

Examining and Improving Active Learning Strategies in an Undergraduate Nursing Curriculum

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Background

- ❖ In April of 2021, the American Association of Colleges of Nurses (AACN) endorsed the Essentials: Core Competencies for Professional Nursing Education to inform curricular content and competency expectations for graduates of nursing programs.1
- Nurse educators are re-designing nursing education with a competencybased pedagogical approach to close the gap between academia and practice.2,6,7
- Evidence reveals active learning as a strategy that supports student achievement of competency. 4, 5, 8, 10, 11
- Despite evidence supporting active learning strategies to deliver classroom content, barriers to implementation exist, including faculty lack of knowledge, experience, confidence, and skill.3,5,9

Purpose

The AIMS of this quality improvement project were to:

- ❖ Provide undergraduate nursing faculty with strategies to facilitate competency-based education through the incorporation of active learning in curricula.
- ❖ Implement a faculty workshop to facilitate faculty curriculum mapping and increase active learning by 10% by December of
- ❖ Assess and improve faculty knowledge of active learning strategies through achievement of > 85% on a post-workshop knowledge survey by December of 2022.

Methods

- Location: Northeast, United States
- Degree: Undergraduate baccalaureate nursing program
- · Students: 123 in sophomore cohort
- Faculty: 39 full-time, 48 part-time, and 6 adjunct
- 6 full-time faculty teaching sophomore-level nursing courses
 - n=6
 - Create and implement 3 workshop sessions
 - Sessions occurred in September, October, and December of 2022
- Each session was ninety minutes in length
- Teaching plan developed to guide each workshop utilizing active teaching-learning strategies
- Agenda and presentation materials were distributed to participants via email prior to each workshop
- Descriptive statistics

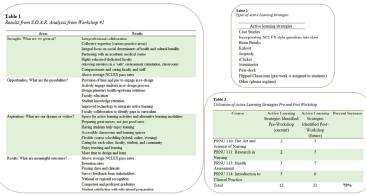
Outcome

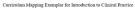
Measures

- S.O.A.R. analysis¹² Curriculum mapping task
- Qualitative survey data
- · Post-workshop knowledge survey

Results

- Curriculum mapping revealed a 75% increase of intended use of active learning strategies after faculty participated in the workshops.
- ❖ Faculty scored a 92% on the Post-Workshop Knowledge Survey





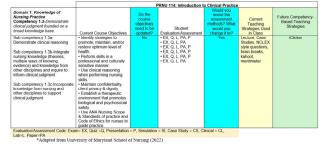
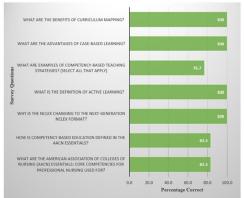


Figure 1 Participant Results of Post-Workshop Knowledge Survey



to individual questions with the intent of evaluating the quality of the survey. It was noted that only 20% of the icipants answered question 11 correctly, prompting elimination of the question due to item difficulty. Partial redit was awarded for correct multiple-choice answers

Discussion

- S.O.A.R. Analysis:
 - > Strengths collective expertise and collaborative nature of faculty
 - Opportunities more time, faculty education, involve students in curriculum review and change
 - Aspirations wish for accessible classrooms and flexible course scheduling
 - Results competent graduates, NCLEX exam pass rates, and student retention
- Curriculum mapping process was new experience for faculty
- Faculty scored above 85% on Post-Workshop Survey
- AIMS of the quality improvement project were met

Conclusions and Implications for Practice

- Opportunities for faculty professional development
 - > Development of super-user faculty to train-thetrainer
- ➤ Drop-in sessions
- Engaging entire faculty
- Utilizing instructional designers







References