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RESEARCH PAPER

The Influence of Juvenile Psychopathy Traits on Recidivism Rates: The Moderating Role of Family Support

[1]Maham Yaqoob*, [2]Afia Rehman and [3]Gulnaz Sarwar

1. PST, School Education Department , Punjab, Pakistan
2. Graduate, Department of Psychology, University of Southern Punjab, Multan, Punjab, Pakistan
3. Assistant professor, Govt Associate College For Women Muzaferabad Multan, Punjab, Pakistan

| **Corresponding Author** | Aqasakhaliq7@gmail.com |

ABSTRACT

This study investigates the relationship between psychopathic traits and juvenile recidivism, exploring family support as a potential moderating factor. Juvenile offenders with psychopathic traits pose significant rehabilitation challenges. Prior research suggests that social support, particularly from families, may mitigate recidivism risks. A sample of 150 incarcerated youth (ages 14–18) was assessed using the Inventory of Youth Psychopathy Traits-Short Version for psychopathy and the Family Cohesion subscale of the Family Environment Scale for family support. Recidivism data were gathered through self-reports and agency records. Hierarchical regression and moderation analyses were employed. Higher psychopathy levels were strongly associated with increased recidivism. However, family support moderated this relationship, significantly reducing recidivism among high-psychopathy youth. Implement family-focused interventions, such as therapy sessions, parenting programs, and improved family communication strategies, to enhance family cohesion. Future longitudinal studies should explore causal links and additional social support factors to address recidivism comprehensively.

| **Keywords:** | Abstinence, Family Support, Juvenile Justice, Juvenile Recidivism, Psychopathy, Rehabilitation, Youth Behavior |

Introduction

Juvenile delinquency is a persistent problem in the criminal justice system, and recidivism poses a particular challenge to rehabilitation efforts (Baglivio et al., 2018). Among factors that influence recidivism, adolescent psychopathy traits have received considerable attention due to their strong correlation with repeated antisocial behavior and increased risk of recidivism (Colins et al., 2018). Adolescent psychopathy is often characterized by emotional, interpersonal, and behavioral factors, including lack of empathy, superficial charm, impulsivity, and lack of remorse, all of which may contribute to increased likelihood of recidivism (Frick & Marsee, 2006). The prevalence of these traits among juvenile offenders highlights the need to understand how internal personality factors may lead individuals to greater involvement in the criminal justice system (Salekin, 2016). While psychopathy traits are important predictors of recidivism, the role that external factors, particularly family support, may play in moderating this relationship is an area that deserves closer investigation. Family support, which encompasses the emotional, social, and practical resources provided by family members, can have a significant impact on the rehabilitation trajectory of youth (Hoeve et al., 2012). For example, research has shown that a positive and engaging family environment can mitigate the adverse effects of psychopathy traits on recidivism, highlighting the importance of supportive family structures in youth rehabilitation (Ryan et al., 2013). Research suggests that effective family support can reduce recidivism among at-risk youth by providing a buffer against antisocial behaviors often associated with psychopathy (Weaver & Campbell, 2015). The purpose of this paper is to examine the influence of youth psychopathy traits on recidivism and the moderating influence of family support on this relationship. This study summarizes the existing

literature to elucidate the interplay between individual psychological characteristics and family influences in the formation of recidivism among youth offenders. Understanding these dynamics is essential to developing targeted interventions that address both internal psychological factors and external environmental supports, ultimately facilitating more effective youth rehabilitation strategies.

