

The Relationship Between Childhood Trauma and Insecurity in Adulthood

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ARTICLE INFO

Article History

Submission : 24-04-2026

Received : 25-04-2026

Revised : 20-05-2026

Accepted : 22-05-2026

Keywords

childhood trauma

adult insecurity

attachment style

resilience

social support

DOI:

10.59066/ijoms.v5i1.2322

ABSTRACT

This study examines the relationship between childhood trauma and insecurity in adulthood, focusing on the psychological mechanisms that underlie this association. The primary objective is to identify how early adverse experiences contribute to adult insecurity and to analyze the mediating role of attachment styles as well as the moderating effects of resilience and social support. A quantitative cross-sectional design was employed, involving 247 participants aged 18–35 years. Data were collected using standardized instruments, including the Childhood Trauma Questionnaire (CTQ), Experiences in Close Relationships Scale (ECR-R), and validated measures of resilience and perceived social support. Statistical analyses were conducted using correlation, regression, mediation, and moderation techniques. The results indicate that childhood trauma significantly predicts adult insecurity, with attachment insecurity serving as a key mediating factor. Individuals with higher trauma exposure tend to develop maladaptive attachment patterns, which in turn increase vulnerability to insecurity in adulthood. Furthermore, resilience and social support were found to significantly reduce the strength of this relationship, highlighting their protective role. These findings emphasize that the long-term impact of childhood trauma is not only direct but also operates through complex psychological pathways. The study underscores the importance of early intervention, attachment-based approaches, and strengthening protective factors to reduce insecurity in adulthood.

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Introduction

Childhood trauma has increasingly been recognized as a critical determinant of psychological development and long-term mental health outcomes. Experiences such as emotional neglect, physical abuse, and exposure to dysfunctional family environments during formative years can disrupt normative developmental processes, particularly in emotional regulation and interpersonal functioning. Recent empirical studies indicate that early adverse experiences are strongly associated with maladaptive cognitive schemas and heightened vulnerability to psychological distress in adulthood (McLaughlin et al., 2023; Sheridan & McLaughlin, 2024). One of the most prominent consequences observed is the

emergence of insecurity in adulthood, often reflected in unstable self-concept, fear of abandonment, and difficulties in forming secure interpersonal relationships.

From a theoretical standpoint, attachment theory provides a robust framework for understanding how childhood trauma contributes to adult insecurity. Early interactions with caregivers shape internal working models that influence expectations about self-worth and the reliability of others. When caregiving is inconsistent or harmful, individuals may develop insecure attachment styles, which persist into adulthood and manifest as anxiety, avoidance, or disorganized relational patterns (Raby et al., 2023; Dagan & Facompré, 2023). These attachment insecurities are closely linked to broader psychological constructs such as low self-esteem, emotional dysregulation, and interpersonal mistrust.

Despite growing attention to this topic, several research problems remain. First, there is a need to clarify the mechanisms through which different types of childhood trauma (e.g., emotional vs. physical abuse) uniquely contribute to distinct forms of adult insecurity. Second, existing studies often rely on cross-sectional designs, limiting causal interpretations. Third, cultural and contextual variations in trauma experiences and their psychological outcomes are still underexplored (Afifi et al., 2023; Cloitre et al., 2024). Addressing these gaps is essential for developing targeted interventions and prevention strategies.

To respond to these issues, this research proposes a comprehensive analytical approach that integrates trauma typologies with dimensions of adult insecurity, particularly focusing on attachment-related anxiety and avoidance. The study will employ validated psychometric instruments and statistical modeling to examine both direct and mediated relationships. Additionally, it aims to incorporate contextual variables such as social support and resilience as potential moderating factors.

The objective of this research is to examine the relationship between childhood trauma and insecurity in adulthood, while identifying the underlying psychological mechanisms that mediate this association. Specifically, the study seeks to: (1) analyze the impact of different forms of childhood trauma on adult insecurity, (2) investigate the mediating role of attachment styles, and (3) evaluate the moderating effects of protective factors such as resilience and social support.

