**Use of e-learning Context Design Delivery and Outcomes(el-CDDO) framework to explore perceptions of learner nurses and nurse educators about Information and Communication Technology platforms**

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**Abstract**

**Background:** The desire to develop the e-learning model for nursing education, including the el-CCDO framework, to obtain the benefits associated with using technology in education sparked the interest of this paper. The e-learning Context Design Delivery and Outcomes(el-CDDO) framework to support the delivery of Information and Communication Technology (ICT) platforms in nursing education has received little scholarly attention.

**Aim:** To explore the perceptions of learner nurses and nurse educators about information and communication technology platforms at the Limpopo College of Nursing.

**Method:** The exploratory-descriptive qualitative research design was adopted to explore the perceptions of learner nurses and nurse educators regarding ICT platforms that support teaching, learning, and assessment in Limpopo nursing education institutions. Focus group discussions were held with purposively selected learner nurses and nurse educators to collect data. Thematic qualitative data analysis was used according to the five dimensions of the el-CDDO framework.

**Results:** ICT equips nurses with advanced skills, knowledge, and information for patient care. The desire of nurse educators to use ICT platforms and produce learners who are familiar with ICT in teaching, learning, and assessment is hindered by various factors**.** Such as a lack of training for all LCN stakeholders on the use of platforms and the Unavailability of a structured curriculum that embraces the use of ICT platforms.

**Conclusion.** The framework demonstrated that the dream to deliver ICT platforms faces diverse barriers to transformation. We recommend using the framework to plan and implement ICT projects to enhance innovation within nursing education institutions.

**Keywords**: el-CDDO, learner nurses, nurse educators, ICT platforms