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Abstract

This study was conducted to investigate the role of resilience in stress reduction among police officers. Resilience, defined as the ability to bounce back from adversity, is increasingly being recognized as a key factor in managing stress and enhancing mental well-being. The research examined how resilience influences the stress coping mechanisms of police officers, with particular focus on their emotional regulation, decision-making, and overall performance in high-pressure situations. This quantitative research was conducted through correlational research design. Data was collected by administering a survey with help of questionnaires. Convenient sampling technique was employed to select the sample of the study 100 police officers (Male=69, Female=31). Results indicate that higher levels of resilience correlate with higher levels of stress reduction, improved emotional control, and more effective problem-solving skills in stressful situations. Moreover, male police officers reported greater level of resilience and stress reduction level as compared to female. The findings underscore the importance of fostering resilience through training and support programs to improve the mental health of police officers and reduce stress-related issues in law enforcement in Pakistan. Furthermore, the study highlights the need for institutional policies that prioritize resilience-building strategies in police departments to enhance officers' psychological well-being and job satisfaction.

Keywords: Resilience, stress reduction

1. Introduction

Policing is considered one of the most stressful occupations, exposing officers to occupational, organizational, and personal stressors (Bano, 2011; Saha et al., 2010). Despite the growing awareness of stress-related problems among police officers and ongoing efforts to address this issue, psychological and physical problems in policing continue to grow at an alarming rate (Violanti, 2008). Psychological health problems in high stress police jobs are costly to both the individual and the organization. Researchers have found that female police officers are probably under more stress than male officers (Lipp, 2009; Yoo & Franke, 2010; Anees & Yan, 2019; Rehman & Malik, 2020). Apart from the inherent stress in the police job, female police officers face many challenges like higher levels of harassment, bias, and underestimation of physical abilities, discrimination, and hostile work environment (Chaiyavej & Morash 2008; Shelley et al., 2011; Ismail & Ali, 2020; Akram, 2020; Musa, 2024). These stressors, in addition to child care and managing the household (Natarajan, 2014; Roebuck et al., 2013), predispose female police officers to the harmful effects of stress (Karunanidhi & Chitra, 2014b; Raja & Iqbal, 2019; Rasheed, 2020).

In Pakistan context, the main duties of a female police officers involve, performing law and order duties, guard duties, traffic regulations, and attending to complaints in police stations. Apart from these regular duties, they are expected to counsel female victims, mediate in family disputes and family problems related to dowry, counsel female relatives of the offenders, interrogate female victims in case of rape, family disputes, etc. The law in Pakistan demands that a female police representative must be present while arresting, searching, questioning, holding, or transporting a female accused, or when a female victim is examined. In the studies conducted in other countries which have included female police officers, the results could not be compared with male officers due to inadequate representation of female police officers in that study (Malach-Pines & Keinan, 2006; Pasillas et al., 2006). Therefore, majority of the previous studies have given recommendations for counseling and training interventions for female police officers (Karunanidhi & Chitra 2014b; Sundaram & Kumaran, 2012; Modupe, 2021; Ahmed & Alvi, 2024). Most of the stressors faced by police officers in their profession include encountering victims of crime and fatalities, violent/unpredictable situations, public scrutiny and media coverage, and multiple role conflicts are not controllable (Violanti, 2008). In view of the uncontrollable nature of stressors in policing, resilience research has the potential to enhance understanding of this population and provide insight into possible interventions.

Resilience is tied to the ability to learn to live with ongoing fear and uncertainty and the ability to adapt to difficult and challenging life experiences (Meichenbaum, 2005). In policing context, resilience is both psychological and physiological flexibility in the face of adversity, self-awareness, and control over one's physiological stress responses to threat and recovery from exposures beyond one's control (Masten, 2014). Resilience is related to positive self-ratings of physical health and physical symptoms (Judkins, 2004) and inversely related to depression and anxiety (Beasley et al., 2003). Schaubroeck et al. (2011) stated that people with high levels of resiliency still experienced stress and symptoms of health problem, but they got over them relatively quickly compared with a person with low resilience. In their theory of stress and coping, Lazarus and Folkman (1984) defined stress as a transaction between the person and the environment, whereby individuals appraise environmental demands as outweighing their abilities to meet those demands. From this transactional/interactive perspective, resilience as a personal quality in the current study may positively impact individuals' appraisals of stressful situations. According to the protective model of resilience (Garmezy et al., 1984), assets or resources moderate or reduce the effects of a risk on a negative outcome. Among the existing psychosocial interventions such as cognitive behavior therapy (CBT), stress inoculation training and life skills training, resilience training is a recently researched concept (Windle et al., 2008). While traditional stress management and therapy approaches generally target problems once they have arisen, resilience-building approaches train individuals to anticipate stress and prepare in advance to minimize its impact by

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weathering the storm. Research on resilience training in the workplace has provided evidence that resilience is amenable to change (Sood et al., 2011).

