

Developing Nurse Leaders through Human Patient Simulation

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Background & Objective

Nursing education programs provide few opportunities for students to experience the role of expert and develop leadership skills in a clinical setting. Human Patient Simulation (HPS) facilitation experiences provide an opportunity for students to progress in the role of professional nurse leader, a skill deemed to be vital to the profession (AACCN, 2016). Evidence suggests that peer-assisted learning increases self-confidence, and communication skills (Awasthi & Yadav, 2015) which may contribute to leadership abilities.

Objective:

To examine the effects of HPS using peer-based facilitation to develop leadership skills and foster peer support.

Methods

Participants

- BSN Nursing students
 - Senior student facilitators n = 62
 - Junior and Sophomore participants n = 208

Measures (analysis underway)

- Authentic Leadership Questionnaire
- IPIP Personality
- MSCEIT Emotional Intelligence Test
- Oldenburg Burnout Inventory
- Student Satisfaction & Self-Confidence in Learning Scale

Four simulations for Junior-level specialty nursing courses:

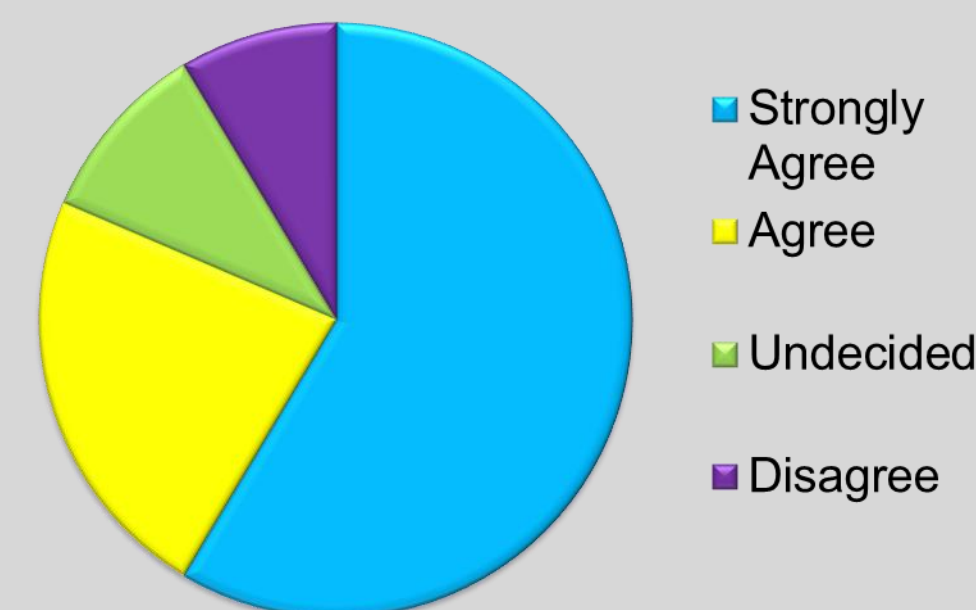
- OB
- Gerontology
- Psych
- Pediatric

80 Simulations total; each included:

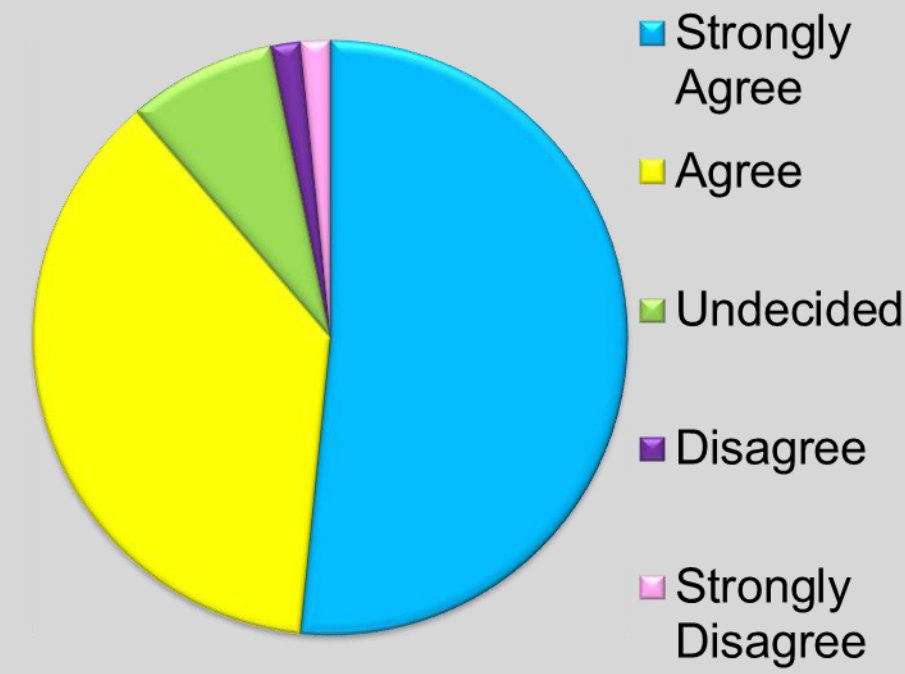
- 1 senior facilitator
- 1-2 junior student participants
- 1-2 sophomore student participants

Preliminary Results: Seniors

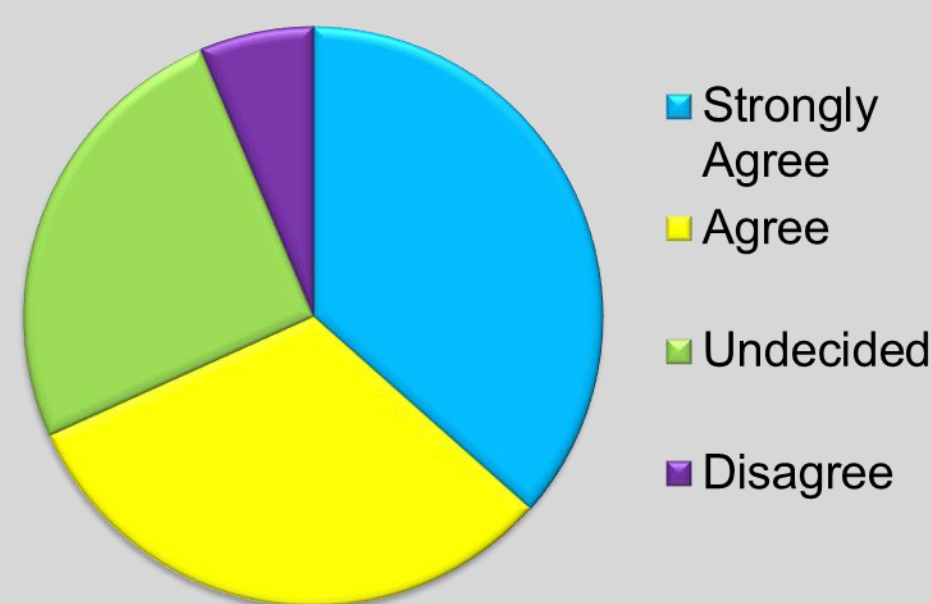
The simulation was a good experience.



