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Paper Title:	Information Technologies and Healthcare Workforce Resilience: A Cochran-Armitage Trend Analysis
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Abstract

This longitudinal study investigated the evolution of technology adoption trends among Thai healthcare workers over a five-year period (2020-2024). The aim of this study was to examine the evolution of technological adaptation patterns among Thai healthcare workers over a five-year period, focusing on their use of conventional versus digital information methods. This analysis sought to reflect the resilience and adaptability of the healthcare workforce in the digital era, providing insights into the challenges and opportunities presented by the increasing digitalization of healthcare communication and information systems. The study employed a Cochran-Armitage trend analysis on data obtained from 10 cohort retrospective study with 1,326 ICU nurses who participated in biennial training sessions. The analysis found a considerable rise in conventional information distribution techniques (χ^2 trend = 15.844, p <.001), which refuted the expected increase in digital usage. In conclusion, despite expectations for rapid digital adoption in healthcare, slow adaptation rates persist. This underscores the need to bridge the gap between technological innovation and workforce competency, particularly among domestic staff in daily practices.