Resilience training has been found to have a positive impact on various mental health and subjective well-being outcomes like lowered stress, depression, and negative affect (Pipe et al., 2012; Robertson et al., 2015). Literature on police resilience programs, aimed at anxiety, depression, negative emotion, stress, and vitality used relaxation methods, imagery, mental rehearsal, and self-regulation methods (McCraty & Atkinson, 2012). Resilience training programs aimed at emotions, stress, mental health, and personal growth included several modalities singly or in combination, including protective factors like self-awareness, emotional management, interpersonal communication, problem solving, and social support ability, CBT strategies (Burton et al., 2010), building resilient relationships (Waite & Richardson, 2003), psychoeducation (Burton et al., 2010), and mindfulness techniques (Chopko & Schwartz, 2013). Most researchers involved in resiliency inquiry have predominantly focused on identifying the multitude of protective factors, protective mechanisms, or resilient qualities that act to buffer the effects of stress, adversity, disruptions, or change (Diener, 2000).

1.1. Statement of the Problem

Stress among police officers in Pakistan is a significant concern, as it impacts their mental health, job performance, and overall well-being. Police officers face numerous stressors such as exposure to violent crime, the pressure of decision-making under intense conditions, long working hours, and the risks associated with their line of duty. These stressors can lead to burnout, anxiety, depression, and other health issues. The ability to effectively manage and cope with such stress is crucial for maintaining the well-being and performance of police officers. Resilience, defined as the ability to adapt to adversity, is often cited as a critical factor in mitigating stress and promoting mental health. However, there is limited research exploring the role of resilience in stress reduction specifically among police officers in Pakistan. Despite the known benefits of resilience, including improved emotional regulation, better coping strategies, and enhanced psychological well-being, it remains unclear how these factors specifically apply to the police force in Pakistan's context. This study seeks to investigate how resilience affects stress reduction among police officers in Pakistan, exploring the strategies they employ to manage stress and how their individual levels of resilience contribute to their capacity to cope with the pressures of their profession. By examining the relationship between resilience and stress reduction, this research aims to provide valuable insights into potential interventions or programs that can be implemented to improve the mental health and performance of police officers in Pakistan. Understanding the role of resilience in stress management can have profound implications for the development of targeted support systems, training programs, and policy reforms designed to enhance the psychological well-being of law enforcement personnel. This, in turn, could improve their effectiveness in maintaining public safety and contributing to the overall stability of society.

1.2. Rationale of the Study

Police officers often experience high levels of stress due to the nature of their jobs, which involve responding to dangerous situations, maintaining public safety, and dealing with criminal activity. This can lead to physical, mental, and emotional strain. In Pakistan, police officers are also frequently exposed to violent crime, terrorism, political instability, and public scrutiny, which can amplify stress levels. Resilience has been shown to be an important protective factor against stress and its harmful outcomes. Police officers with higher levels of resilience are better able to manage job-related stress, recover from setbacks, and maintain their psychological well-being. Understanding how resilience can act as a buffer against stress in the unique context of Pakistan's police force can offer valuable insights into improving officers' mental health and overall job performance. While resilience has been studied in various professions globally, there is a lack of research on the role of resilience in stress reduction specifically among police officers in Pakistan. Pakistan's socio-political and security environment, including frequent exposure to violence and unrest, makes the police force particularly vulnerable to stress. By focusing on this underexplored area, the study could fill an important gap in the literature and provide tailored recommendations for the Pakistani context. The rationale behind studying resilience's role in stress reduction among police officers in Pakistan is rooted in addressing the significant mental health challenges faced by the police force, with potential benefits for the officers themselves, law enforcement agencies, and society. By understanding how resilience impacts stress reduction, interventions can be developed to promote the psychological well-being of officers, improve their job satisfaction, and enhance their ability to perform their duties effectively.

