



# Assessment of Digital Literacy Courses' Influence on Healthcare Professionals' Practice Skills in Northern Nigeria: A Preliminary Exploration

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## Abstract

Digital literacy is increasingly recognised as a critical skill for healthcare professionals to enhance patient care and public health outcomes. A mixed-methods approach including pre- and post-course surveys and focus group discussions was employed to gather data from a sample of 120 healthcare professionals. Findings indicated that participants' self-reported digital literacy improved by 35% after the courses, with significant improvements in EHR use ( $p < 0.05$ ) and telemedicine delivery skills. The study highlights the potential of digital literacy training to enhance healthcare professionals' practice skills in Northern Nigeria. Further research should be conducted to evaluate long-term outcomes and explore broader impacts on patient care quality. Treatment effect was estimated with  $\text{text}\{ \text{logit} \}(\pi) = \beta_0 + \beta_1 X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *Sub-Saharan, e-learning, competency-based, interprofessional, geriatrics, informatics, qualitative*

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