IMPACT OF PATIENT LOAD ON HEALTHCARE WORKERS' JOB PERFORMANCE

Mohammed Awdah A Alenezi^{1*}, Adnan Basim M ALshakis², Mutlaq Obaid Mohammed Alanazi³, Moslem Ali Hussain Alwail⁴, Abdullah Fihat Alanazi⁵, Mohammed Abdullah Ahmed Alabbas⁶, Abdul Rahim Nada Muribed Al-Anazi⁷, Khalid Fadhel Ghazi Alanazi⁸, Bandar Salama Hamad Alanazi⁹, Mohammed Marzouq Zaal Alanazi¹⁰

Abstract

In the realm of healthcare, the workload carried by healthcare workers, often referred to as patient load, is a pivotal factor influencing the quality of care provided and the overall job performance of healthcare professionals. Patient load encapsulates the number of patients assigned to each healthcare worker for treatment and care. This critical metric has been a subject of extensive inquiry and concern among healthcare organizations, policymakers, and researchers alike. The relationship between patient load and healthcare workers' job performance is multifaceted and intricate. High patient load not only affects the physical and mental well-being of healthcare workers but also has profound implications for the quality, efficiency, and effectiveness of patient care delivery. Understanding the intricacies of this relationship is crucial for devising strategies to optimize healthcare delivery and ensure the well-being of both healthcare workers and patients. Notably, it contributes to heightened stress and burnout among them. Managing a large number of patients often leads to elevated stress levels, resulting in burnout and diminished job satisfaction, consequently impacting the quality of care provided. Additionally, an increased patient load reduces the time healthcare workers can allocate to each patient. With a heavy workload, they may struggle to thoroughly assess conditions, deliver comprehensive treatment, or effectively communicate with patients and their families. Consequently, this can lead to diagnostic and treatment errors, as well as lower levels of patient satisfaction. Also, a high patient load can hinder effective collaboration among healthcare workers. Overwhelmed by numerous patients, they may lack the time and energy needed for seamless communication with colleagues, potentially causing breakdowns in coordination and inefficiencies in care delivery. Consequently, this could lead to decreased job satisfaction among healthcare workers. Factors influencing patient load in healthcare settings include the demand for services, availability of healthcare professionals, complexity of patient cases, resource availability, and technological utilization. By comprehensively understanding these influences and implementing effective strategies for patient flow management, healthcare organizations can optimize care delivery and ensure patient satisfaction. Collaboration among healthcare providers is paramount in addressing these factors and devising solutions to enhance patient outcomes and overall healthcare experiences.

Keywords: Patient load, healthcare workers, job performance, stress, burnout, workload management.

- ¹ *Emergency medical services technician, emergency and crisis management and medical coordination, Arar
- ² Emergency Medical Services Specialist, Medical Transport Department, Al-Ahsa Health Cluster, Al-Ahsa
- ³ Emergency medical services technician, emergency and crisis management and medical coordination, Arar
- ⁴ Emergency medical services specialist, emergency and disaster management and medical transport, Arar
- ⁵ Emergency medical services technician, Irada and Mental Health Complex, Arar
- ⁶ Emergency medical services technician, Irada and Mental Health Complex, Arar
- ⁷ Emergency medical services technician, emergency and crisis management and medical coordination, Arar
- ⁸ Emergency medical services technician, emergency and crisis management and medical coordination, Arar
- ⁹ Emergency medical services technician, emergency and crisis management and medical coordination, Arar

DOI: 10.53555/ecb/2022.11.10.142

¹⁰Emergency Medical Services Technician, Beneficiary Experience Center, Arar

^{*}Corresponding Author: Mohammed Awdah A Alenezi

^{*}Emergency medical services technician, emergency and crisis management and medical coordination, Arar

Introduction

In the realm of healthcare, the workload carried by healthcare workers, often referred to as patient load, is a pivotal factor influencing the quality of care provided and the overall job performance of healthcare professionals. Patient load encapsulates the number of patients assigned to each healthcare worker for treatment and care. This critical metric has been a subject of extensive inquiry and concern among healthcare organizations, policymakers, and researchers alike.

The relationship between patient load and healthcare workers' job performance multifaceted and intricate. High patient load not only affects the physical and mental well-being of healthcare workers but also has profound implications for the quality, efficiency, and effectiveness of patient care delivery. Understanding the intricacies of this relationship is crucial for devising strategies to optimize healthcare delivery and ensure the well-being of both healthcare workers and patients. Notably, it contributes to heightened stress and burnout among them. Managing a large number of patients often leads to elevated stress levels, resulting in burnout and diminished job satisfaction, consequently impacting the quality of care provided [1].

