

The Role of Nursing Research for Healthcare Practices

Valentina Mitani*

Department of Nursing, University of Chile, Santiago, Chile

Corresponding author: Valentina Mitani, Department of Nursing, University of Chile, Santiago, Chile, E-mail: Mitani_v@gmail.com

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Description

Nursing research plays an emerging role in advancing healthcare practices, improving patient outcomes and shaping health policies. Over the past few decades, nursing research has evolved significantly, contributing to the Evidence-Based Practice (EBP) that forms the backbone of modern nursing. This short communication aims to highlight the recent advancements in nursing research and discuss the challenges faced by nurse researchers today.

One of the most significant advancements in nursing research is the widespread adoption of Evidence-Based Practice (EBP). EBP integrates the best available research evidence with clinical expertise and patient values to facilitate clinical decision-making. This approach ensures that patient care is based on the most current and rigorous evidence available. For example, research on pressure ulcer prevention has led to the development of standardized protocols that significantly reduce the incidence of this common and debilitating condition in hospital settings.

EBP not only improves patient outcomes but also enhances the efficiency and effectiveness of healthcare delivery. Nurses are now better equipped to critically appraise research studies and apply findings in clinical practice. This shift towards EBP is supported by an increasing number of resources, such as online databases and journals, which provide access to high-quality research findings.

Electronic health records

Technological advancements have also revolutionized nursing research. The use of Electronic Health Records (EHRs) has enabled researchers to collect and analyze large datasets, leading to more robust and generalizable findings. Telehealth and Mobile Health (mHealth) technologies have opened new avenues for research, particularly in chronic disease management and rural health care. For instance, mHealth applications are being used to monitor patients with diabetes, providing real-time data that researchers can use to study treatment adherence and outcomes.

Simulation technology has also become a vital tool in nursing education and research. High-fidelity simulations allow researchers to study clinical scenarios in a controlled environment, improving understanding of clinical decision-

making processes and outcomes without putting patients at risk. These technological tools enhance the quality and scope of nursing research.

Nursing research

Despite these advancements, nursing research faces several challenges, with funding being one of the most significant. Securing research grants is highly competitive and nursing research often receives less funding compared to other medical fields. This funding disparity can limit the scope and impact of nursing research projects. Additionally, limited resources can affect the ability to conduct large-scale studies or long-term research, both of which are crucial for generating comprehensive evidence.

To address this challenge, it is essential for nurse researchers to develop strong grant-writing skills and seek funding from diverse sources, including government agencies, private foundations and industry partnerships. Furthermore, advocating for greater recognition of the value of nursing research within the broader scientific community can help secure more funding and resources.

Ethical considerations are paramount in nursing research, given the direct impact on patient care. Obtaining informed consent, ensuring patient confidentiality and conducting research in a manner that minimizes harm are critical components of ethical research. However, navigating these ethical requirements can be complex and time-consuming, potentially hindering the research process.

Practical issues, such as balancing research activities with clinical responsibilities, also pose challenges. Many nurse researchers are practicing clinicians who must manage their research commitments alongside patient care duties. This dual role can lead to time constraints and burnout, affecting the quality and progress of research.

Addressing these challenges requires institutional support, such as protected research time and access to research assistants. Additionally, fostering a research culture within clinical settings can encourage more nurses to engage in research activities and contribute to the advancement of the field. This includes providing ongoing education and training for nurses, creating supportive environments for change and developing tools and protocols that make it easier to integrate

new evidence into clinical workflows. Engaging frontline nurses in the research process can also help ensure that findings are relevant and applicable to clinical practice.

Nursing research has made significant strides in recent years, driven by the adoption of evidence-based practice, technological advancements and interdisciplinary collaboration. However, challenges such as limited funding, ethical and practical issues and the translation of research into practice continue to hinder progress. Addressing these challenges requires concerted efforts

from researchers, academic institutions, healthcare organizations and funding bodies.

By overcoming these obstacles, nursing research can continue to advance the field, improve patient outcomes and contribute to the overall betterment of healthcare systems. The future of nursing research lies in its ability to adapt to changing healthcare landscapes, embrace innovation and maintain a steadfast commitment to improving patient care through rigorous and relevant research.