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Occupational Stress: Its Causes and Consequences in Police Forces

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ABSTRACT

This research paper aims to provide a comprehensive overview of the existing literature on occupational stress in police personnel, with a focus on its causes and consequences. Given the potential impact of occupational stress on police personnel and their ability to perform their duties effectively, it is essential to understand its causes and consequences. The causes of occupational stress in police personnel are explored, including factors such as shift work, high workload, exposure to traumatic events, and the need to make quick and potentially life-altering decisions. The paper also delves into the consequences of occupational stress, such as physical health problems, burnout, and reduced job performance. Additionally, the paper considers the impact of occupational stress on the overall well-being of police personnel and their ability to carry out their duties effectively.

Keywords: occupational stress, police personnel, causes of stress, consequences of stress

INTRODUCTION

Police officers play a vital role in maintaining public safety and order. However, their work is often fraught with stress and challenges that can take a toll on their mental and physical health. Occupational stress in police officers has been the focus of much research and attention in recent QADC years due to its potential impact on officer well-being and job performance. Understanding the causes and consequences of occupational stress in police officers is crucial to developing effective interventions that support the health and effectiveness of law enforcement professionals. This research paper aims to provide a comprehensive overview of occupational stress in police officers, including its causes and consequences. Through an analysis of the existing literature, this paper will explore the unique stressors that police officers face, such as exposure to trauma, shift work, high workload, and the need to make quick decisions under pressure. The paper will also examine the consequences of occupational stress, including physical health problems, burnout, and reduced job performance. Finally, the paper will discuss potential interventions to address and reduce occupational stress in police officers, with the goal of supporting the well-being and effectiveness of law enforcement professionals. By shedding light on this important topic, this research paper aims to contribute to the broader conversation around police reform and support the development of evidence-based policies and practices that prioritize officer well-being and public safety.

Moreover, research has shown that police officers experience higher rates of occupational stress than many other professions, and that this stress can have serious consequences for their health and job performance. For example, studies have found that police officers have higher rates of cardiovascular disease, depression, and suicide than the general population (Violanti et al., 2013; Shen et al., 2016). Additionally, occupational stress has been linked to decreased job satisfaction, reduced productivity, and increased rates of absenteeism and turnover among police officers (Schaufeli et al., 2008; Lu and Lin, 2020).

THEORETICAL FRAMEWORK

The theoretical framework for this research paper is grounded in the Transactional Model of Stress and Coping (Lazarus and Folkman, 1984). According to this model, stress is not solely a product of external events or stimuli, but rather a subjective experience that results from an individual's appraisal of the demands of a situation and their ability to cope with those demands. In other words, stress arises from the interaction between an individual and their environment. Applying the Transactional Model of Stress and Coping to the context of policing, it can be argued that police officers experience occupational stress as a result of their interactions with the demands and challenges of their work environment. For example, police officers may experience stress when they are exposed to traumatic events or when they are required to make quick decisions under pressure. Additionally, stress may arise from organizational factors such as shift work, high workload, and lack of social support within the workplace.

The coping strategies that police officers use to manage stress are also a critical component of the theoretical framework for this research paper. According to the Transactional Model of Stress and Coping, coping strategies can be categorized

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as problem-focused or emotion-focused. Problem-focused coping strategies involve efforts to change the situation that is causing stress, while emotion-focused coping strategies involve efforts to regulate emotions and reduce the negative impact of stress.

In the context of policing, problem-focused coping strategies may include seeking additional training or support to manage challenging situations, while emotion-focused coping strategies may involve engaging in physical exercise or seeking social support from colleagues or family members.