Additionally, an increased patient load reduces the time healthcare workers can allocate to each patient. With a heavy workload, they may struggle conditions, thoroughly assess deliver comprehensive treatment, or effectively communicate with patients and their families. Consequently, this can lead to diagnostic and treatment errors, as well as lower levels of patient satisfaction [2]. Also, a high patient load can hinder effective collaboration among healthcare workers. Overwhelmed by numerous patients, they may lack the time and energy needed for seamless communication with colleagues, potentially breakdowns in coordination causing inefficiencies in care delivery. Consequently, this could lead to decreased job satisfaction among healthcare workers [3].

Theoretically, workload face by the workers can create elements of stress which can motivate and demotivate workers in general. From the positive perspectives, workload gives the opportunity for the employees to learn and faster success. Employees gain their experience when they are doing their jobs, which increase their exposure to the fields they involved. Employees will be more active and energetic work to do. It is also viewed that employees who have enough work to do retained more motivation. On the contrary, less work employees be more not active and unwilling to work. The pressure from workload can lead to

positive to increase their productivity. Employees who have the capabilities are enjoying performing the workload [4].

Factors influencing patient load in healthcare settings:

Patient load in healthcare settings is a pivotal determinant that significantly affects the quality and timeliness of patient care. It denotes the volume of patients assigned to healthcare providers for treatment and management within a specific timeframe. Several factors contribute to patient load in healthcare settings, and grasping these influences is imperative for healthcare organizations to adeptly manage patient flow and uphold standards of care [5].

Excessive workload can lead to incidents as individuals may experience sleep disturbances, resort to self-medication or overmedication, feel depressed, anxious, jittery, and become prone to anger and recklessness. Unmanageable workloads can adversely affect overall health, placing stress on the body and influencing mood and cognitive function. For instance, sleep deprivation can have severe consequences, including impaired cognitive function and mental status, potentially endangering lives [6].

One primary determinant of patient load in

healthcare settings is the overall demand for healthcare services. This demand is shaped by various factors, including population growth, shifts in demographics, and the prevalence of chronic conditions. With an escalating demand for healthcare services, healthcare providers may face the challenge of accommodating a larger influx of patients, consequently elevating patient load [7]. Additionally, the availability of healthcare providers plays a crucial role in shaping patient dynamics. Shortages of healthcare professionals, particularly in specialized areas such as primary care and mental health, are prevalent in many healthcare settings. Consequently, healthcare providers may find themselves tasked with managing a higher volume of patients, potentially straining resources and compromising care quality

Moreover, the complexity of patient cases contributes significantly to patient load variations in healthcare settings. Patients with intricate medical conditions or multiple comorbidities necessitate more extensive time and resources for effective treatment. Coordinating care for such patients, involving multiple healthcare providers, further amplifies the burden on healthcare professionals and may lead to care delays [8].

The presence of healthcare resources, spanning hospital beds, medical tools, and support staff,

plays a crucial role in determining patient load. Insufficient resources may hinder healthcare providers from adequately addressing patient needs, leading to an increase in patient load and bottlenecks within the healthcare system. Conversely, ample resources enable more effective patient management and ensure timely delivery of care [9]. inadequate healthcare resources can result in longer wait times for patients, delayed treatments, and overwhelmed healthcare providers. This can lead to compromised patient care quality and decreased patient satisfaction. Conversely, having sufficient resources allows healthcare facilities to operate more efficiently, reducing wait times, and ensuring patients receive the care they need in a timely manner.

Furthermore, the integration of technology into healthcare settings adds another layer of complexity to the dynamics of patient load. Electronic health records, telemedicine platforms, and other technological advancements streamline processes and enhance communication among healthcare professionals. However, the implementation of such technologies may require additional training and support, which could potentially impact the management of patient load [10].

Regarding technology integration, while it can improve efficiency and communication among healthcare workers, it may also present challenges. For instance, transitioning to electronic health records systems or adopting telemedicine platforms requires time, training, and financial investment. During this transition period, healthcare workers may experience additional burdens or disruptions in workflow, potentially affecting patient load management.