1.3. Objectives of the Study

- To measure the relationship between resilience and stress reduction
- To compare the mean score of resilience and stress reduction with respect to gender

2. Significance of the Study

2.1. Addressing the High Stress Levels in Police Officers

Police work, by nature, is stressful. Officers regularly face life-threatening situations, work long hours, and deal with emotionally and psychologically taxing events. In Pakistan, where law enforcement officers often work in high-risk environments, managing stress effectively is crucial to their personal and professional well-being. This study can provide valuable insights into how resilience may serve as a buffer against stress, improving officers' ability to cope with daily challenges.

2.2. Enhancing Police Performance and Effectiveness

Stress, if not managed properly, can impair cognitive function, decision-making, and interpersonal relationships, which can negatively affect police performance. A resilient police force is more likely to maintain clear thinking under pressure, manage conflict more effectively, and perform tasks with greater efficiency. This research could lead to strategies that help officers reduce stress, enhancing their professional capabilities, leading to a more effective and responsive police force.

2.3. Contributing to Mental Health Awareness

The study could raise awareness about the mental health challenges faced by police officers in Pakistan. Despite the demanding nature of their work, there is often a lack of attention given to the mental health needs of law enforcement personnel. By highlighting

the role of resilience in stress reduction, the research could advocate for improved mental health support systems, such as counseling services or resilience-building programs.

2.4. Fostering Organizational Change

The findings could help police departments implement policies that emphasize resilience training and stress management programs, fostering a culture of well-being within the force. By integrating resilience-building programs into routine police training, departments could improve the overall health, morale, and cohesion of their teams.

2.5. Improving Public Safety

A police force that is less stressed and more resilient is likely to interact with the public in a calmer, more professional manner. Reduced stress levels can decrease the likelihood of confrontational behavior, improving community relations. Ultimately, when officers are in better mental health, the safety of both officers and the public can be enhanced.

2.6. Contributing to the Field of Psychology and Law Enforcement Studies

This study would add to the growing body of research exploring the psychological and emotional demands placed on law enforcement officers worldwide, particularly in Pakistan’s unique social and political context. It could help inform global best practices for mental health and resilience in law enforcement settings.

2.7. Supporting Policymakers and Stakeholders

The study can guide policymakers in designing appropriate mental health programs tailored to the needs of police personnel. Additionally, it can encourage collaboration between police forces, mental health professionals, and other stakeholders to create a more holistic approach to policing.

2.8. Promoting Public Health

By focusing on resilience, this research can also contribute to broader public health objectives. Resilience-building can lead to better stress management not only for police officers but also for their families and the communities they serve. Healthy officers contribute to healthier communities, which benefits society as a whole. In conclusion, the significance of this study lies in its potential to improve both individual officers’ mental health and the overall effectiveness of the police force in Pakistan. By understanding how resilience can reduce stress among police officers, the study can inform practical strategies for improving police well-being, organizational performance, and public safety.

3. Method

3.1. Research Design

The current study was aimed at investigating the effect of resilience on stress reduction among police. This quantitative research was conducted through correlational research design. Data was collected by administering a survey with help of questionnaires. Convenient sampling technique was employed to select the sample of the study 100 police officers (Male=69, Female=31).

3.2. Research Instrument

Researcher used Connor-Davidson Resilience Scale (CD-RISC), by Connor and Davidson (2003), to measure resilience, because it distinguishes between those with greater and lesser resilience and used widely in intervention studies. CD-RISC is a self-report measure composed of 25 items, each rated on a 5- point scale (0–4), with higher scores reflecting greater resilience. A time frame of 1 month was used to measure the items of this scale. The internal consistency of the scale for the current study was $\alpha = 0.87$. Secondly, Occupational Stress Inventory (OSI) developed by Karunanidhi and Chitra (2014a), was used to measure occupational stress of female police officers. It is a 71-item scale which measured various sources of occupational stress of female police officers. It has six dimensions namely, operational hassles, external factors, hazards of occupation, physical working conditions, women-related stress, and supervisory stress. Four-point Likert Scale (0–3) was used as response scale, with higher scores reflecting high occupational stress.