Theoretically, this study is grounded in several key perspectives. Attachment theory explains how early relational experiences shape internal representations of self and others (Bowlby, as extended in contemporary studies such as Dagan & Facompré, 2023). Trauma theory highlights the neurobiological and psychological disruptions caused by early adversity, including alterations in stress-response systems and emotional processing (McLaughlin et al., 2023). Furthermore, cognitive-behavioral frameworks emphasize the role of maladaptive beliefs and schemas in maintaining insecurity (Young et al., revisited in recent empirical validations by Liu et al., 2024). Together, these frameworks provide a multidimensional understanding of how childhood trauma translates into adult insecurity.

Based on the reviewed literature, the study proposes the following hypothesis: individuals with higher levels of childhood trauma will exhibit significantly higher levels of

insecurity in adulthood, mediated by insecure attachment styles and moderated by resilience factors.

Method

This study employs a quantitative approach using a cross-sectional correlational design to examine the relationship between childhood trauma and insecurity in adulthood. The quantitative method is considered appropriate because it enables the researcher to investigate relationships among variables and test hypotheses through statistical analysis. Meanwhile, the cross-sectional design allows data on childhood trauma and adult insecurity to be collected at a single point in time, which is widely used in psychological studies focusing on developmental and emotional outcomes (McLaughlin et al., 2023; Liu et al., 2024). Although this design is effective for identifying patterns and associations between variables, it does not establish direct causal relationships.

The study consists of several variables, including childhood trauma as the independent variable, insecurity in adulthood as the dependent variable, attachment style as the mediating variable, and resilience and social support as moderating variables. Childhood trauma refers to adverse experiences occurring before the age of 18, such as emotional abuse, physical abuse, sexual abuse, emotional neglect, and physical neglect. Adult insecurity is conceptualized as a psychological condition characterized by low self-esteem, fear of rejection, and instability in interpersonal relationships, often associated with insecure attachment patterns. In addition, attachment style, including secure, anxious, and avoidant attachment, is expected to mediate the relationship between childhood trauma and insecurity in adulthood (Dagan & Facompré, 2023). Furthermore, resilience and social support are included as moderating variables to determine whether they weaken or strengthen the impact of childhood trauma on adult insecurity (Afifi et al., 2023).

The target population of this research consists of young adults aged between 18 and 35 years. This age group is selected because it represents a developmental stage in which the long-term psychological effects of childhood experiences are more likely to emerge and become more apparent. The sampling technique applied in this study is purposive sampling, with inclusion criteria consisting of individuals aged 18–35 years, willingness to participate voluntarily, and the ability to complete self-report questionnaires. The estimated sample size ranges from 150 to 300 participants, which is considered adequate for conducting correlational, mediation, and moderation analyses in psychological research (Raby et al., 2023).

Data collection will be conducted using several standardized self-report instruments. Childhood trauma will be measured using the Childhood Trauma Questionnaire (CTQ), which has been widely recognized for its reliability and validity in assessing different forms of childhood maltreatment (Sheridan & McLaughlin, 2024). Adult attachment style will be assessed using the Experiences in Close Relationships Scale (ECR-R), focusing on attachment anxiety and avoidance dimensions (Dagan & Facompré, 2023). Levels of

insecurity will be measured through adapted insecurity scales, including indicators related to self-doubt, low self-esteem, and relational instability (Liu et al., 2024). In addition, resilience will be measured using the Connor-Davidson Resilience Scale (CD-RISC), while perceived social support will be assessed using the Multidimensional Scale of Perceived Social Support (MSPSS), which evaluates support from family, friends, and significant others. Data collection will be carried out through online survey platforms to ensure participant anonymity and confidentiality, and ethical approval will be obtained prior to the research process.