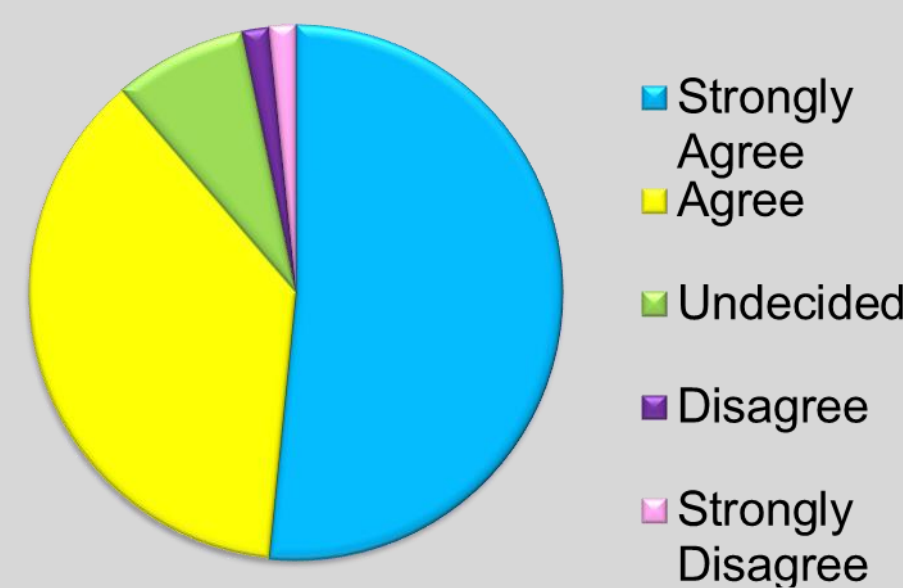
The simulation increased my interest in precepting in the future.



The simulation increased my interest in becoming nurse faculty in the future.

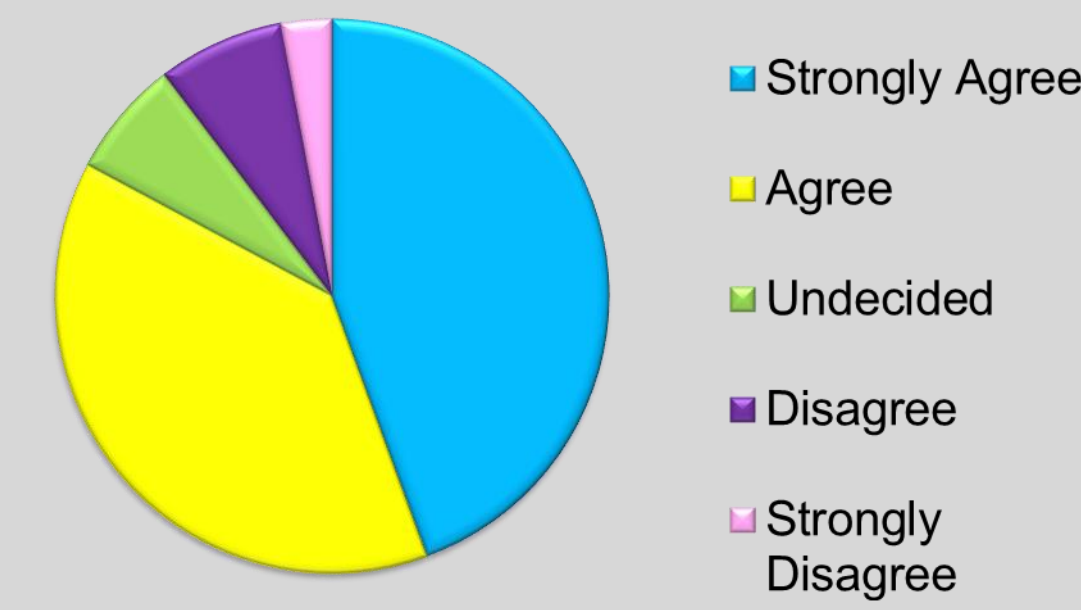


The simulation increased my confidence as a nurse leader.