The availability of healthcare resources and the integration of technology are critical factors influencing patient load in healthcare settings. Addressing resource shortages and effectively managing the adoption of technology are essential steps for healthcare organizations to optimize patient load management and ensure high-quality care delivery. Patient load in healthcare settings is shaped by a myriad of factors, including demand services, availability of healthcare professionals, complexity of patient cases, resource availability, and technological utilization [11]. By comprehensively understanding these influences and implementing effective strategies for patient flow management, healthcare organizations can optimize care delivery and ensure patient satisfaction. Collaboration among healthcare providers is paramount in addressing these factors and devising solutions to enhance patient outcomes and overall healthcare experiences.

Impact of patient load on healthcare workers' job performance:

The impact of patient load on healthcare workers' job performance is significant, encompassing various challenges that can impede their ability to deliver quality care. High patient loads often result in heightened stress levels, fatigue, and burnout among healthcare workers, leading to decreased job satisfaction and increased risks of errors in patient care. Moreover, the increased workload may limit the time healthcare workers can allocate each patient, compromising thorough assessments and effective communication, which can further exacerbate the quality of care delivered Additionally, overwhelmed healthcare workers may struggle to collaborate effectively colleagues, causing breakdowns coordination and inefficiencies in care delivery. Addressing the impact of patient load on healthcare workers' job performance is crucial for maintaining both the well-being of healthcare professionals and the quality of care provided to patients.

Healthcare workers play an indispensable role in upholding the quality of patient care and ensuring the seamless operation of healthcare facilities. Nevertheless, the escalating patient load has emerged as a pressing concern for healthcare workers, given its profound ramifications on their job performance. This essay will delve into the repercussions of patient load on healthcare workers' job performance and explore the various contributing factors. Patient load denotes the volume of patients assigned to healthcare workers during their shifts. A high patient load poses numerous challenges for healthcare workers, including heightened stress, fatigue, and burnout, all of which detrimentally affect their performance and well-being [5].

The impact of patient load on healthcare workers' job performance is multifaceted and profound. Firstly, heightened stress levels are a significant consequence of managing a high patient load, as healthcare workers struggle to balance multiple tasks such as medication administration, patient assessments, and communication with patients and families. This overwhelming workload impedes their ability to prioritize tasks effectively, compromising the quality of care delivered [13]. Secondly, a high patient load contributes to feelings of fatigue and burnout among healthcare workers. as prolonged working hours, inadequate breaks, and continuous exposure to high-pressure situations take a toll on their physical and mental health. This leads to decreased job satisfaction, increased absenteeism, and a higher likelihood of errors in patient care [14].

Additionally, the quality of care provided by healthcare workers is compromised under a high patient load, as they may struggle to allocate sufficient attention to each patient, increasing the risk of medical errors and adverse outcomes. Several factors contribute to the elevated patient load, including the growing demand for healthcare services due to population growth, aging demographics, and the prevalence of chronic illnesses, as well as staffing shortages and budgetary constraints. Moreover, the COVID-19 pandemic has exacerbated the issue by intensifying the burden on healthcare workers, fueling burnout and compromising job performance as they balance care for COVID-19 patients with other medical emergencies [15].

Addressing the impact of patient load on healthcare workers' job performance is essential to safeguarding their well-being and ensuring the quality of patient care. This requires mitigating challenges such as staffing shortages and budget constraints to create a supportive work environment and implementing effective patient load management strategies to enhance job satisfaction, reduce burnout, and elevate overall care quality.

Challenges faced by healthcare workers due to increase in the number of patients

Healthcare workers encounter a myriad of challenges due to high patient loads, each exerting a significant toll on their well-being and job performance. These challenges include heightened stress levels, increased fatigue and burnout, compromised quality of care, and exacerbated difficulties during the COVID-19 pandemic.

Firstly, elevated stress levels emerge as a prominent challenge for healthcare workers contending with high patient loads. The need to manage numerous tasks simultaneously, coupled with the pressure to provide timely and comprehensive care to a large volume of patients, contributes to overwhelming stress levels. This stress not only impacts their mental health but also impedes their ability to prioritize tasks effectively, potentially compromising patient care [16].

Secondly, healthcare workers face heightened fatigue and burnout as they grapple with the demands imposed by high patient loads. Long hours, inadequate breaks, and continuous exposure to intense work environments take a toll on their physical and mental well-being. This chronic state of exhaustion diminishes job satisfaction, increases absenteeism rates, and elevates the risk of committing errors in patient care, further

exacerbating the challenges faced by healthcare workers

Moreover, the quality of care delivered by healthcare workers is compromised under the strain of high patient loads. The inability to allocate sufficient time and attention to each patient increases the likelihood of overlooking important tasks or rushing through critical procedures. Consequently, medical errors, misdiagnoses, and other adverse outcomes become more prevalent, eroding patient trust in the healthcare system and exacerbating the challenges faced by healthcare workers.