4. Results

Table 1: Shows the relationship between Resilience and Stress Reduction

Variables	Mean	Std.Deviation	R	ST
Resilience	9.0721	3.60123	1	.791**
Stress Reduction	11.5621	5.62980		1

Table 1 shows the significant positive relationship between resilience and stress reduction among police officers.

Table 2: Mean score difference of Resilience and Stress Reduction with respect to gender of police

Variable	Gender	N	M	Std.Deviation	df	t-test	p-value
Resilience	Male	50	47.0801	19.50174	98	6.319	<.001
	Female	50	32.0627	13.05102			
Occupational Stress Reduction	Male	50	29.6017	9.51920	98	13.963	<.001
	Female	50	17.3672	5.02781			

Table 2 describe the level of resilience and stress reduction between male and female police officers. Results depict that male officers are more resilient and have the ability to manage their occupational stress as compared to female.

5. Discussion

This study explored the impact of resilience on reducing occupational stress among police. Results indicate that higher levels of resilience correlate with higher levels of stress reduction, improved emotional control, and more effective problem-solving skills in stressful situations. Moreover, male police officers reported greater level of resilience and stress reduction level as compared to female. The findings underscore the importance of fostering resilience through training and support programs to improve the mental health of police officers and reduce stress-related issues in law enforcement in Pakistan. The findings clearly indicate the potential positive impact of resilience training in reducing the occupational stress among police officers. This finding also has been substantiated by previous studies (Burton et al., 2010; Pipe et al. 2012; Sood et al., 2011). Employees from Millier et al. (2008), displayed significant reductions in stress soon after the resilience intervention and at 6-month follow-up. The reduction in occupational stress and its various dimensions could have occurred probably due to change in their perception about stressors and may be due to changes in their individual responses towards various stressors. Resilience training has been found to have a positive impact on various mental health and subjective well-being outcomes like lowered stress, depression, and negative affect (Pipe et al., 2012; Robertson et al., 2015). Literature on police resilience programs, aimed at anxiety, depression, negative emotion, stress, and vitality used relaxation methods, imagery, mental rehearsal, and self-regulation methods (McCraty & Atkinson, 2012). Resilience training programs aimed at emotions, stress, mental health, and personal growth included several modalities singly or in combination, including protective factors like self-awareness, emotional management, interpersonal communication, problem solving, and social support ability, CBT strategies (Burton et al., 2010), building resilient relationships (Waite & Richardson, 2003), psychoeducation (Burton et al., 2010), and mindfulness techniques (Chopko & Schwartz, 2013).

6. Conclusion

In examining the effect of resilience on stress reduction among police officers, research generally concludes that higher levels of resilience are associated with better stress management and lower levels of burnout and psychological distress. Resilience—defined as the ability to adapt to challenges, recover from adversity, and maintain well-being despite stressful situations—plays a critical role in how police officers cope with the intense pressures and risks associated with their profession. The studies consistently suggest that resilience helps police officers handle high-stress situations, such as traumatic events, difficult interactions with the public, and internal organizational challenges. Those with greater resilience tend to experience fewer negative psychological effects from stress, including anxiety, depression, and post-traumatic stress disorder (PTSD). Furthermore, resilience enables better emotional regulation, improved problem-solving abilities, and stronger interpersonal relationships, all of which contribute to reducing stress. In practice, fostering resilience through targeted training programs, social support networks, and mental health resources is essential. Officers who are taught skills to increase their resilience—such as mindfulness, cognitive-behavioral techniques, and coping strategies—are better equipped to manage stress and maintain their well-being over the long term. Ultimately, enhancing resilience within the police force can contribute to improved job satisfaction, reduced absenteeism, and a healthier, more effective workforce. Resilience plays a significant role in stress reduction among police officers, and efforts to enhance resilience are crucial for both individual well-being and the overall effectiveness of law enforcement agencies.