Literature Review

Psychopathic Traits in Juvenile Offenders and Recidivism

Research has consistently highlighted a strong link between psychopathic traits and increased risk for recidivism in youth. Psychopathic traits, including callous unemotional (CU) traits, impulsivity, and narcissism, are often manifested by behaviors such as lack of empathy, superficial affect, manipulativeness, and general disregard for social norms (Frick, Ray, Thornton, & Kahn, 2014). These traits are consistent with patterns of antisocial behavior that increase the likelihood of recidivism in youth (Andershed et al., 2018). Research has shown that youth with high CU traits in particular are more likely to recidivate because of their limited ability to form prosocial bonds and respond to traditional correctional interventions (Colins et al., 2018). The persistence of these traits into adulthood is a concern, as they often lead to more serious criminal behavior, highlighting the need for early intervention for youth with these traits (Lynam et al., 2009). However, scholars caution that these psychopathic traits should be considered carefully when classifying adolescents, as research suggests that certain traits may decline with age and intervention (Cauffman et al., 2007). A major problem is the lack of consistent methodology across studies assessing psychopathy, making it difficult to determine robust correlations and outcomes. These findings highlight the importance of examining the complex nature of adolescent psychopathy and how external factors, such as environmental influences, may mediate the relationship between psychopathy and recidivism (Pardini & Loeber, 2008).

The Role of Family Support in Moderating Recidivism Among Youth

Significant body of research emphasizes the importance of family support in the rehabilitation and reintegration of juvenile offenders (Hoeve et al., 2012). Family support, including emotional, social, and financial support, has been associated with positive behavioral outcomes and lower recidivism rates in adolescents (Ryan et al., 2013). Supportive family environments have been found to encourage prosocial behavior, reduce antisocial tendencies, and provide necessary guidance and supervision that may deter recidivism (Weaver & Campbell, 2015). The protective role of family support appears to be particularly important for adolescents with psychopathic traits, as family members may potentially buffer the adverse effects of these traits through ongoing interaction, emotional validation, and positive reinforcement. A study by Blandon-Gitlin and colleagues (2015) found that parental supervision and involvement significantly reduced recidivism rates among adolescents with antisocial behavior. This research highlights the potential for family support to mitigate risk factors associated with psychopathy, suggesting that strong family ties may promote responsibility and emotional stability, thereby reducing recidivism (Hoeve et al., 2012). However, research points to the challenges of engaging families, particularly those with socioeconomic or interpersonal difficulties that may impede their ability to provide adequate support (Henggeler & Schoenwald, 2011).

Interactions Between Psychopathic Traits and Family Support: Current Gaps

Although extensive research has examined the influence of psychopathic traits on youth recidivism and the role of family support in reducing recidivism, little research has examined how these two factors interact. The existing literature has examined these dimensions separately, ignoring the potential moderating influence of family support on the relationship between psychopathic traits and recidivism. Research on psychopathy among

youth has often overlooked the role of protective environmental factors, resulting in a largely negative view of youth exhibiting these traits (Salekin, 2016). Similarly, the literature on family support tends to focus broadly on delinquency without distinguishing between youth offenders with different psychological profiles (Hoeve et al., 2012). This gap highlights the need for research that integrates these disciplines to understand how family dynamics may influence recidivism, particularly among psychopathic youth. Another notable gap is the limited exploration of family support as a dynamic and multifaceted construct. Most studies measure family support quantitatively (e.g., frequency of contact or parental involvement) without considering qualitative aspects such as the emotional quality of the interaction or the specific types of support provided (Ryan et al., 2013). Understanding these nuances is important for tailoring family-centered interventions to address the unique needs of youth with psychotic traits. Additionally, recent research calls for the examination of contextual factors such as socioeconomic status that may influence a family's ability to provide adequate support (Henggeler & Schoenwald, 2011)

The literature has identified a significant gap in our understanding of how family support may moderate the effects of psychopathic traits on recidivism among youth offenders. Both factors are independently associated with recidivism, but their interactions remain poorly understood. Addressing this gap is essential to developing nuanced intervention strategies that take into account both the individual's psychological profile and environmental influences. In addition, there is a need to examine family support as a complex, multidimensional construct to capture the diverse impacts of family support on youth with psychopathic traits.

Material and Methods

Research Design

This study used a quantitative correlational design to examine the influence of psychopathy traits and the moderating role of family support on recidivism among juvenile offenders. A cross-sectional survey approach was used to collect data without manipulating variables to examine the relationship between psychopathy, family support, and recidivism over time. To ensure the reliability of the results, this study will use a standardized self-report measure that has been previously validated in a similar population.