In addition to the Transactional Model of Stress and Coping, other theoretical frameworks have been used to understand occupational stress in police officers. For example, the Job Demands-Resources model (Bakker and Demerouti, 2007) suggests that job demands, such as workload and time pressure, can lead to burnout and decreased job satisfaction, while job resources, such as social support and autonomy, can lead to increased job satisfaction and engagement. This model highlights the importance of both reducing job demands and increasing job resources to mitigate occupational stress in police officers. Another relevant theoretical framework is the Conservation of Resources theory (Hobfoll, 1989), which posits that individuals are motivated to protect and build their personal and social resources. This theory suggests that occupational stress arises when individuals experience a threat to their personal and social resources, such as job security or social support. In the context of policing, this theory highlights the importance of providing police officers with the resources and support they need to effectively manage the demands of their work and protect their personal well-being. These theoretical frameworks provide a useful lens for understanding the causes and consequences of occupational stress in police officers and developing interventions to address and mitigate its impact. By applying these frameworks to the unique context of policing, we can develop evidence-based strategies to support the health, well-being, and effectiveness of law enforcement professionals, and promote public safety for all.

Responsibilities of police

The responsibilities of police officers are numerous and varied, and their work is often complex and challenging. In addition to enforcing laws and maintaining public safety, police officers are responsible for a range of other duties, such as responding to emergencies, investigating crimes, and providing assistance and support to community members. However, with these responsibilities comes a significant amount of occupational stress. Police officers are exposed to a range of stressors on a daily basis, including exposure to violence and trauma, high workload, and shift work, among others. These stressors can lead to a range of negative consequences for police officers, including physical and mental health issues, reduced job satisfaction and productivity, and increased absenteeism and turnover rates.

Despite the significant challenges and stressors that police officers face, they have a responsibility to effectively manage their stress and maintain their well-being in order to effectively serve and protect their communities. Some of the specific responsibilities of police officers in this regard may include:

- Engaging in regular physical activity and maintaining a healthy diet to support physical health and manage stress.
- Participating in ongoing training and development programs to enhance their skills and knowledge and effectively manage the demands of their work.
- Building and maintaining strong social support networks, both within and outside of the workplace, to provide emotional support and a sense of community.
- Proactively seeking support and resources, such as counseling or employee assistance programs, to address and manage the negative effects of occupational stress.
- Advocating for and implementing evidence-based interventions and policies that prioritize the health and well-being
 of police officers, such as flexible work schedules, access to mental health services, and peer support programs.

Police stress

Police stress is a significant occupational stressor that has been the subject of extensive research. Police officers often experience high levels of stress due to the nature of their work, which involves dealing with dangerous and unpredictable situations on a daily basis. This stress can have a wide range of negative consequences, both for the individual officer and for the police department as a whole.

There are several causes of police stress, including exposure to traumatic events, the need to make life-and-death decisions, long hours and irregular schedules, high levels of responsibility, and negative public perception. These factors can lead to a range of physical and psychological symptoms, including anxiety, depression, PTSD, substance abuse, and suicidal ideation. The consequences of police stress can be severe and far-reaching. High levels of stress can lead to burnout, a decrease in job satisfaction, and a higher likelihood of making mistakes on the job. This can result in decreased public trust in the police and a decrease in the quality of police work. To mitigate the negative consequences of police stress, it is important for police departments to provide their officers with access to resources such as counseling, support groups, and mental health services. Additionally, departments can take steps to reduce the causes of stress by providing adequate training and equipment, implementing regular wellness checks, and creating a positive work environment. Hence police stress is a serious issue that requires attention and action from both individual officers and police departments.

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LITERATURE REVIEW

Causes of stress

Violanti and Aron (1995) researched on police stress. Their study involved surveying police officers to understand how they perceived different sources of stress on the job and found that police stress comes from various sources, and not all officers experience it the same way. The study found that officers rated killing someone in the line of duty as the single most stressful event. Officers in the 31-35 age range reported shift work as a significant stressor. According to research findings long work hours and shift work were major causes of stress in police officers. The study found that police officers who worked longer hours or rotating shifts reported higher levels of stress and fatigue than officers who worked standard hours or fixed shifts. The researchers suggest that this may be due to the disruption of the officer's natural sleep-wake cycle, which can have a significant impact on their physical and mental well-being. Moreover, long work hours and shift work can also lead to family and social life disruptions, which can further contribute to stress and emotional strain. Besides this, organizational factors like workload, lack of support, and unclear goals seem to have a bigger impact. The study also suggests that stress levels might vary depending on factors like experience, rank, age, and even race.