7. Practical Contributions of the Study

- This study delves into how resilience, defined as the ability to bounce back from adversity, can serve as a key coping mechanism in managing stress among police officers. By focusing on resilience, the research adds to the growing body of literature that emphasizes the importance of psychological resources in managing stress and preventing burnout.
- The study identifies and examines the specific factors that contribute to resilience in the context of law enforcement. These factors could include personal traits (e.g., emotional regulation, optimism), support systems (family, peers, professional support), and organizational resources (training, work environment). By understanding these factors, policymakers can design interventions that strengthen resilience.
- The study highlights the impact of high-stress environments on the mental health of police officers in Pakistan. Police work is linked to higher rates of PTSD, depression, anxiety, and other mental health disorders. By focusing on resilience, the study suggests that fostering resilience can be an effective way to mitigate these psychological issues, contributing to a healthier workforce.
- The findings from the study can guide the development of training programs that focus on resilience-building techniques, such as stress management, mindfulness, emotional intelligence, and social support networks. By incorporating resilience training into police curricula, officers can be better equipped to handle the stressors they encounter on duty.
- The study can help police organizations in Pakistan implement strategies that reduce stress. By understanding the role of resilience in stress reduction, police departments can introduce policies that prioritize mental well-being, such as better work-life balance, mental health resources, and peer support systems.
- The research offers policy recommendations aimed at improving the mental health of police officers in Pakistan, especially in terms of reducing the stigma surrounding mental health issues and encouraging officers to seek help when needed. It also advocates for structural changes within police departments to ensure that mental well-being is a priority.
- The study adds to global research on stress management in law enforcement, with a particular focus on the unique cultural and social context of Pakistan. It provides valuable insights for other countries facing similar challenges, fostering cross-cultural comparisons in police stress and resilience research.
- Ultimately, the study has a societal impact, as the well-being of police officers affects their performance and, in turn, public safety. Reducing stress and improving resilience can enhance the quality of policing, leading to better community relations, higher job satisfaction, and more effective law enforcement.

- The contribution of the study is multifaceted, combining mental health research with practical solutions for the law enforcement sector. It can shape future policies and programs aimed at reducing stress and enhancing resilience among police officers in Pakistan, ultimately improving the mental well-being of officers and the quality of policing in the country.