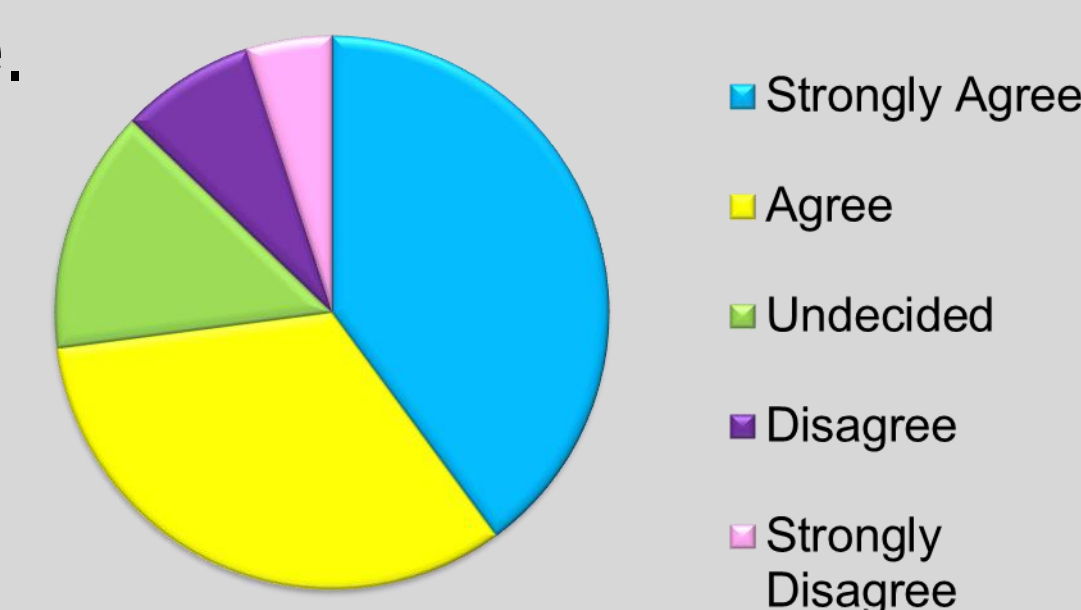


Preliminary Results: Sophomores and Juniors

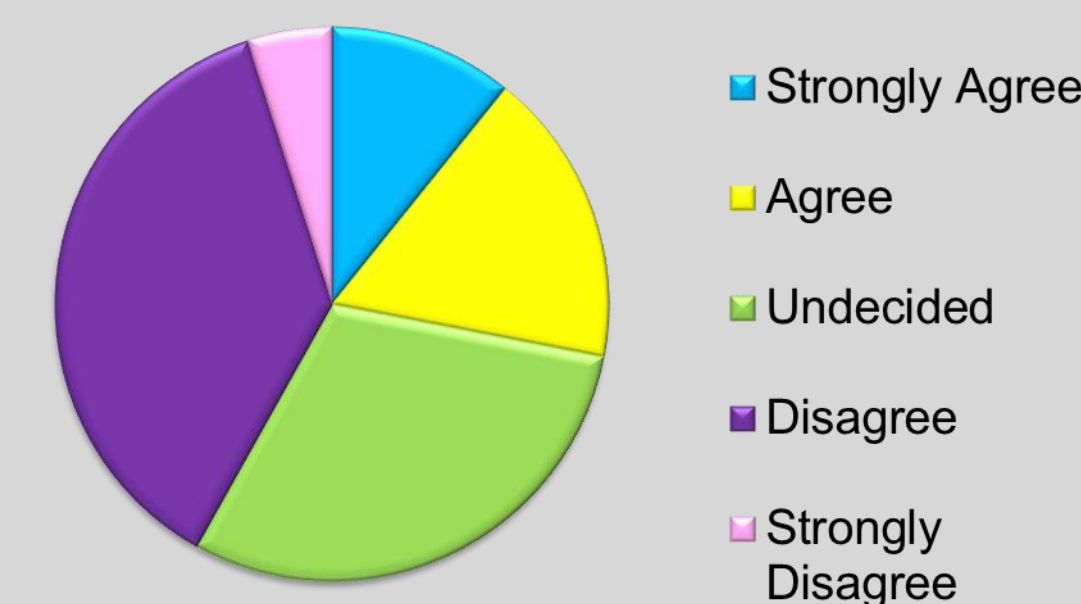
This simulation was a good experience.



