



MANAGEMENT COLLEGE

MASTER OF RISK MANAGEMENT

Graduation Research Proposal 2023

The Impact of Risk Management for Patient Safety and Health During Covid 19 In Government Hospital in Saudi Arabia

أثر إدارة المخاطر على سلامة المرضى وصحتهم أثناء كوفيد 19 في المستشفيات الحكومية بالمملكة العربية السعودية

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- **Introduction**

Healthcare systems throughout the world have been confronted with a new and unprecedented challenge by the COVID-19 pandemic, necessitating rapid adaptation and the introduction of appropriate methods to safeguard patient safety and health. The complexity and unpredictability of the epidemic have highlighted the need of risk management in this setting. Safeguarding patient safety, reducing the transmission of the virus, and improving healthcare delivery have all been possible thanks to the proactive identification, assessment, and mitigation of risks related with COVID-19 by healthcare organizations in Saudi Arabia and other countries. Infection avoidance and control, screening and the triage phase, resource allocation, telemedicine, and communication methods are just few of the topics that are discussed in this article as they pertain to the major influence risk management had on patient safety and health during the COVID-19 pandemic. Securing patients, healthcare providers, and healthcare systems' overall resilience in the face of this continuing worldwide crisis has relied heavily on understanding and executing these risk management techniques.

- **Study problem**

The COVID-19 pandemic has shown where the healthcare system is weak, highlighting the need of rigorous risk management practices to safeguard both patients and healthcare providers. When it comes to pandemic management and keeping patients safe, Saudi Arabia has had just as much trouble as any other country. This study highlights the issues related to insufficient medical protocols to officers, inefficient resource allocation and stress to the patients suffering and the families.

- **Importance of study**

The study focuses to shed light on the role risk management played in ensuring the health and wellbeing of patients in Saudi Arabia during the recent COVID-19 epidemic. The results of the research will be helpful in protecting patients and slow the spread of the COVID-19 virus in a better way, providing assistance in identifying the most promising risk management techniques and best practices, in giving advice on how to overcome obstacles to adopting risk management strategies and in Improving the healthcare system's resilience in the face of future pandemics and other catastrophic events by informing healthcare policy and recommendations.

- **Objective**

This study investigates the impact of risk management for patient safety and health during covid 19 among a group of health care risk managers/patient safety practitioners. The study aims to accomplish the following main points:

- Evaluate how well preparedness measures for the COVID-19 pandemic in Saudi Arabia were at ensuring patient safety.
- To look at how risk management affects COVID-19 patients' health in Saudi Arabia as a whole.
- Recognize difficulties in executing risk management strategies and provide solutions to these problems.

- **Study questions:**

1. How well did healthcare institutions in Saudi Arabia protect their patients from the COVID-19 epidemic by using risk management strategies?
2. How can patient safety be improved by addressing the gaps and problems in current risk management measures during COVID-19 in Saudi Arabia?

3. What role does the distribution of resources like PPE, testing kits, and medical supplies play?
4. How do different communication and information distribution tactics compare during the COVID-19 epidemic in Saudi Arabia,
5. How does the COVID-19 epidemic effect the mental health and well-being of patients and healthcare providers in Saudi Arabia?

- **Previous studies and theoretical framework**

Risk management, patient safety, and health during the COVID-19 pandemic have all been the subject of several prior research. These studies provide the groundwork for learning what is already known and where further research is needed, especially with regards to Saudi Arabia. Previous research has shown, among other things, that various risk management measures were beneficial during the 2009 COVID-19 epidemic.

- **Theoretical premises of study**

Comprehensive assessment of risks, proactive risk mitigation methods, and good communication have all been shown to be crucial in these studies for protecting patient safety and improving health outcomes along with the effect of pandemic resource allocation on patient safety and health, including the distribution of personal protective equipment, testing kits, and medical supplies. Patients and healthcare personnel alike have been made more aware of the need of a fair and balanced allocation of resources.

- **Methodology & Research methods**

a) Design:

This study will use a mixed-methods strategy, integrating quantitative and qualitative techniques to examine the effects of risk management from every

angle. Information will be gathered for the research using questionnaires, in-person interviews, and a review of medical records and files. Hospitals, clinics, and COVID-19 treatment facilities in Saudi Arabia will be included in the study.

b) Sample selection.

We will use stratified sampling to obtain a representative sample of hospitals and clinics from across the nation.

c) Data Gathering:

- **Study tools**

The study will include:

Questionnaires designed to gauge healthcare providers' thoughts on risk management approaches, how such approaches are put into practice, and the resulting effects on patient safety, In-depth discussions with healthcare providers on the difficulties, triumphs, and room for development in pandemic risk management. Patient health records and treatment results will be analyzed for the effects of risk management strategies on COVID-19 patients.

Statistical tools will be used to analyze quantitative data, and theme analysis will be performed on qualitative data gathered via interviews. The effects of risk management will be well understood thanks to the triangulation of the findings.

