

Development of Simulated Inpatient Pharmacy Activities to Prepare Pharmacy Students for Advanced Pharmacy Practice Experience (APPEs)

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Background

- The use of simulations allows the school to assess and prepare students for upcoming Advanced Pharmacy Practice Experiences (APPEs), as well as for pharmacy practice after APPEs.
- These simulations are designed around various inpatient and outpatient activities and are designed to provide realistic experiences for students.

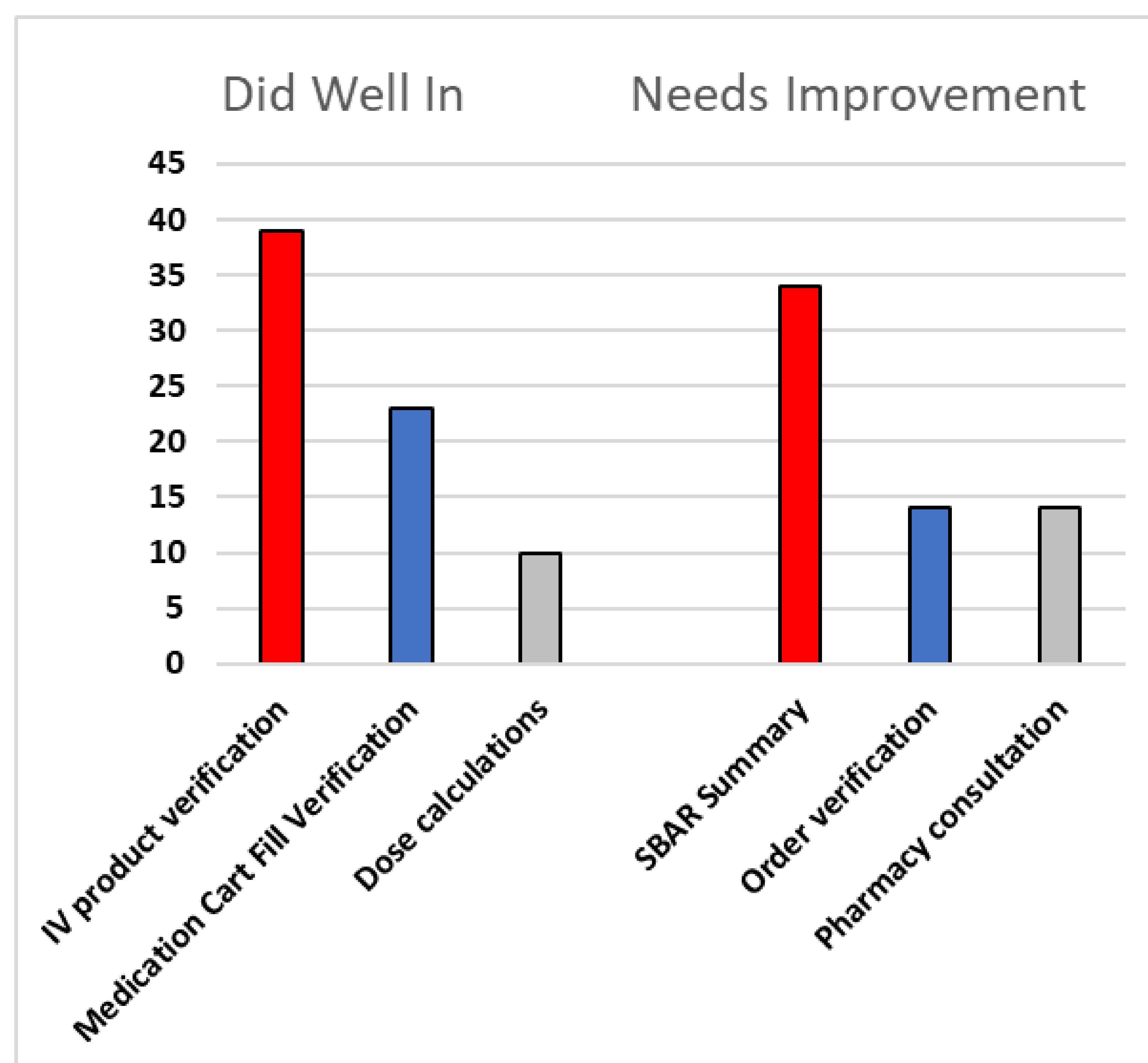
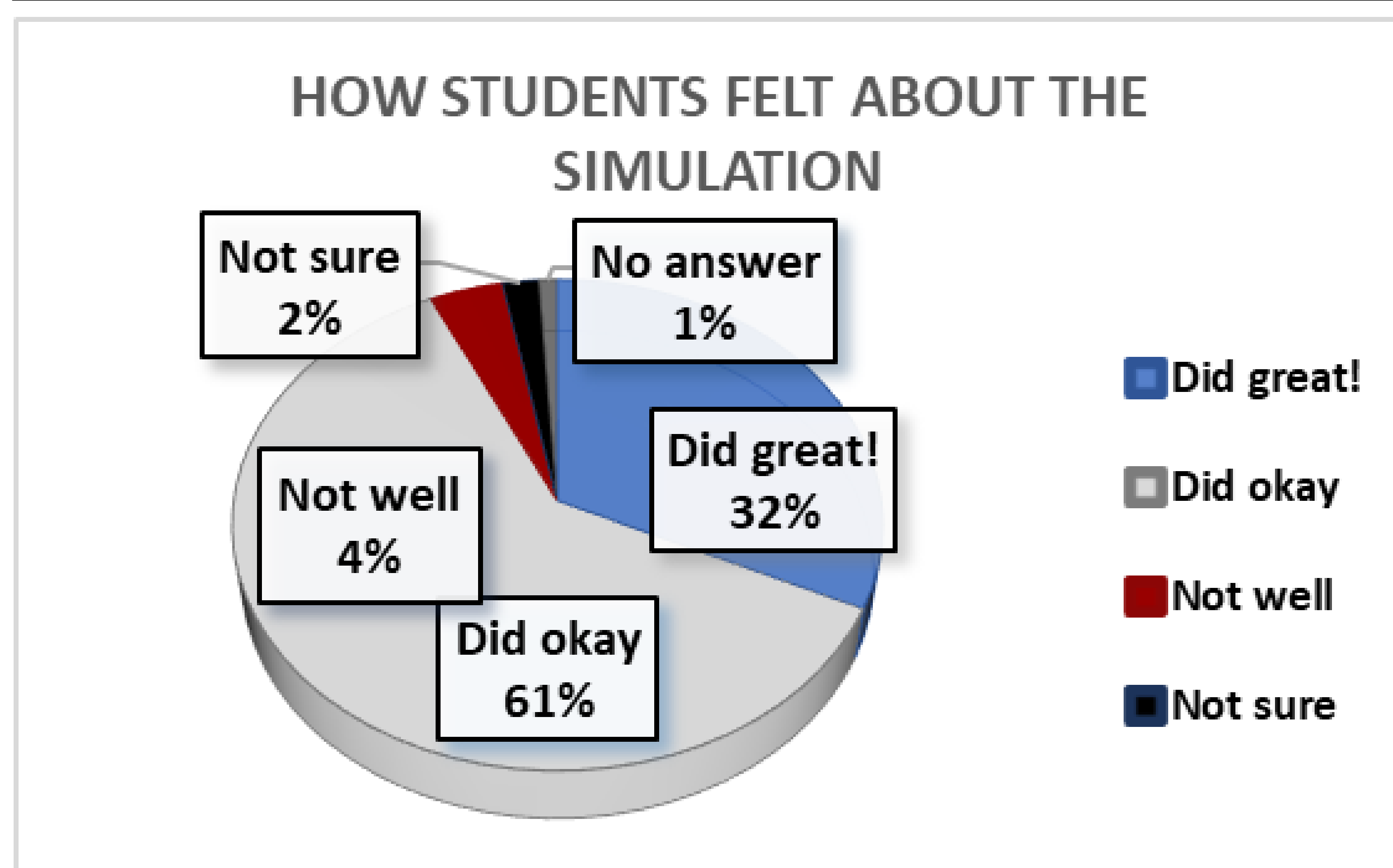
Objective