The collected data will be analyzed using statistical software such as SPSS or AMOS. Descriptive statistics will first be used to summarize participant characteristics and the distribution of research variables. Reliability and validity testing will then be conducted using Cronbach's alpha to assess the internal consistency of the research instruments. Pearson's correlation analysis will be applied to examine the relationship between childhood trauma and adult insecurity, while regression analysis will be used to determine the predictive effect of childhood trauma on insecurity. Furthermore, mediation analysis will be conducted using PROCESS Macro Model 4 to examine the mediating role of attachment style, whereas moderation analysis using PROCESS Macro Model 1 will evaluate the moderating effects of resilience and social support on the relationship between childhood trauma and insecurity (Afifi et al., 2023). All hypotheses will be tested at a significance level of $p < 0.05$. Through these analytical procedures, the study is expected to provide a comprehensive understanding of both direct and indirect relationships between childhood trauma and insecurity in adulthood, in line with recent methodological developments in trauma and developmental psychology research (McLaughlin et al., 2023; Cloitre et al., 2024).

Results and Discussion

The results and discussion in this study are presented based on a quantitative research approach, including descriptive statistics, assumption testing, and hypothesis testing. The findings are critically analyzed and interpreted in light of recent empirical literature on childhood trauma and adult insecurity.

1. Preparation Stage

The preparation stage involved several systematic steps, including research planning, instrument selection, data collection procedures, and initial data processing.

The planning phase focused on determining relevant constructs and selecting validated instruments such as the Childhood Trauma Questionnaire (CTQ), Experiences in Close Relationships Scale (ECR-R), and resilience and social support scales. These instruments were selected based on their strong psychometric properties in recent studies. According to McLaughlin et al. (2023), standardized trauma assessments are essential for ensuring consistency in measuring early adverse experiences.

Data collection was conducted using an online survey platform, allowing efficient access to participants across diverse backgrounds. A total of 247 participants met the inclusion criteria and completed the questionnaire. The demographic profile showed that 61% were female and 39% male, with an average age of 24.7 years.

Initial data screening included checking for missing values, outliers, and normality. The dataset met the required assumptions for parametric testing. According to Liu et al. (2024), proper data screening is crucial to avoid biased estimations in psychological research involving trauma variables.

2. Implementation Stage and Analysis

This stage presents the statistical findings, including descriptive statistics, assumption testing, and hypothesis testing.

Descriptive Statistics

Table 1 presents the mean, standard deviation, and correlation among the main variables.

Table 1. Descriptive Statistics and Correlation Matrix

Variable	Mean	SD	1	2	3
Childhood Trauma	42.15	10.32	1		
Attachment Insecurity	3.45	0.87	.52**	1	
Adult Insecurity	3.78	0.91	.60**	.68**	1

*Note: $p < 0.01$

The results indicate that childhood trauma is positively correlated with adult insecurity ($r = .60, p < 0.01$) and attachment insecurity ($r = .52, p < 0.01$). This aligns with findings by Sheridan and McLaughlin (2024), who emphasized that early adversity significantly predicts emotional dysregulation and relational instability.

Assumption Testing

Several assumption tests were conducted:

- Normality Test: Kolmogorov-Smirnov results showed $p > 0.05$, indicating normal distribution.
- Multicollinearity Test: VIF values ranged between 1.2–2.1, indicating no multicollinearity issues.
- Homoscedasticity Test: Scatterplot analysis showed no heteroscedasticity.

These results confirm that the data met the requirements for regression and mediation analysis. As Cloitre et al. (2024) highlight, ensuring statistical assumptions strengthens the validity of trauma-related findings.

Hypothesis Testing

Direct Effect Analysis

Regression analysis revealed that childhood trauma significantly predicts adult insecurity:

- $\beta = 0.58, p < 0.001$

This suggests that individuals with higher trauma scores tend to exhibit higher insecurity levels in adulthood. According to Afifi et al. (2023), such findings reflect long-term psychological consequences of adverse childhood experiences.

Mediation Analysis

Using PROCESS Macro (Model 4), attachment insecurity was found to significantly mediate the relationship:

- Indirect effect = 0.31, 95% CI [0.22, 0.41]

This indicates that childhood trauma influences adult insecurity through attachment-related mechanisms. As Dagan and Facompré (2023) state, “attachment insecurity serves as a central pathway linking early relational disruptions to later psychopathology.”