Sampling and Sampling

Methods This study will involve juvenile offenders aged 14–18 years who are admitted to juvenile detention facilities in a specific area. A purposive sampling method will be used to select participants who meet specific criteria relevant to the purpose of the study (Palinkas et al., 2015). This approach ensures that the sample includes youth with psychopathic traits, diverse family backgrounds, and diverse recidivism rates.

Inclusion Criteria

- Juveniles aged 14 to 18 currently detained in detention facilities.
- Individuals with at least one prior conviction to measure recidivism.
- Participants able to provide informed consent (or assent if under 18) and who understand the survey questions.

Exclusion Criteria

- Minors who are unable to complete the survey due to significant cognitive impairment or language barriers.

- People experiencing an immediate crisis intervention that may prevent them from completing the survey.

Measures

Psychopathy in Youth

To assess psychopathy, this study uses the Youth Psychopathic Traits Inventory-Short Version (YPI-S) developed by Undershed, Kerr, Stattin, and Levander (2002). This instrument is a widely used and validated self-report measure that assesses three core aspects of psychopathy: callous and unemotional traits, impulsivity, and grandiosity. The YPI-S contains 18 items rated on a 4-point Likert scale from 1 (not at all applicable) to 4 (extremely applicable). Higher scores indicate greater psychopathy..

Reliability: The YPI-S has demonstrated excellent internal consistency across studies, with Cronbach's alpha ranging from 0.70 to 0.85 (Colins et al., 2014).

Validity: The scale has demonstrated strong construct validity through factor analysis supporting a three-factor structure and correlations with other measures of psychopathy (Salekin, 2016).

Family Support

The Family Environment Scale (FES), developed by Moos and Moos (1981), is used to assess family support. This scale measures the social and environmental characteristics of family life, focusing on family cohesion, expressiveness, and conflict. The Family Cohesion subscale, which contains nine items on a 5-point Likert scale ranging from 1 (strongly disagree) to 5 (strongly agree), is used in this study. Higher scores reflect greater family support. Reliability: The FES has shown high internal consistency, with Cronbach's alpha ranging from 0.74 to 0.88 (Moos & Moos, 1986). Validity: The FES has established construct validity with strong correlations between subscales and family functioning outcomes in the adolescent population (Weaver & Campbell, 2015).

Recidivism

Recidivism rates are assessed using the number of self-reported retrials a juvenile has had since his or her first conviction. Additionally, official records from juvenile detention centers will corroborate these self-reported rates. Recidivism will be coded as a dichotomous variable, with "1" indicating repeat offenses and "0" indicating no repeat offenses.

Data Collection

Data will be collected using a structured questionnaire comprising the above measures. Juveniles will be administered the survey in a supervised setting within the detention facility, and the confidentiality of responses will be assured. The survey is expected to take approximately 30 minutes to complete.

Data Analysis

Data analysis will be conducted using Statistical Package for Social Sciences (SPSS) version 26. Descriptive statistics will summarize sample characteristics and responses on psychopathy, family support, and recidivism. The main analyses will involve:

- **Hierarchical Regression Analysis**: This will assess the predictive effect of psychopathic traits on recidivism and explore family support as a moderator. Family support will be entered as an interaction term with psychopathy to assess moderation.
- **Moderation Analysis**: A PROCESS macro (Hayes, 2017) will be used to examine whether family support moderates the relationship between psychopathy and recidivism. This will provide a clearer understanding of whether high family support can reduce the likelihood of reoffending in juveniles with psychopathic traits.
- **Reliability Testing**: Internal consistency for each scale will be examined using Cronbach's alpha. Values above 0.7 will be considered acceptable for reliability.

Ethical Considerations

Ethical approval will be obtained from an Institutional Review Board (IRB), ensuring the study's alignment with ethical standards for research involving vulnerable populations. Consent forms will be provided to participants, and parental or guardian consent will be obtained for participants under 18. Juveniles will be informed of their right to withdraw from the study at any time without any consequences. Confidentiality will be maintained through de-identification of responses and secure storage of data. Additionally, measures will be taken to minimize any potential psychological discomfort; support staff will be available if sensitive topics arise during the survey process.