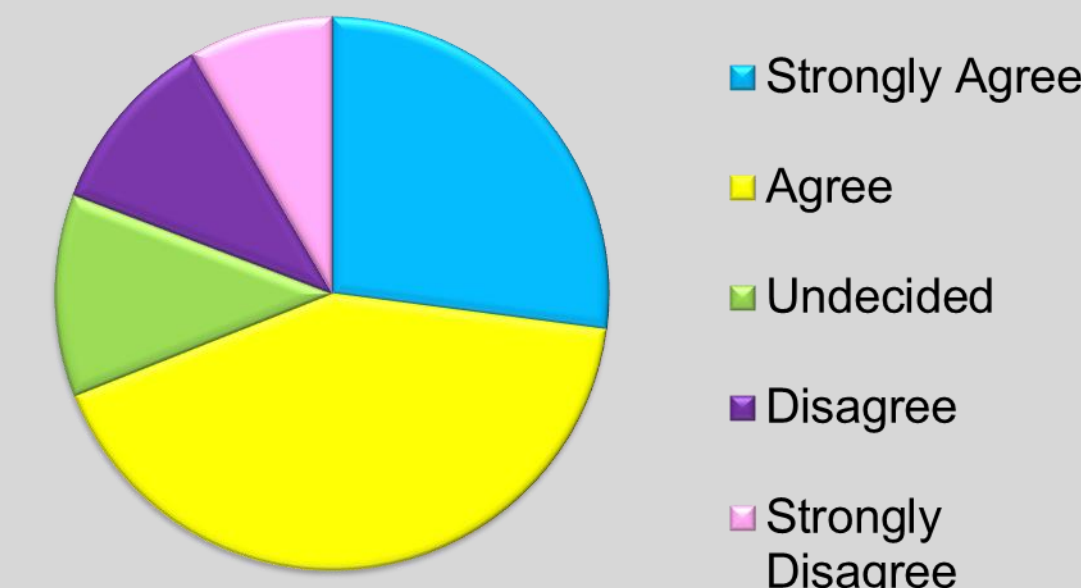
The simulation increased my interest in facilitating a simulation in the future.



This simulation would have been better with a faculty facilitator.



The simulation increased my confidence in my nursing skills.