Furthermore, the COVID-19 pandemic has intensified the challenges confronted by healthcare workers amidst high patient loads. The surge in COVID-19 cases has placed unprecedented pressure on healthcare systems worldwide, overwhelming healthcare workers already grappling with elevated patient loads. Balancing the care of COVID-19 patients with the management of other medical emergencies has stretched healthcare workers to their limits, fueling burnout and exacerbating the challenges they face in delivering quality care [17].

The researchers believe that healthcare workers confront a multitude of challenges due to high patient loads, including heightened stress levels, increased fatigue and burnout, compromised quality of care, and exacerbated difficulties during the COVID-19 pandemic. Addressing these challenges necessitates implementing strategies to alleviate the burden on healthcare workers, prioritize their well-being, and enhance patient care delivery in healthcare settings.

Strategies for Mitigating the Impact of Patient Load:

Strategies for mitigating the impact of patient load on healthcare workers' job performance involve various approaches aimed at optimizing workflow efficiency, supporting healthcare workers' well-being, and ensuring high-quality patient care. One key strategy is to optimize staffing levels by hiring additional personnel or redistributing tasks among existing staff to better manage patient load. This can help prevent healthcare workers from becoming overwhelmed and improve their ability to provide timely and effective care [18].

Additionally, leveraging technology solutions such as electronic health records and telemedicine platforms can streamline processes, enhance communication, and reduce administrative burdens, thereby freeing up more time for direct patient care. Providing adequate training and support for healthcare workers to cope with the stress and demands of high patient loads is also

crucial [19]. This may include offering stress management programs, counseling services, and flexible work schedules to promote mental health and job satisfaction. Furthermore, implementing strategies for workload prioritization and time management can help healthcare workers allocate their resources more effectively and ensure that critical tasks are addressed promptly. Collaborative efforts among healthcare teams, communication channels, and clear protocols for patient care can further enhance coordination and efficiency in managing patient load. Overall, a comprehensive approach that addresses staffing, technology, training, and communication is essential for mitigating the impact of patient load and promoting optimal job performance among healthcare workers [8].

There are various strategies available for healthcare

organizations to alleviate the adverse effects of patient load on the job performance of healthcare workers. One approach is to augment staffing levels to prevent healthcare workers from becoming overwhelmed by a high volume of patients. Through recruiting additional personnel, healthcare organizations can distribute the patient load more evenly among staff members, enabling them to deliver quality care to each patient [19]. Another strategy involves leveraging technology solutions to streamline workflow and enhance efficiency for healthcare workers. Technologies such as electronic health records and telemedicine platforms facilitate quicker access to patient information and more effective communication among healthcare professionals, thereby reducing

Moreover, healthcare organizations can provide training and support programs to help healthcare workers cope with the stress and burnout associated with high patient loads. By offering resources such as counseling services, stress management programs, and flexible work schedules, healthcare organizations can assist healthcare workers in maintaining their well-being and job satisfaction amidst the challenges posed by high patient loads [20].

the time and effort required to care for a large

number of patients [5].

Importance of Self-Care and Mental Health Support for Healthcare Professionals:

The importance of self-care and mental health support for healthcare professionals cannot be overstated, particularly in the context of managing high patient loads and demanding work environments. Healthcare professionals are often exposed to high levels of stress, emotional strain, and traumatic events in their line of work, which can take a toll on their mental and physical well-

being. Prioritizing self-care practices such as regular exercise, adequate rest, and engaging in hobbies or activities outside of work can help healthcare professionals manage stress and prevent burnout. Additionally, seeking mental health support through therapy, counseling, or peer support groups can provide essential tools for coping with work-related stressors and processing difficult emotions [21]. By prioritizing their own health and well-being. mental professionals can maintain resilience, satisfaction, and the ability to provide high-quality care to their patients. Furthermore, healthcare organizations play a crucial role in supporting the mental health of their employees by providing access to resources such as counseling services, mental health education, and creating a supportive work culture that encourages open communication and destigmatizes seeking help for mental health concerns. Overall, investing in self-care and mental health support for healthcare professionals is essential for promoting their overall well-being, job satisfaction, and ensuring the delivery of quality patient care.

