

### The Problem

Simulation learning is a teaching methodology that is used in 90% of nursing school programs. While current research deems it effective in improving confidence and skills, there is limited research specifically focusing on simulation learning regarding the pediatric field. Pediatric nursing requires a different approach when it comes to caring for children and their needs. This gap in research raises the question: "How effective is simulation learning in nursing school regarding pediatric care?"

### Literature Review Discussion

The pre-existing literature highlights how beneficial simulation learning is for enhancing clinical confidence, patient interactions, and communication skills in nursing students. There was a significant gap in the research regarding pediatric care. Simulation learning was also shown to be linked to increased self-confidence and reduced anxiety. Again, most of these studies focused on the general nursing population rather than pediatrics specifically. Relevant research articles were located by using search engines such as Google Scholar, PubMed, and Purdue University. Key terms such as "Nursing", "Simulation", "Pediatric", and more were used to locate these sources.

### Conclusion

Simulation Learning is a very meaningful asset when it comes to preparing nursing students for real-world scenarios by using hands-on practice in a controlled environment. Even though it cannot fully replace a clinical experience, it is an important bridge between in-class and patient care. In pediatric nursing where change is the normal and you are put in a very unpredictable environment, these communication skills, confidence, and practice are deemed a necessity.

### Future Plans

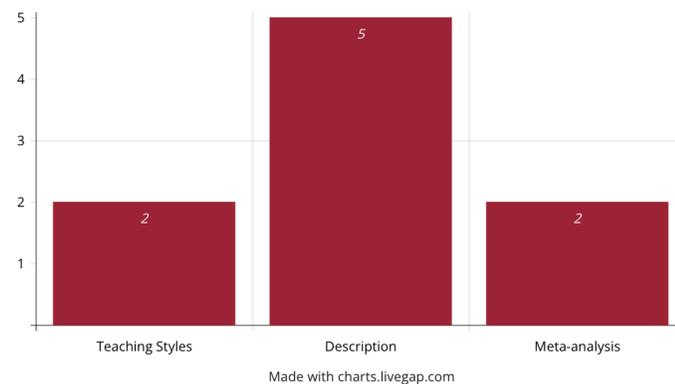
My future plan for this project is to create an app/app prototype that resembles child care. It will help pediatricians be able to practice on an unpredictable child so that they can be more skilled in the field. I also plan to conduct more interviews with larger sample sizes and through multiple nursing programs to better evaluate the impact. Continued exploration of this topic is necessary in nursing education and to help better refine nursing students for real-world scenarios.

### An Example of Simulation Learning



FSU's College of Nursing Simulation Lab.

Literature Review



### Results

Findings from an interview with a pediatric nurse who trained using simulation-based learning revealed that the training improved confidence, developed critical thinking, improved communication, and prepared for high-pressure situations. However, the lack of simulation for children was seen as an issue that needs improvement. Pediatric patients are highly unpredictable, so it is difficult to use the adult simulations accurately when practicing conversation and helping the patient. Overall, simulation was seen as a valuable tool that help prepare for the real-world situations but has many areas for improvement.

### References