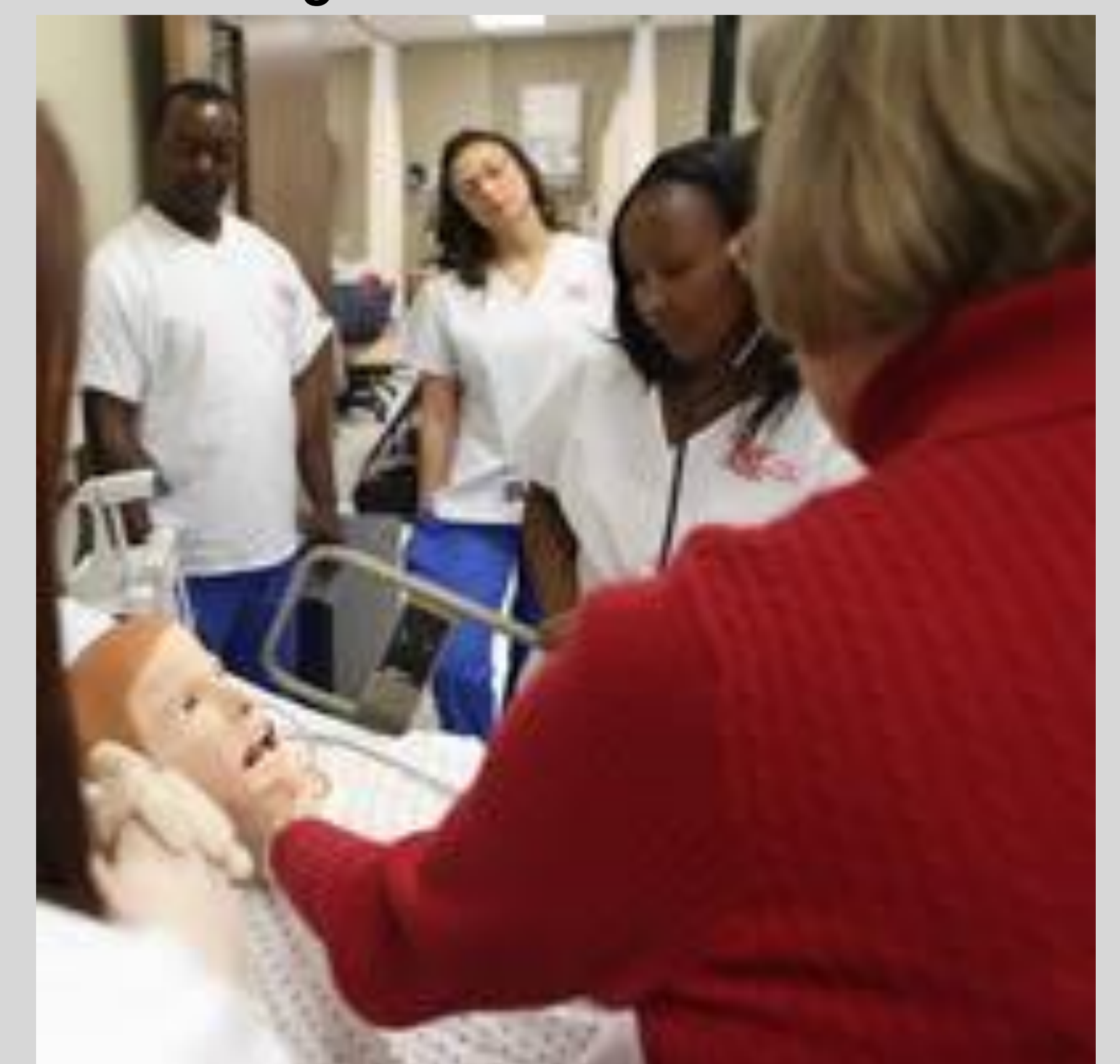
References

- American Association of Critical-care Nurses (2016). *AACN Standards for establishing and sustaining healthy work environments: A journey to excellence* (2nd ed.). Aliso Viejo, CA: AACN.
- Awasthi, S. & Yadav, K. K. (2015). Assessment of the acceptance and effectiveness of peer-assisted learning in pediatrics. *International Journal of Applied and Basic Medical Research*, 5(S1), S3-S6. doi.org/10.4103/2229-516X.162253
- Figuroa, M. I., Sepanski, R. Goldberg, S. P. & Shah, S. (2013). Improving teamwork, confidence, and collaboration among members of a pediatric cardiovascular intensive care unit multidisciplinary team using simulation-based team training. *Pediatric Cardiology*, 34, 612–619. doi: 10.1007/s00246-012-0506-2
- IOM (Institute of Medicine) (2011). *The Future of Nursing: Leading Change, Advancing Health*. Washington, DC: The National Academies Press.
- Lapkin, S., Levett-Jones, T., Bellchambers, H. and Fernandez, R. (2010). Effectiveness of patient simulation manikins in teaching clinical reasoning skills to undergraduate nursing students: A systematic review. *Clinical Simulation in Nursing*, 6, e207-e222.

Post-Simulation Focus Group Feedback

Senior Student Facilitators:

- -As a student, you don't often have opportunities to lead and supervise other colleagues.
- It's a little eye-opener on what it really takes to help lead somebody and not do it for them.
- It gave me a little more confidence...made me feel like I could be a leader.
- It was fun to... empower and equip them, and educate them and, like, encourage them.



Junior and Sophomore Participants:

- Made me feel more confident and able to delegate.
- Taught me that I need to speak up.
- I have to ...figure out how to communicate with my other team members, how to delegate, what to delegate, so it definitely pushed us to step in that leadership role..