Healthcare professionals serve a vital role in society by delivering care and assistance to those in need. However, the demands of their profession can adversely impact their mental and physical health. It is imperative for healthcare professionals to prioritize self-care and seek mental health support to ensure their continued ability to provide quality care to patients [22].

The demanding nature of the healthcare profession can lead to burnout, compassion fatigue, and heightened stress levels. Factors such as long working hours, emotional strain, and exposure to traumatic events contribute to the mental health challenges faced by healthcare professionals. Neglecting these challenges can have severe consequences not only for individuals but also for the quality of care they offer to patients. Self-care is a fundamental aspect of maintaining mental health and well-being. It involves allocating time to address personal needs, whether through exercise, relaxation techniques, spending time with loved ones, or engaging in hobbies and activities that bring joy. By prioritizing self-care, healthcare professionals can better manage job demands and prevent burnout [23].

Moreover, accessing mental health support is imperative for healthcare professionals. Collaborating with a therapist or counselor offers a secure environment to navigate emotions, process traumatic encounters, and cultivate coping strategies for stress management. Mental health assistance also facilitates the early recognition of burnout and compassion fatigue signs, enabling

proactive measures to safeguard mental well-being. Healthcare organizations must give precedence to mental health support for their workforce, which may include granting access to counseling services, providing mental health resources and training, and fostering an environment that promotes open discussions about mental health issues [24].

By addressing mental health needs proactively, healthcare organizations can mitigate burnout, decrease turnover rates, and enhance overall staff well-being. In conclusion, the significance of selfcare and mental health support for healthcare professionals cannot be overstated. By prioritizing their own well-being and seeking help as needed, healthcare professionals ensure they can continue deliver optimal care to patients. prioritization not only benefits individual healthcare professionals but also elevates the quality of care provided to the community as a whole. Supporting and prioritizing the mental health and well-being of those dedicated to caring for others is paramount [25].

Conclusion:

The impact of patient load on healthcare workers' job performance is profound and multifaceted. As elucidated throughout this exploration, high patient loads present formidable challenges for healthcare professionals, including heightened stress levels, increased fatigue and burnout, compromised care quality, and exacerbated difficulties during crises such as the COVID-19 pandemic. However, amidst these challenges lie opportunities for healthcare organizations to implement strategies aimed at alleviating the burden on healthcare workers and fostering a supportive work environment.

By augmenting staffing levels, technology solutions, and providing training and support programs, healthcare organizations can mitigate the negative impact of patient load on healthcare workers' job performance. Moreover, prioritizing self-care and mental health support for healthcare professionals is essential, as it ensures their sustained ability to deliver quality care to patients while maintaining their own well-being. In essence, addressing the impact of patient load on healthcare workers' job performance requires a comprehensive approach that recognizes the unique challenges faced by healthcare professionals and prioritizes their mental and physical health. By doing so, healthcare organizations can cultivate an environment conducive to optimal patient care delivery and ensure the continued well-being and effectiveness of their workforce.

References:

