicide ideation and 31.6% for suicide attempts, the pooled odds ratio for suicide attempt was 3.0 (95% C.I. 2.58-3.53, <.0001).

Antidepressants

Relationship found between Antidepressant and SRRI exposure and youth suicidal behaviour, suicidal ideation and self-harm

Vulnerability Risk Factors

Female Gender

suicidal behaviours and self-harm more prevalent in female youth than male youth

Mental Health Disorders

associations between a range of mental health disorders and suicidal behaviour and self-harm

Past Suicidality and Self-harm

Sexual Orientation higher risk of suicidal behaviour for sexual minority youth

Problematic Behaviours

Such as school absenteeism, Substance use, legal problems, and aggressiveness

Protective Factors

School Preventative Factors

Association between school connectedness and school-based interventions (such as Signs of Suicide, Headstrong, Good Behaviour Game, and Mastery Learning) and a reduction in youth suicidal behaviours

Sleep Duration

lower risk of suicide attempts from adolescents with greater sleep duration

DISCUSSION

Health professionals working in population health, school settings and community mental health should consider these risk factors when assessing and treating vulnerable young people. A person-centred approach with an emphasis on connectiveness and bully-free school environments, should be a priority focus for schools, health professionals and public health policy makers.

it is vital to create bully-free environments, eradicate school related exposures, and provide protective interventions within schools.

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