Digital Learning in Nursing: Students Experiences with Shadow Health Pharmacology (SHP)

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AIMS

- This study utilized descriptive quantitative methodologies to achieve the following aims:

1. Evaluate the effectiveness of SHP in improving student success in the targeted pharmacology nursing course.
2. Investigate nursing students’ perceptions about the effectiveness of using Shadow Health Pharmacology (SHP).
3. Investigate its effects on improving students’ critical thinking, oral, and written communication skills.

RESULTS

- Figure 1. Students’ Final Online Course Letter Grades Before & After Using Shadow Health Pharmacology for Different Cohorts.

METHODS

- Descriptive correlational study.
- Ethical Considerations: IRB obtained from the targeted University
- Convenience sampling method was used, sample included fifty-one online students in their first year of the RN-BSN nursing program.
- Instrument: An online survey was developed to collect data about students’ learning experiences with SHP. The survey included questions related to demographic data, and Likert type questions with 28 items range from “Not Applicable”=0 to “Strongly Agree”=5, followed by open ended questions.

RESULTS

- Pie Chart#2: Descriptive statistics of top the five Likert type questions highly ranked by students by selecting “Strongly Agree” (n=51).

Study Implications

- This study provided descriptive quantitative results as reported by students, which have the potential to guide nursing curriculums in utilizing such digital learning systems.
- Digital accessibility, flexibility, convenience, feasibility of interactive virtual setting with full documentation and evaluation of student’s performance; all those factors impact nursing education to provide a virtually valid and interactive learning experiences to achieve course objectives.

Future Research Directions

Future research related to evaluating digital learning strategies effectiveness according to the targeted audience learning style, and aligned with QSEN competencies is highly encouraged.

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