Westman and Sloan (1998) explores the complex issues of causes and consequences of police stress. According to a study by them being a police officer can be incredibly stressful. They identify factors like constant danger, workload, and shift work as contributors to stress, and explore how stress impacts officers' health, job performance, and personal lives. Westman and Sloan (1998) go beyond immediate dangers and highlight how organizational factors like heavy workloads, lack of support, and conflicting demands can add to the stress. Even shift work and unpredictable schedules can disrupt sleep and contribute to the problem. This research is valuable because it shows the many causes of police stress and how they impact officers' overall well-being. By understanding these multifaceted causes of police stress, this research paves the way for developing effective interventions and support systems to promote officer well-being and create a more positive work environment.

Burke and Mikkelsen (2006) examined potential antecedents and consequences of burnout in a large sample of Norwegian police officers. While average burnout scores were moderate, a significant portion of officers displayed concerning levels of distress. The study suggests social isolation, potentially due to work schedules, has a stronger impact on burnout than work itself. These findings are concerning because burnout can lead to officers neglecting safety measures, behaving more aggressively towards civilians, and even increasing suicide risk. The authors emphasize the importance of regularly assessing stress, implementing targeted stress management programs, improving police training in mental health skills, and reducing the stigma around seeking help. Promoting police well-being creates a safer environment for both officers and the communities they serve.

Violanti et al. (2007) in their longitudinal study focuses on how stress accumulates over time in police work and the coping mechanisms officers use. The study explores various stressors that contribute to police stress over the long term. The study looked at factors that contribute to this stress, and some of the key themes were exposure to violence and trauma, along with the everyday challenges of the job. Long hours, heavy workloads, and unclear expectations from supervisors all add up to take a toll on officers. Interestingly, the study also suggests that stress can change throughout a career. New officers might feel overwhelmed adjusting to the job, while veteran officers might struggle with burnout or cynicism. By understanding these different stressors and how they accumulate over time, researchers can develop better ways to help police officers cope with the pressures of the job and maintain their well-being. By examining stress across an officer's career, this research provides valuable insights into the long-term effects of police work and the importance of interventions that address both immediate stressors and coping mechanisms for long-term well-being.

Meta-analysis by Zhao et al. (2010) takes a critical look at the well-established issue of police stress, but with a specific focus on gender differences. While police work is inherently stressful for everyone due to factors like violence and demanding schedules, the study highlights additional challenges faced by female officers. These include experiencing gender bias, sexual harassment, and microaggressions within the workplace. Furthermore, balancing work and family life can be particularly difficult for female officers. By recognizing these gender-specific stressors, the research emphasizes the need for a more comprehensive approach to police stress management. Creating a supportive work environment requires acknowledging and addressing the unique challenges faced by both male and female officers.

Kapade-Nikam and Shaikh (2011) examines the systematic review of the causes of police stress through an analysis of existing research. This comprehensive approach explores various factors contributing to the emotional burden officers carry. The review likely highlights the impact of exposure to danger and trauma, along with the chronic stress caused by work demands and pressure-filled situations like making life-or-death decisions. Organizational factors such as lack of support and unclear policies can add to the stress, while disrupted sleep patterns from shift work further complicate matters. Social and interpersonal challenges like public scrutiny, dealing with difficult people, and feelings of isolation can also take a toll on officers' well-being. By analyzing these various stressors, researchers emphasize the need for a comprehensive approach to stress management in police work. Understanding the root causes of stress is crucial for developing effective interventions and support systems that promote the well-being of police officers.

