High-Fidelity Simulation of Critical Illness: UNIVERSITY of | School **An Evidence-Based Practice Summary**

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BACKGROUND

- As students finish school, there is concern about the lack of experience when caring for a critically ill patient.
- Local hospitals are hiring new nurses into the critical care units and emergency rooms which highlights this concern.
- Caring for the critically ill can be one of the most challenging duties in healthcare (Boling & Hardin-Pierce, 2016).

PURPOSE

Summarize the best evidence concerning the use of high-fidelity simulation of critical illness with nursing students.

METHODS

- Databases
 - CINAHL
 - · Google Scholar
- Cochran Library
- · PubMed

- Search terms
 - · High-fidelity
 - Simulation
 - Student
 - · Critical care
 - Critical illness

FINDINGS

- · High-fidelity simulation has been found to be a positive learning environment for the advancement of many nursing skills.
- · Critical thinking skills and clinical judgement are both increased but may be limited in relation to the number of simulation scenarios in which the students participate.
- For students to get the most out of the simulation component in a nursing program it does not seem that repeating the same scenario each semester would necessarily be most beneficial but rather a series of scenarios with advancing complexity.



IMPLICATIONS FOR PRACTICE

- · Positive learning environment for the advancement of many nursing skills.
- · Critical thinking skills and clinical judgement are both increased but may be limited in relation to the number of simulation scenarios in which the students participate.
- · Realism is key to making an impact

SUMMARY

Based on the limited evidence, there is a need to further explore the use of a single critical illness scenario versus multiple scenarios throughout a nursing program.

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