- To take the feedback from the initial simulation activity and use it to develop an enhanced inpatient simulation to improve student outcomes.

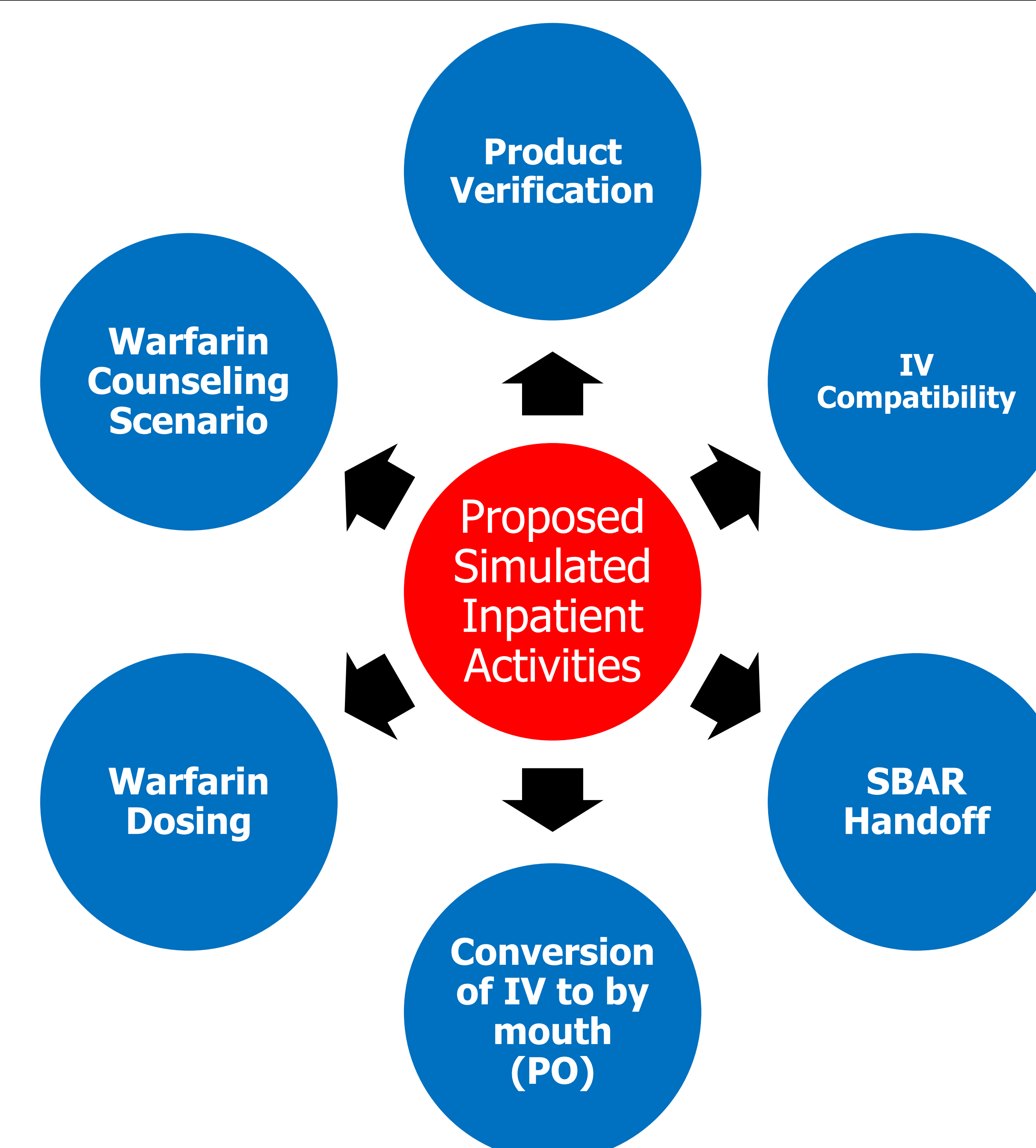
Methods

- In fall 2020, third-year students had their first inpatient pharmacy simulation. Due to the 2020 coronavirus pandemic, this simulation was performed virtually on Zoom.
- The activities of the fall 2020 simulation:
 - Questions from nurses and technicians
 - Medication Cart Fill Verification
 - Order Verification
 - A Situation-Background-Assessment-Recommendation (SBAR) summary
 - Dose calculations
 - IV compatibility questions
 - Pharmacist Consult Scenario
- Students also completed a survey to assess their perceptions of the experience.
- This survey asked how well the students felt overall they did in the simulation, what activity the students felt they did the best in, what activity the students felt they needed improvement in, and any recommendations for changes in the simulation.
- Based on the data received from the initial inpatient simulation in fall 2020, a new simulation activity has been designed to enhance the experience for future simulations.

Student Perceptions of Performance



Proposed Simulation Activities



Future Directions

- This new simulation will be trialed in the fall of 2021. This new simulation activity will be implemented during the fall 2021 and continued for the spring 2022 intersession. A simulation of this type would be appropriate for third-year pharmacy students as an assessment of their current skills.
- Assessment of students will be completed two ways. Students will be graded on their counseling abilities via an objective based rubric, while the rest of the simulation will be answered on a worksheet.
- Students will be surveyed to assess outcomes to improve and develop any new activities for future inpatient simulations.