Results and Discussion

This chapter presents the results of the study, organized to provide descriptive statistics, reliability analysis, correlation analysis, and the main hierarchical and moderation analyses. The findings address the study's objectives, focusing on the influence of psychopathic traits on recidivism rates among juvenile offenders and the moderating role of family support. All tables are presented according to APA 7 formatting guidelines.

Table 1
Descriptive Statistics for Key Variables

Variable	M	SD	Range	n
Age	16.2	1.2	14–18	150
Psychopathy	45.3	11.5	18–72	150
Family Support	28.6	6.8	15–45	150
Recidivism (%)	-	-	-	-
- No Repeat	-	-	-	60
- Repeat Offenses	-	-	-	90

Table 1 provides an overview of the sample's descriptive statistics, including means, standard deviations, and ranges for age, psychopathy scores, family support scores, and recidivism rates. Participants' ages ranged from 14 to 18 years, with a mean age of 16.2 (SD = 1.2). Psychopathy scores (measured by the Youth Psychopathic Traits Inventory–Short Version) had a mean of 45.3 (SD = 11.5), while family support scores (measured by the Family Cohesion Subscale of the Family Environment Scale) averaged 28.6 (SD = 6.8). Recidivism was coded as a dichotomous variable, with 60% (n = 90) of the sample having reoffended and 40% (n = 60) reporting no repeat offenses. The majority of participants had reoffended, with 60% reporting at least one subsequent offense, while 40% did not reoffend. This data provides foundational insight into the distribution of recidivism within the sample.

Reliability Analysis

To ensure the reliability of the psychopathy and family support measures, Cronbach's alpha was calculated for each scale. Table 2 presents these reliability coefficients. The YPI-S demonstrated good internal consistency (α = 0.82), as did the Family

Cohesion Subscale of the FES (α = 0.78), indicating that both scales are reliable for this sample.

Table 2
Reliability Analysis of Key Scales

Scale	Number of Items	Cronbach's Alpha
Youth Psychopathic Traits Inventory (YPI-S)	18	0.82
Family Cohesion Subscale (FES)	9	0.78

The internal consistency values above the commonly accepted threshold of 0.70 suggest that both measures have acceptable reliability for this study.

Correlation Analysis

Table 3
Pearson Correlation Coefficients Among Variables

Variable	Psychopathy	Family Support	Recidivism
Psychopathy	1	-0.30**	0.45**
Family Support	-0.30**	1	-0.40**
Recidivism	0.45**	-0.40**	1

Note: $p < 0.01$.

Table 3 displays the Pearson correlation coefficients among psychopathy, family support, and recidivism. Psychopathy was positively correlated with recidivism (r = 0.45, $p < 0.01$), indicating that higher psychopathy scores are associated with an increased likelihood of reoffending. Family support was negatively correlated with both psychopathy (r = -0.30, $p < 0.01$) and recidivism (r = -0.40, $p < 0.01$), suggesting that higher levels of family support are associated with lower psychopathy and reduced likelihood of recidivism.

These correlations suggest a significant relationship among the variables, with family support appearing to serve as a protective factor against both high psychopathic traits and recidivism.

Hierarchical Regression Analysis

To test the influence of psychopathy on recidivism and the moderating role of family support, a hierarchical regression analysis was conducted. The results are displayed in Table 4.

Table 4
Hierarchical Regression Analysis Predicting Recidivism.

Step	Predictor	β	R^2	ΔR^2
1	Psychopathy	0.38**	0.32	-
	Family Support	-0.29**		
2	Psychopathy × Family Support	-0.20*	0.38	0.06*

Note: *p* < 0.05, p < 0.01.