Anand and Kamalanabhan (2014) examined a unique approach to understanding police stress in India. Instead of relying on numbers, they conducted in-depth interviews with police inspectors and sub-inspectors, focusing on their personal experiences. They were overloaded with work, had long hours, and not enough people to share the workload. This constant

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pressure made them feel insecure about their jobs. On top of that, they felt they had little control over decisions and were stuck in a system that valued rules over flexibility. Adding to the burden, the study identified feelings of unfairness within the workplace. Whether due to favoritism or a lack of transparency, these perceptions significantly contributed to stress levels. Officers reported a lack of proper financial compensation, inadequate allowances, and even a shortage of essential equipment – all crucial resources for effective policing. Housing issues were also mentioned, creating additional strain on officers' personal lives. The relationship between police and the public also emerged as a significant stress factor. Negative public perception, a lack of support from the community, and constant media criticism took a toll on the officers' morale. The findings of study offer valuable insights for improving the well-being of police officers and the effectiveness of the police force as a whole. By addressing issues like workload, job insecurity, and lack of control, police departments can create a more supportive and empowering work environment. Additionally, ensuring fair treatment, providing adequate resources, and fostering positive relationships with the public can significantly reduce stress and improve overall morale within the police force.

Hartley et al. (2014) conducted a comprehensive review of the various stressors inherent to the profession, examining the impact of police work on officer well-being. This review paper examines the various stressors faced by police officers and their impact on health outcomes. The review highlights the toll of constant exposure to danger, shift work disruptions, and administrative pressures. It emphasizes the connection between chronic stress and health problems like cardiovascular disease, sleep disturbances, and mental health issues. It acknowledges that female officers face unique stressors due to gender bias and the challenges of balancing work and family life. This review provides valuable insights but could be strengthened by exploring interventions to manage stress and investigating the impact of race and ethnicity on police work. This exploration sheds light on the complexities of police stress, offering valuable insights for further research and potential interventions.

Anders et al. (2022) stated that police personnel regularly encounter stressful situations that raise their chances of developing mental health problems like PTSD (post-traumatic stress disorder) and burnout (BO). Researchers are still figuring out why some officers are more susceptible than others. This study aimed to identify personality traits and coping mechanisms that might shield officers from these conditions or make them more vulnerable. Additionally, the researchers wanted to see if specific officer profiles could be linked to a higher risk of mental health issues. They surveyed online 1073 French-speaking police officers in Switzerland who reported about their PTSD and BO symptoms, anxiety, depression, suicide ideation, coping strategies, occupational stress, and personality factors. The cluster analysis highlighted three principal profiles of police officers. One group wasn't at risk because they weren't exposed to stressors as often or seemed less affected by them. The other two groups were exposed to stressors, but personality and coping mechanisms influenced whether they were more likely to develop PTSD or BO. The findings suggest that screening potential recruits for personality traits linked to risk and offering them training programs to develop healthy coping skills could be a crucial step in protecting police officers' mental health.

Consequences of stress

In the study by Collins & Gibbs (2003), researchers investigated the sources and consequences of stress among police officers. Interestingly, the most significant stressors identified were not inherent to police work itself (e.g., danger, violence), but rather stemmed from organizational issues within the departments. These included organizational issues such as the demands of work impinging upon home life, lack of consultation and communication, lack of control over workload, inadequate support and excess workload in general. This lack of control and support led to a significant portion of officers experiencing symptoms of stress-related illness. Interestingly, a significant association between gender and mental ill-health was found, with females more likely to score more highly on the GHQ (General Health Questionnaire) than males. This study confirms previous findings of organizational culture and workload as the key issues in officer stress. The study suggests that police departments need to take action to improve these areas in order to keep their officers healthy and happy.

Violanti et al. (2008) examined the link between shift work and suicidal ideation in police officers. This cross-sectional study analyzed data from female and male officers' daily work schedules over five year. The study found that among female officers with greater depressive symptoms, the prevalence of suicidal ideation increased by 116% with every 10% rise in the percentage of hours worked on the day. Conversely, for male officers with higher, but not lower, PTSD symptoms, the prevalence of suicidal ideation grew by 13% for every 10% increase in afternoon shift hours. This study suggests a significant association between shift work patterns, mental health conditions (depression and PTSD), and suicidal ideation in police officers.

