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*Review on nurses embracing the latest technologies are changing nursing care*

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## **Abstract:**

Transformation into a digitally enabled profession will maximize the benefits to patient care. Digital technologies increasingly affect nursing globally. Examples include the growing presence of artificial intelligence (AI) and robotic systems; society's reliance on mobile, internet, and social media; and increasing dependence on telehealth and other virtual models of care, particularly in response to the covid-19 pandemic. Despite substantial advances to date, challenges in nursing's use of digital technology persist. A perennial concern is that nurses have generally not kept pace with rapid changes in digital technologies and their impact on society. This limits the potential benefits they bring to nursing practice and patient care. To respond to these challenges and prepare for the future, nursing must begin immediate transformation into a digitally enabled profession that can respond to the complex global challenges facing health systems and society. Many exemplars show how digital technologies already bring benefit to nursing practice and education. For instance, telehealth programs where nurses provide daily monitoring, coaching, and triage of patients with several chronic diseases have helped reduce emergency department admissions. Mobile devices, in particular smartphones and health applications, are enabling nurses to offer remote advice on pain management to adolescent patients with cancer and supplement aspects of nursing education by providing innovative pedagogical solutions for content delivery and remote learning opportunities. The development and application to nursing of systems based on AI are still in their infancy. But preliminary evidence suggests virtual chatbots could play a part in streamlining communication with patients, and robots could increase the emotional and social support patients receive from nurses, while acknowledging inherent challenges such as data privacy, ethics, and cost effectiveness.

## **Keywords:**

Artificial intelligence, robotic systems, mobile, internet, social media, nursing care, technology