- **Field of study**

. The field of study focuses on:

a) Inadequate risk management protocols:

It is unknown how effective risk management measures were or were not used in Saudi Arabian healthcare institutions during the COVID-19 epidemic. If we really want to make sure our patients are safe, we need to take a hard look at our current processes and fill any holes we find.

b) Inadequate resource allocation

One of the most important aspects of pandemic management and patient safety is the distribution of resources including personal protective equipment (PPE), testing kits, and medical supplies. The purpose of this research is to examine how different allocation strategies affected patient safety during COVID-19 in Saudi Arabia.

c) Consequences on patients' and care givers' mental health

The COVID-19 issue has not only had a physical toll on patients and healthcare personnel, but it has also had a significant psychological effect on them. The purpose of this study is to investigate the impact of the pandemic on patients' mental health and to provide solutions to this problem.

In light of the recent COVID-19 epidemic in Saudi Arabia, this proposal seeks to examine how risk management affected patient safety and health. The results of this research will help healthcare providers better manage risks, deliver better services to patients, and be better prepared for emergencies.

• References:

- Card, A. J. (2022). Burnout and sources of stress among health care risk managers and patient safety personnel during the COVID-19 pandemic: A pilot study. *Disaster Medicine and Public Health Preparedness*, 16(6), 2319-2321.
- Staines, A., Amalberti, R., Berwick, D. M., Braithwaite, J., Lachman, P., & Vincent, C. A. (2021). COVID-19: patient safety and quality improvement skills to deploy during the surge. *International Journal for Quality in Health Care*, 33(1), mzaa050.
- Wessels, R., & McCorkle, L. M. (2021). Analysis of patient safety risk management call data during the COVID-19 pandemic. *Journal of Healthcare Risk Management*, 40(4), 30-37. Alboksmaty, A., Kumar, S., Parekh, R., & Aylin, P. (2021). Management and patient safety of complex elderly patients in primary care during the COVID-19 pandemic in the UK—Qualitative assessment. *PLoS One*, 16(3), e0248387.
- Wu, A. W., Sax, H., Letaief, M., Bellandi, T., Newman-Toker, D., Paine, L. A., ... & Haut, E. R. (2020). COVID-19: The dark side and the sunny side for patient safety. *Journal of Patient Safety and Risk Management*, 25(4), 137-141.
- Rangachari, P., & L. Woods, J. (2020). Preserving organizational resilience, patient safety, and staff retention during COVID-19 requires a holistic consideration of the psychological safety of healthcare workers. *International journal of environmental research and public health*, 17(12), 4267.
- Stayt, L. C., Merriman, C., Bench, S., M. Price, A., Vollam, S., Walthall, H., ... & Calovski, V. (2022). ‘Doing the best we can’:

Registered Nurses' experiences and perceptions of patient safety in intensive care during COVID-19. *Journal of Advanced Nursing*, 78(10), 3371-3384.

- Fournier, J. P., Amélineau, J. B., Hild, S., Nguyen-Soenen, J., Daviot, A., Simonneau, B., ... & Carson-Stevens, A. (2021). Patient-safety incidents during COVID-19 health crisis in France: an exploratory sequential multi-method study in primary care. *European Journal of General Practice*, 27(1), 142-151.
- Wang, C., Cheng, Z., Yue, X. G., & McAleer, M. (2020). Risk management of COVID-19 by universities in China. *Journal of Risk and Financial Management*, 13(2), 36.
- Brborović, O., Brborović, H., & Hrain, L. (2022). The COVID-19 pandemic crisis and Patient Safety Culture: a mixed-method study. *International Journal of Environmental Research and Public Health*, 19(4), 2237.
- Teo, K. Y. C., Chan, R. P., & Cheung, C. M. G. (2020). Keeping our eyecare providers and patients safe during the COVID-19 pandemic. *Eye*, 34(7), 1161-1162.
- Olimid, A. P., & Olimid, D. A. (2020). Ethical review of patient safety and public health in EU clinical trials legislation: impact of COVID-19 pandemic. *Romanian Journal of Morphology and Embryology*, 61(1), 277.
- Oliva, A., Caputo, M., Grassi, S., Vetrugno, G., Marazza, M., Ponzanelli, G., ... & Pascali, V. L. (2020). Liability of health care professionals and institutions during COVID-19 pandemic in Italy:

symposium proceedings and position statement. *Journal of patient safety*, 16(4), e299.

- Parretti, C., Tartaglia, R., La Regina, M., Venneri, F., Sbrana, G., Mandò, M., & Barach, P. (2022). Improved FMEA methods for proactive health care risk assessment of the effectiveness and efficiency of COVID-19 remote patient telemonitoring. *American Journal of Medical Quality*, 37(6), 535.
- Obrien, N., Flott, K., & Durkin, M. (2021). COVID-19: leadership on the frontline is what matters when we support healthcare workers. *International Journal for Quality in Health Care*, 33(1), mzaa153.
- Gurtu, A., & Johnny, J. (2021). Supply chain risk management: Literature review. *Risks*, 9(1), 16.
- De Araújo Lima, P. F., Crema, M., & Verbano, C. (2020). Risk management in SMEs: A systematic literature review and future directions. *European Management Journal*, 38(1), 78-94.