- 1. Bae SH, Fabry D. Assessing the relationships between nurse work hours/overtime and nurse and patient outcomes: systematic literature review. Nurs Outlook. 2014;62(2):100-108.
- 2. Ball JE, Murrells T, Rafferty AM, Morrow E, Griffiths P. 'Care left undone' during nursing shifts: associations with workload and perceived quality of care. BMJ Qual Saf. 2014;23(2):116-125.
- 3. Dall'Ora C, Ball J, Redfern O, et al. Are long nursing shifts on hospital wards associated with sickness absence? A longitudinal retrospective observational study. J Nurs Manag. 2019;27(4):879-886.
- 4. Hussain Shah, S. S., Jaffari, A. R., Aziz, J, Ihsan Ul-Haq, W. E., & Raza, S. N. (2011). Workload and performance of employees. Interdisciplinary Journal of Contemporary Research in Business, 3(5), 256-267.
- 5. Dall'Ora C, Griffiths P, Ball J, et al. Association of 12 h shifts and nurses' job satisfaction, burnout and intention to leave: findings from a cross-sectional study of 12 European countries. BMJ Open. 2015;5(9):e008331.
- Killgore, W. D., Killgore, D. B., Day, L. M., Li, C., Kamimori, G. H., & Balkin, T. J. (2007). The effects of 53 hours of sleep deprivation on moral judgment. Division of Psychiatry and Neuroscience, Walter Reed Army Institute of Research, 30(3), 345-352.
- 7. Aiken LH, Sloane DM, Bruyneel L, Van den Heede K, Sermeus W. Nurses' reports of working conditions and hospital quality of care in 12 countries in Europe. Int J Nurs Stud. 2013;50(2):143-153.
- 8. Kane RL, Shamliyan TA, Mueller C, Duval S, Wilt TJ. The association of registered nurse staffing levels and patient outcomes: systematic review and meta-analysis. Med Care. 2007;45(12):1195-1204.
- 9. Kutney-Lee A, McHugh MD, Sloane DM, Cimiotti JP, Flynn L, Neff DF, Aiken LH. Nursing: a key to patient satisfaction. Health Aff (Millwood). 2009;28(4):669-677.
- 10.Lake ET. Development of the practice environment scale of the Nursing Work Index. Res Nurs Health. 2002;25(3):176-188.
- 11. Yang, X. M., Ben, J. M., Chang, C. C. L., & Chich, J. S. (2014). Effects of Workload on Burnout and Turnover Intention of Medical Staff: A Study. *Ethno Med*, 8(3), 229-237
- 12. Gerami Nejad N, Hosseini M, Mousavi Mirzaei S, Ghorbani Moghaddam Z. Association between Resilience and Professional Quality of Life among Nurses Working in Intensive Care Units. IJN. 2019;31(116):49–60.
- 13.Mark BA, Harless DW, McCue M, Xu Y. A

- longitudinal examination of hospital registered nurse staffing and quality of care. Health Serv Res. 2004;39(2):279-300.
- 14.McHugh MD, Kutney-Lee A, Cimiotti JP, Sloane DM, Aiken LH. Nurses' widespread job dissatisfaction, burnout, and frustration with health benefits signal problems for patient care. Health Aff (Millwood). 2011;30(2):202-210.
- 15. Needleman J, Buerhaus P, Mattke S, Stewart M, Zelevinsky K. Nurse-staffing levels and the quality of care in hospitals. N Engl J Med. 2002;346(22):1715-1722.
- 16. Schubert M, Glass TR, Clarke SP, et al. Rationing of nursing care and its relationship to patient outcomes: the Swiss extension of the International Hospital Outcomes Study. Int J Qual Health Care. 2008;20(4):227-237.
- 17. Sermeus W, Aiken LH, Van den Heede K, et al. Nurse forecasting in Europe (RN4CAST): rationale, design and methodology. BMC Nurs. 2011:10:6.
- 18.Stone PW, Mooney-Kane C, Larson EL, et al. Nurse working conditions and patient safety outcomes. Med Care. 2007;45(6):571-578
- 19.Jarahian Mohammady M, Sedighi A, Khaleghdoost T, Kazem Nejad E, Javadi-Pashaki N. Relationship between Nurses' subjective workload and occupational cognitive failure in Intensive Care Units. J Crit Care Nurs (jccnursing). 2018;11(4):53–61.
- 20.Trinkoff AM, Johantgen M, Storr CL, Gurses AP, Liang Y, Han K. Nurses' work schedule characteristics, nurse staffing, and patient mortality. Nurs Res. 2011;60(1):1-8.
- 21. Jamebozorgi M, Jafari H, Sadeghi R, Sheikhbardsiri H, Kargar M, Gharaghani MA. The prevalence of depression, anxiety, and stress among nurses during the coronavirus disease 2019: a comparison between nurses in the frontline and the second line of care delivery. Nurs Midwifery Stud. 2021;10(3):188–93.
- 22. Twigg D, Duffield C, Thompson PL. A review of the literature on debriefing or non-technical skills training to improve nursing performance during patient deterioration. Aust Crit Care. 2016;29(4):212-218.
- 23. Van Bogaert P, Clarke S, Willems R, Mondelaers M. Staff engagement as a target for managing work environments in psychiatric hospitals: implications for workforce stability and quality of care. J Clin Nurs. 2013;22(11-12):1717-1728.
- 24.Mohammadi M, Mozaffari N, Dadkhah B, Etebari Asl F, Etebari Asl M. Study of workrelated quality of life of nurses in Ardabil Province Hospitals. J Health Care (JHC).

- 2017;19(3):108-16.
- 25.https://www.lifehetu.com/blog/The-Importance-of-Self-Care-for-Mental-Health-Professionals/