Barger et al. (2009) explores the physiological challenges associated with various shift work patterns, including night shifts, rotating schedules, extended durations, and other non-standard hours. Shift work, defined by work schedules outside of traditional daytime hours, affects nearly 15% of the full-time workforce in the United States. The authors pay particular attention to the demanding schedules faced by safety-sensitive professions like police officers, firefighters, and healthcare providers. These professions often require critical decision-making and physical exertion, making the potential consequences of shift work-related fatigue particularly concerning. They researched on the neurobehavioral, health, and safety outcomes associated with shift work. Key findings highlight the disruption of the circadian rhythm, the body's

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internal clock that regulates sleep-wake cycles. Shift work disrupts this natural rhythm, leading to sleep disturbances, cognitive decline, and impaired psychomotor performance. These impairments can translate into increased risk of accidents, injuries, and medical errors for shift workers in safety-sensitive professions.

Violanti et al., (2009) investigated the link between irregular work schedules and a cluster of health conditions known as metabolic syndrome in police officers. Metabolic syndrome is characterized by factors like increased waist circumference, high triglycerides, low HDL cholesterol (good cholesterol), high blood pressure, and impaired blood sugar control. The data examined from 98 police officers, including their work schedules (shift patterns and overtime hours), reported sleep duration, and measures of metabolic syndrome. While working midnight shifts alone wasn't directly tied to metabolic syndrome, the analysis revealed an interesting interaction. Officers who worked midnight shifts and also reported shorter sleep duration or higher levels of overtime had a significantly greater number of metabolic syndrome components. These findings suggest that the combination of irregular work schedules, limited sleep, and heavy workloads may contribute to the development of metabolic syndrome in police officers.

Kapade-Nikam and Shaikh (2014) examines the well-documented issue of occupational stress among police officers. The researchers emphasize the detrimental consequences of stress, not just for individual officers, but also for police departments as a whole. The review highlights how stress can lead to a negative cycle. When officers experience stress, it can erode their overall well-being, decrease their satisfaction with the job, and weaken their commitment to the organization. This, in turn, can lead to poorer performance and potentially impact the effectiveness of the police department. The researchers pointed out that organizational factors, such as workload, lack of support, and poor work environments, are often cited as bigger contributors to police stress than the inherent physical dangers of the job itself. Queirós et al. (2020) explores the significant issue of stress and burnout among police officers. The researchers effectively combine a comprehensive literature review with an empirical study to address this concern. This study in Portugal found high levels of stress and burnout among police officers, despite average scores overall. Over 75% reported significant operational stress, and a substantial portion showed concerning levels of distress, putting them at risk for mental health problems, increased risk of mental disorders burnout and social support. Depression was more prevalent than anxiety. Social isolation from working away from family and friends seemed to worsen burnout. The consequences of this stress can be dire, increasing the risk of suicide, aggressive behavior, and neglecting officer safety. To address this, the study calls for regularly assessing stress, implementing targeted stress management programs, improving police training in mental health skills, and reducing the stigma around seeking help. Supporting police officer well-being is crucial for maintaining the safety and security of our communities.

Tina B. Craddock & Grace Telesco (2021) investigated the impact of chronic exposure to traumatic events on police officers' mental and physical well-being. Long-term exposure to critical incidents leads to negative physical and mental health outcomes for officers. Physical symptoms include increased injuries and stress-related illnesses like ulcers or high blood pressure. Mental health impacts include personality changes, increased aggression, domestic violence, substance abuse, depression, and suicidal thoughts. This study highlights how officers can experience increased injuries, stressrelated illnesses, and changes in personality due to chronic job stress. These changes can manifest as aggression, domestic issues, substance abuse, and even depression or suicidal thoughts. The research also suggests that the longer an officer is on the job, the more likely they are to face these negative consequences. Investing in police mental health is essential for officer well-being, public safety, and reducing negative outcomes like excessive force complaints and officer turnover. Chen and Wu (2022) investigated the job-related stress experienced by police officers in China. The research confirms that police work is indeed stressful, and the high expectations placed on police officers contribute to this burden. Interestingly, the study found that simply giving police officers more autonomy over their work doesn't necessarily reduce stress. In fact, it might even have the opposite effect. The study drew on a model that examines the relationship between job demands, job resources, and employee well-being. Researchers surveyed police officers, measuring factors such as job demands, stress levels, job autonomy (the ability to control one's work), and the fulfilment of basic psychological needs (competence, autonomy, and relatedness). This suggests that police departments can play a crucial role in supporting officer well-being. By providing adequate resources, fostering a sense of control, and creating a culture that encourages help-seeking behaviour, departments can create a work environment that is less stressful and more supportive of their officers' mental health.