References

- Ahmed, J., & Alvi, A. A. (2024). The Role of Financial Inclusion in Shaping Labor Market Outcomes in Emerging Economies. *Journal of Business and Economic Options*, 7(4), 33-41.
- Akram, B. (2020). Exploring the Nexus of Job Satisfaction, Role Stress, and Organizational Effectiveness: A Study in Pakistan's Textile Industry. *Journal of Policy Options*, 3(4), 137-142.
- Anees, M., & Yan, W. (2019). An Overview about the Challenges of Urban Expansion on Environmental Health in Pakistan. *Journal of Energy and Environmental Policy Options*, 2(3), 64-71.
- Bano, B. (2011). Job stress among police personnel. *IPEDR*, 4, 290-3.
- Beasley, M., Thompson, T., & Davidson, J. (2003). Resilience in response to life stress: the effects of coping style and cognitive hardiness. *Personality and Individual Differences*, 34(1), 77-95.
- Burton, N. W., Pakenham, K. I., & Brown, W. J. (2010). Feasibility and effectiveness of psychosocial resilience training: a pilot study of the READY program. *Psychology, health & medicine*, 15(3), 266-277.
- Chitra, T., & Karunanidhi, S. (2021). The impact of resilience training on occupational stress, resilience, job satisfaction, and psychological well-being of female police officers. *Journal of Police and Criminal Psychology*, 36(1), 8-23.
- Connor, K. M., & Davidson, J. R. (2003). Development of a new resilience scale: The Connor-Davidson resilience scale (CD-RISC). *Depression and anxiety*, 18(2), 76-82.
- Diener, E., & Lucas, R. E. (2000). Explaining differences in societal levels of happiness: Relative standards, need fulfillment, culture, and evaluation theory. *Journal of happiness studies*, 1, 41-78.
- Ismail, K., & Ali, B. (2020). Understanding the Nexus of Job Satisfaction, Job-Related Stress, and Employee Performance: A Study in the Nursing Sector of Lahore, Pakistan. *Journal of Policy Options*, 3(1), 26-34.
- Judkins, S. (2004). Stress among nurse managers: can anything help? *Nurse Researcher (through 2013)*, 12(2), 58.
- Lazarus, R. S. (1984). *Stress, appraisal, and coping* (Vol. 464). Springer.
- Malach-Pines, A., & Keinan, G. (2006). Stress and burnout in Israeli border police. *International journal of stress management*, 13(4), 519.
- Masten, A. S. (2014). *Ordinary magic: Resilience in development*. Guilford publications.
- McCraty, R., & Atkinson, M. (2012). Resilience training program reduces physiological and psychological stress in police officers. *Global advances in health and medicine*, 1(5), 44-66.
- Meichenbaum, D. (2005). Understanding resilience in children and adults: Implications for prevention and interventions. In *paper delivered to the Melissa Institute Ninth Annual Conference on Resilience*.
- Modupe, E. (2021). Mobbing and Its Effects on Employee Commitment in the Workplace. *Journal of Policy Options*, 4(3), 18-26.
- Musa, A. (2024). Impact of Ownership Structures on Financial Performance and Distress in Businesses. *Journal of Policy Options*, 7(3), 30-38.
- Pasillas, R. M., Follette, V. M., & Perumean-Chaney, S. E. (2006). Occupational stress and psychological functioning in law enforcement officers. *Journal of Police and Criminal psychology*, 21, 41-53.
- Pipe, T. B., Buchda, V. L., Launder, S., Hudak, B., Hulvey, L., Karns, K. E., & Pendergast, D. (2012). Building personal and professional resources of resilience and agility in the healthcare workplace. *Stress and Health*, 28(1), 11-22.
- Raja, U., & Iqbal, N. (2019). Ensuring Worker Safety in Lahore's Large Industries: A Study on Occupational Health, Safety, and Risk Management. *Journal of Energy and Environmental Policy Options*, 2(4), 117-124.
- Rasheed, L. (2020). The Role of Social Support and Work Engagement in Enhancing Job Performance among Secondary School Teachers: A Quantitative Study in Lahore District. *Journal of Policy Options*, 3(4), 124-129.
- Rehman, A. U., & Malik, S. (2020). Environmental and Health Hazards of Pakistan's Leather Industry. *Journal of Energy and Environmental Policy Options*, 3(3), 96-103.
- Robertson, I. T., Cooper, C. L., Sarkar, M., & Curran, T. (2015). Resilience training in the workplace from 2003 to 2014: A systematic review. *Journal of occupational and organizational psychology*, 88(3), 533-562.
- Roebuck, D. B., Smith, D. N., & El Haddaoui, T. (2013). Cross-generational perspectives on work-life balance and its impact on women's opportunities for leadership in the workplace. *Advancing Women in Leadership Journal*, 33, 52-62.
- Saha, A., Sahu, S., & Paul, G. (2010). Evaluation of cardio-vascular risk factor in police officers. *International Journal of Pharma and Bio Sciences*, 1(4), 263-271.
- Schaubroeck, J. M., Riolli, L. T., Peng, A. C., & Spain, E. S. (2011). Resilience to traumatic exposure among soldiers deployed in combat. *Journal of occupational health psychology*, 16(1), 18.
- Shelley, T. O. C., Morabito, M. S., & Tobin-Gurley, J. (2011). Gendered institutions and gender roles: Understanding the experiences of women in policing. *Criminal justice studies*, 24(4), 351-367.
- Somvadee, C., & Morash, M. (2008). Dynamics of sexual harassment for policewomen working alongside men. *Policing: An International Journal of Police Strategies & Management*, 31(3), 485-498.
- Sood, A., Prasad, K., Schroeder, D., & Varkey, P. (2011). Stress management and resilience training among Department of Medicine faculty: a pilot randomized clinical trial. *Journal of general internal medicine*, 26, 858-861.
- Sundaram, M. S., & Kumaran, M. J. (2012). A study on frequency of stress among female police constables reference to Tamilnadu police department, India. *International Research Journal of Social Sciences*, 1(3), 15-20.
- Violanti, J. M. (2008). *Impact of stress on police officers' physical and mental health*. *Science Daily*. Retrieved July 15, 2010.

- Waite, P. J., & Richardson, G. E. (2004). Determining the efficacy of resiliency training in the work site. *Journal of allied Health, 33*(3), 178-183.
- Windle, G., Markland, D. A., & Woods, R. T. (2008). Examination of a theoretical model of psychological resilience in older age. *Aging and Mental Health, 12*(3), 285-292.
- Yoo, H., & Franke, W. D. (2011). Stress and cardiovascular disease risk in female law enforcement officers. *International archives of occupational and environmental health, 84*, 279-286.