

Association between Adverse Childhood Experiences and the Development of Psychopathic Traits: An Analytical Review

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Abstract: *Adverse childhood experiences (ACEs), including abuse, neglect and household dysfunction, have been associated with a range of later psychological and behavioural outcomes. Psychopathic traits are multidimensional and may involve interpersonal characteristics, reduced empathy and remorse, impulsivity, and antisocial tendencies. This paper analytically reviews existing secondary literature on the association between ACEs and psychopathic traits across developmental, clinical, forensic and criminological perspectives. Particular attention is given to cumulative adversity, different forms of maltreatment, callous-unemotional traits, and developmental factors such as attachment and emotion regulation. The literature reviewed generally indicates a positive association between childhood maltreatment and psychopathic or callous-unemotional traits, although the strength and pattern of this association vary across samples, measures and trait dimensions. Behavioural and antisocial features appear more consistently associated with adversity than some interpersonal and affective features. The evidence does not support treating childhood adversity as a direct or inevitable cause of psychopathy. Rather, ACEs are best understood as one part of a broader developmental context shaped by individual, relational and environmental influences. The review highlights the importance of dimensional assessment, careful interpretation of forensic findings, and further longitudinal research.*

Keywords: adverse childhood experiences; childhood maltreatment; psychopathic traits; callous-unemotional traits; developmental pathways; forensic psychology

1. Methodology

The study used a non-experimental analytical review design based on secondary literature. No participants were recruited, and no questionnaires, interviews or primary psychological assessments were administered. The purpose was to bring together findings from developmental, clinical, forensic and criminological research to examine the overall association between ACEs and psychopathic traits, the role of cumulative adversity, variation across forms of adversity and psychopathy dimensions, and possible developmental or environmental influences.

The reviewed literature included empirical studies and review-level evidence addressing childhood maltreatment, ACEs, psychopathic traits and related callous-unemotional characteristics. The studies differed in their samples, operational definitions and measurement tools. Some examined cumulative ACE scores, while others focused on particular experiences such as emotional or physical abuse and neglect. Psychopathic traits were also measured in different ways, and a substantial part of the available research involved forensic, correctional or otherwise high-risk samples. Because the evidence was heterogeneous and the present study was a qualitative analytical synthesis, findings were compared thematically rather than combined into a new statistical estimate. The conclusions are therefore interpreted as patterns in the available literature, not as results from new participant-level testing or proof of causation.

2. Findings

Overall, the literature reviewed supports a meaningful positive association between childhood adversity and

psychopathic or callous-unemotional traits. Meta-analytic evidence has reported an association between childhood maltreatment and psychopathic traits, while more recent synthesis has also found a positive relationship between maltreatment and callous-unemotional traits. However, the association is not uniform across studies, and its magnitude depends on the adversity examined, the traits measured, and the population studied (de Ruiter et al., 2022; Gao et al., 2025).

First, cumulative adversity appears relevant. Exposure to multiple adverse experiences may represent a different developmental context from a single adverse event. Nevertheless, an ACE count cannot fully capture the timing, duration, severity or personal meaning of experiences. The number of adversities should therefore be considered alongside the nature of the experiences and the wider context in which they occurred.

Second, associations may differ across psychopathy dimensions. The reviewed evidence suggests that behavioural and antisocial characteristics are more consistently related to childhood maltreatment than some interpersonal and affective characteristics. This distinction matters because psychopathy is multidimensional and should not be treated as a single, undifferentiated outcome. Research on callous-unemotional traits provides related evidence, but these traits should not automatically be treated as identical to all dimensions of psychopathy.

Third, developmental and environmental factors may influence how adversity relates to later traits. Attachment relationships, parenting, emotion regulation, temperament, stress responses, peer experiences and broader social conditions may interact with childhood experiences. The

same adverse experience may therefore be followed by different outcomes for different individuals. The literature supports considering adversity within a wider developmental system rather than as a stand-alone explanation.

Finally, limitations in the evidence affect interpretation. Studies use different definitions and measures of ACEs and psychopathic traits, and many rely on retrospective reports or cross-sectional designs. Forensic and high-risk samples are valuable for understanding offending-related outcomes but may not represent the wider population. These limitations restrict causal conclusions and indicate a need for prospective longitudinal research and more community-based studies.

3. Conclusion

This analytical review indicates that adverse childhood experiences are associated with psychopathic and callous-unemotional traits, but the relationship is complex, variable and non-deterministic. Cumulative adversity and specific forms of maltreatment may have different associations with particular trait dimensions, while attachment, emotion regulation, individual differences and social environment may influence developmental pathways. Childhood trauma should not be interpreted as inevitably producing psychopathy, and psychopathic traits should not be equated automatically with criminality. Psychological and forensic assessment should consider childhood adversity as part of a broader psychosocial history, recognize differences between trait dimensions, and remain attentive to resilience and protective factors. Future research should use longitudinal designs, distinguish the timing and severity of adversity, include community samples, and examine how developmental and environmental factors interact.

References

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