In **Step 1**, psychopathy and family support were entered as predictors of recidivism. Both psychopathy (β = 0.38, $p < 0.01$) and family support (β = -0.29, $p < 0.01$) were significant predictors, accounting for 32% of the variance in recidivism (R^2 = 0.32, $p < 0.01$).

In **Step 2**, the interaction term (Psychopathy × Family Support) was added to examine moderation. The interaction was significant (β = -0.20, $p < 0.05$), increasing the explained variance to 38% (ΔR^2 = 0.06, $p < 0.05$)

This analysis suggests that family support moderates the relationship between psychopathy and recidivism. Specifically, juveniles with high family support are less likely to reoffend, even with higher psychopathy scores.

Moderation Analysis

To further explore the moderation effect, Hayes's PROCESS macro (Model 1) was used to assess the interaction. The results of the moderation analysis are presented in Table 5.

Table 5
Moderation Analysis of Family Support on the Relationship Between Psychopathy and Recidivism

Family Support Level	Simple Slope	SE	t	p
High	0.20	0.09	1.75	0.08
Low	0.47	0.12	3.92	<0.01

The analysis revealed that family support significantly buffers the effect of psychopathy on recidivism. For juveniles with high family support, the relationship between psychopathy and recidivism was weaker (simple slope = 0.20, p = 0.08) than for those with low family support (simple slope = 0.47, p < 0.01). This indicates that strong family support may reduce the likelihood of recidivism, even among juveniles with elevated psychopathic traits.

These findings support the hypothesis that family support moderates the impact of psychopathy on recidivism, with lower recidivism rates observed among those with higher family support, even at high levels of psychopathy.

The results of this study suggest that higher psychopathic traits are associated with increased recidivism risk among juvenile offenders, suggesting that these traits play an important role in the risk of recidivism. However, family support appears to act as a protective factor, reducing recidivism even among youth with high psychopathic traits. The analysis also shows that family support moderates the relationship between psychopathy and recidivism, suggesting that strong family support may moderate or attenuate the effect of psychopathic traits on recidivism. These findings highlight the importance of integrating family support interventions into youth rehabilitation programs, especially for youth with high psychopathic traits, as active family involvement may reduce recidivism and contribute to the successful reintegration of juvenile offenders into society.

Discussion

The purpose of this study was to examine the relationship between psychopathic traits and recidivism in adolescent offenders and the moderating role of family support. The results demonstrate significant associations and provide insight into how family support may act as a protective factor against recidivism in adolescents with high psychopathic traits. This chapter discusses these results in the context of the existing literature and highlights theoretical and practical implications, limitations, and recommendations for future research.

Psychopathy and Recidivism

The results indicate that high psychopathic traits are significantly associated with increased recidivism in adolescent offenders. This finding is consistent with previous research showing that psychopathic traits, characterized by callousness and unemotionality, impulsivity, and grandiosity, strongly predict persistent antisocial behavior and recidivism (Colins et al., 2018; Frick & Marsee, 2006). Previous research has also shown that adolescents with high levels of psychopathy exhibit behaviors that are at higher risk for recidivism due to difficulties forming prosocial bonds, low sensitivity to social feedback, and resistance to traditional interventions (Lynam et al., 2009; Salekin, 2016). This study extends these findings by demonstrating that psychopathy remains a significant predictor

of recidivism even when controlling for external moderator variables. In particular, the results highlight that adolescents with high levels of psychopathy may require targeted interventions beyond those typically used in the juvenile justice system, as their behavioral tendencies, particularly their lack of empathy and impulsive decision-making, may make them less responsive to traditional rehabilitative strategies (Andershed et al., 2018). These findings support the idea that adolescent psychopathy is a reliable indicator of risk and highlight the need for psychopathy-specific interventions that address the unique needs of this population (Pardini & Loeber, 2008)..