DISCUSSION

From the above literature review it was found that occupational stress in police is a complex issue that has various causes and significant consequences for police personnel. The causes of occupational stress in police officers are numerous and include factors such as long work hours and shift work, high workload and lack of control over work, exposure to critical incidents, such as shootings and accidents, perceived negative public perception and criticism, personal vulnerability and lack of resources, police work-related factors, such as nature of their work, lack of social support and communication problems etc. Police officers may be particularly vulnerable to the negative effects of stress due to the nature of their work, due to above mentioned reasons and are these can be highly stressful and unpredictable.

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The consequences of occupational stress can be severe, including physical and mental health problems, reduced job satisfaction, and increased risk of workplace errors and accidents. The literature review found that police personnel who reported higher levels of job-related stress experienced more symptoms of depression and anxiety, several risk factors for CVD, including high blood pressure, high cholesterol, and insulin resistance, higher levels of PTSD symptoms, such as intrusive thoughts, avoidance, and hyperarousal, an increased risk for suicidal ideation, higher level of absenteeism and intention to turnover, an increased risk of PTSD, than those police personnel who experienced lower or less level of job related stress. To address this issue, police departments to recognize and address the causes of stress in police work, and to provide support and resources to mitigate its negative consequences. By implementing effective interventions, such as stress management training, mental health services, peer support programs, and wellness programs, police departments can promote the health and well-being of their officers. Besides this, efforts to improve leadership and organizational culture can contribute to reducing stress and promoting well-being in police forces.

Reducing occupational stress in police is crucial for ensuring the safety and effectiveness of law enforcement agencies, as well as for promoting the well-being of police officers who serve our communities. Further research is needed to better understand the complex causes of occupational stress and to identify effective interventions to mitigate its negative effects in this critical profession. It is important to acknowledge that occupational stress in police is not just an individual problem, but a systemic issue that requires attention and action at all levels of the organization. Police leaders, policymakers, and the broader community can play a role in supporting police officers and reducing occupational stress by prioritizing their well-being and advocating for policies that promote a healthy work environment. It is also worth noting that while occupational stress is a significant challenge for police officers, it is not unique to this profession. Many other occupations, including healthcare workers, firefighters, and military personnel, also face high levels of occupational stress. Therefore, lessons learned from addressing occupational stress in police can be applied more broadly to other professions facing similar challenges.

RESEARCH GAP

Despite the significant research that has been conducted on occupational stress in police, several research gaps are required to be addressed. One of the primary gaps in the literature is the lack of research examining the underlying mechanisms that link the identified causes of police stress to the development of stress. Another gap in the literature is the limited number of rigorously evaluated interventions to mitigate police stress. While several interventions have been proposed, there is a need for more randomized controlled trials to determine the most effective interventions in reducing police stress and improving officers' health and well-being. Additionally, much of the research on police stress has focused on individual-level factors such as personal vulnerability and coping strategies, while organizational factors such as leadership, communication, and work culture have been underexplored. There is a need for more research that investigates the role of organizational factors in contributing to or mitigating police stress. Although some research has indicated an increased risk of depression, anxiety, and PTSD among police officers, there is a need for longitudinal studies to determine the long-term effects of stress on physical and mental health outcomes. By addressing the causes of stress and providing effective interventions, police departments can promote the health and well-being of their officers, improve the quality of police work, and enhance public trust in law enforcement.

CONCLUSION

Occupational stress in police is a complex issue that has significant consequences for both police personnel and the community. Addressing occupational stress in police is crucial for ensuring the well-being of police personnel and the effectiveness of law enforcement agencies. By implementing evidence-based interventions and promoting a supportive work environment, we can mitigate the negative effects of occupational stress and promote the health and safety of those who serve and protect our communities.

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