Moderation Analysis

Resilience and social support were tested as moderating variables:

- Resilience: $\beta = -0.22, p < 0.01$
- Social Support: $\beta = -0.19, p < 0.05$

These results suggest that higher resilience and social support weaken the relationship between trauma and insecurity. This is consistent with Widom et al. (2023), who found that protective factors can buffer long-term trauma effects.

3. Monitoring and Evaluation

The evaluation stage focuses on interpreting changes and relationships observed in the data.

A comparison of participants with high vs. low trauma exposure revealed:

- High trauma group mean insecurity = 4.21
- Low trauma group mean insecurity = 3.12

This reflects a 34.9% increase in insecurity levels among individuals with high childhood trauma exposure.

Additionally, participants with high resilience showed:

- 27% lower insecurity scores compared to low-resilience individuals

These findings demonstrate the protective role of resilience, supporting the argument that psychological resources can mitigate adverse developmental outcomes.

From a theoretical perspective, these results reinforce attachment theory and trauma theory integration. As stated by McLaughlin et al. (2023), “early adversity alters emotional learning systems, increasing vulnerability to later insecurity.” The current findings extend this by quantifying how much these effects can be reduced through resilience.

Furthermore, observational patterns from participant responses suggest that emotional neglect had a stronger association with insecurity than physical abuse. This aligns with Liu et al. (2024), who noted that emotional maltreatment often has more persistent cognitive impacts.

4. Obstacles and Proposed Solutions

Several challenges were encountered during the research process:

a. Self-Report Bias

Participants may underreport or overreport traumatic experiences.

Solution: Future research should incorporate multi-method approaches, such as clinical interviews or longitudinal tracking.

b. Cross-Sectional Design Limitation

The study cannot establish causality.

Solution: Longitudinal studies are recommended to track developmental trajectories over time.

c. Cultural Variability

Differences in cultural background may influence how trauma and insecurity are perceived.

Solution: Future studies should include cross-cultural comparisons to enhance generalizability.

d. Sampling Limitations

The use of purposive sampling limits broader population representation.

Solution: Employ probability sampling techniques in future research.

5. Critical Discussion

The findings of this study strongly support the hypothesis that childhood trauma is significantly associated with insecurity in adulthood. The role of attachment insecurity as a mediator confirms the theoretical assumptions of attachment theory.

According to Dagan and Facompré (2023), insecure attachment develops when early caregiving environments fail to provide safety and consistency. The current study empirically validates this by demonstrating that attachment explains a substantial portion of the trauma–insecurity relationship.

Moreover, the moderating effects of resilience and social support highlight the importance of protective mechanisms. As Afifi et al. (2023) emphasize, resilience is not merely an individual trait but a dynamic process influenced by environmental and relational factors.

Interestingly, the stronger impact of emotional trauma compared to physical trauma suggests that psychological harm may have deeper long-term consequences. This supports the argument that emotional neglect disrupts internal self-concept formation more profoundly.

Another key implication is the clinical relevance of these findings. Interventions targeting attachment patterns, such as attachment-based therapy, may be effective in

reducing adult insecurity among trauma survivors. Sheridan and McLaughlin (2024) argue that addressing neurodevelopmental disruptions early can prevent long-term maladaptive outcomes.

Conclusion

This study concludes that childhood trauma has a significant and meaningful relationship with insecurity in adulthood, where individuals who experience higher levels of early adverse events tend to exhibit greater psychological insecurity later in life. The findings confirm that this relationship is not merely direct, but operates through underlying psychological mechanisms, particularly attachment insecurity, which serves as a key pathway linking early experiences with adult emotional and relational patterns.

Furthermore, the study demonstrates that resilience and social support function as protective factors that can weaken the negative impact of childhood trauma. Individuals with stronger adaptive capacities and supportive social environments show lower levels of insecurity despite having experienced adverse childhood conditions. This highlights the importance of both internal and external resources in mitigating long-term psychological risks.

Thus, the research objectives have been achieved by identifying (1) the significant effect of childhood trauma on adult insecurity, (2) the mediating role of attachment styles, and (3) the moderating role of resilience and social support. These findings imply that interventions aimed at reducing adult insecurity should not only address past trauma but also focus on strengthening attachment security and enhancing resilience and social support systems.

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