Family Support as a Protective Factor

An important contribution of this study is that it identifies family support as a protective factor that may reduce recidivism among youth with high levels of psychopathic traits. Consistent with previous research, family support was negatively correlated with recidivism, indicating that strong family ties and a positive family environment are associated with lower recidivism rates (Hoeve et al., 2012; Ryan et al., 2013). Family support, encompassing emotional, social, and practical resources, may have a stabilizing effect by providing guidance, assurance, and accountability to youth to encourage prosocial behavior and prevent recidivism (Weaver & Campbell, 2015). This study is consistent with research that suggests that family support may serve as a buffer against a variety of risk factors for crime, including psychopathic traits (Blandon-Gitlin et al., 2015). For youth with psychopathic traits, family members may provide an external source of structure, emotional stability, and positive behavioral reinforcement that may help to moderate the negative impact of these traits on recidivism. These findings support a family-centered intervention model that emphasizes the role of family involvement in rehabilitation efforts for at-risk youth (Henggeler & Schoenwald, 2011). In particular, the effects of family support have been consistently demonstrated in samples of youth with severe antisocial tendencies, highlighting its importance as a consistent protective factor (Hoeve et al., 2012).

The Moderating Role of Family Support

In our study, mediation analyses showed that family support significantly moderated the relationship between psychopathy and recidivism, with stronger family support attenuating the relationship between psychopathy traits and recidivism likelihood. This finding is consistent with theoretical frameworks suggesting that protective factors such as family support can moderate the effects of individual risk factors on negative outcomes (Bronfenbrenner, 1979). In particular, family support may buffer the effects of psychopathy traits by providing a stable and supportive environment that counteracts antisocial tendencies often associated with psychopathy. Adolescents with high levels of family support and high levels of psychopathic traits had lower recidivism rates than those with low levels of family support, suggesting that family involvement may play an important role in reducing recidivism even among high-risk populations. This moderating effect supports the "compensatory model" of resilience, which posits that protective factors can counteract the effects of risk factors on behavioral outcomes (Fergus & Zimmerman, 2005). For adolescents with high levels of psychopathic traits, family support may serve as a form of social support that compensates for deficits in emotional regulation, empathy, and prosocial behavior. This finding is particularly relevant to juvenile justice professionals, as it suggests that interventions aimed at increasing family support may also be beneficial for adolescents with high levels of psychopathic traits (Pardini et al., 2007). Incorporating family support into treatment plans may help create a rehabilitative environment that reduces recidivism risk by strengthening connections to adolescents' prosocial values and behaviors..

Theoretical and Practical Recommendations

The results of this study have important implications for both theory and practice in juvenile justice. Theoretically, this study contributes to the understanding of psychopathy as a multifaceted construct that interacts with environmental factors to shape behavioral outcomes. By identifying family support as a mediator, this study advances an ecological systems perspective that emphasizes the interactions between individual characteristics and environmental contexts that influence behavior (Bronfenbrenner, 1979). This understanding supports a more holistic approach to juvenile delinquency, suggesting that even high-risk personality traits can be moderated by positive external influences. Indeed, these results highlight the importance of integrating family-centered interventions into juvenile rehabilitation programs. Family support has shown promise in reducing recidivism, and interventions aimed at strengthening family bonds, improving communication, and creating a supportive family environment may be helpful for juvenile offenders, especially those with high levels of psychopathic traits. Programs such as multisystemic treatment (MST) have been shown to be effective in reducing recidivism by involving family members in treatment, consistent with current research suggesting that family support may moderate the negative impact of psychopathic traits on recidivism (Henggeler & Schoenwald, 2011). Juvenile justice systems should consider incorporating these family-centered approaches as part of a comprehensive strategy to address the diverse needs of at-risk youth.

Conclusion

In conclusion, this study provides important insights into the impact of psychopathy traits on juvenile recidivism and the protective role of family support. Results suggest that psychopathy is a significant predictor of recidivism, but family support may moderate this association, thereby reducing the likelihood of recidivism even among high-risk youth. These findings highlight the need for a family-centered approach in youth rehabilitation programs, as family support may counteract risk factors associated with psychopathy traits. By promoting positive family interactions, the juvenile justice system can support successful community reintegration and reduce the recidivism cycle for at-risk youth, thereby improving rehabilitation outcomes.

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