

## Problem

### Low confidence levels of Rehab staff to perform in emergency and code blue situations.

Following a resuscitative event, nursing and therapy staff reported anxiety related to a lack of experience in code situations. A literature search supported the benefit of simulation in the student population but a gap in the literature was noted regarding use of simulation among clinical staff.

## Purpose

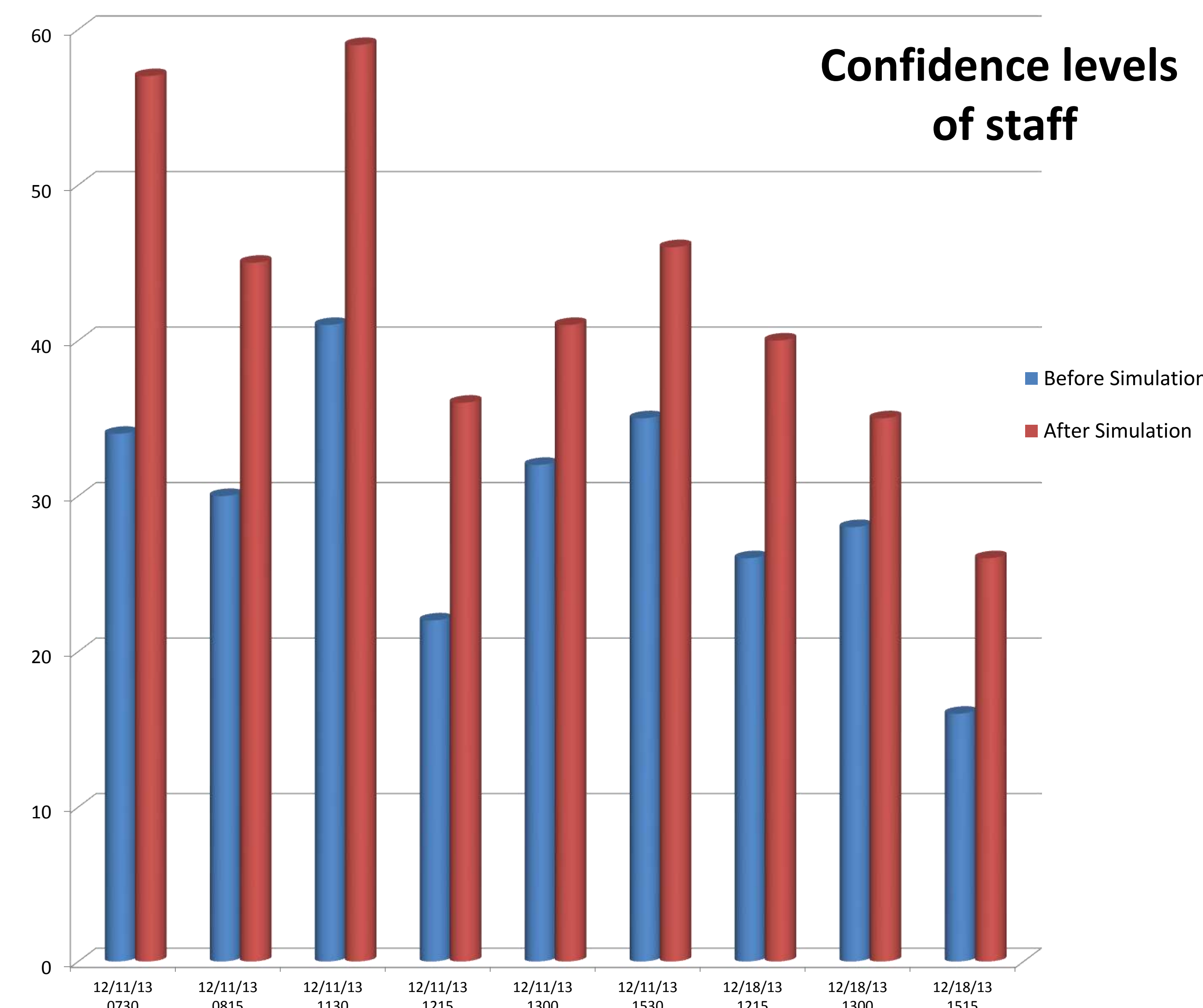
The purpose of this study was to explore and describe the confidence level of an interdisciplinary rehabilitation team before and after the first five minutes of a simulated code utilizing a high-fidelity simulation mannequin.

## Method

- A pre and post test, created by the team, was administered to the staff prior to & following a high-fidelity emergency simulation
- Following IRB approval, a convenience sample was used (n=51), as follows: Nursing(n=19), Physical Therapy(n=16), Occupational Therapy(n=13), Speech Therapy(n=2), and Therapeutic Recreation(n=1)
- A minimum of 2 disciplines participated in each scenario in order to maintain the interdisciplinary approach
- All participants were required to sign an agreement not to disclose simulation details in order to minimize risk of bias by future participants
- Nine simulations were conducted using the scenario of the first 5 minutes of a code
- Scenarios were performed in empty patient rooms & the therapy gym
- All teams were required to initiate CPR on the mannequin
- The pre and post test consisted of 4 questions regarding level of confidence (Likert Scale 1-10), role, discipline, & years of experience



## Results



- Confidence level to perform during a code blue situation increased an average of 46.5% (with a range of 25% to 68%) from pre- to post- simulation
- The group with no RN team member had the least amount of confidence gain

## Qualitative Results

Each group completed a debriefing session after the simulation and completed a questionnaire where comments, quotes and lessons reported by staff were gathered. Comments included:

- From a therapist: “Nice to do with RN, not just therapy staff”
- “Good discussion afterwards”
- “Practice with patient in a variety of settings; W/C, shower room, commode, tub, car, hall, dining room”
- “We need this more often”
- “Felt like I wanted to do more”
- “I feel a lot better”
- “I was nervous about getting started but once I started, I was better”
- From a therapist: “Once the nurse shows up (in a code blue), I know everything will be OK”.

## Nursing Implications

A simulated code utilizing a high-fidelity mannequin may be an effective technique to increase confidence among clinical staff during a code blue situation. In all scenarios in which a RN was present, the nurse emerged as the informal leader. Groups with no RN team member present had the least amount of confidence gain

## Conclusions

- Increased confidence was reported by all groups with clinical experience ranging from <6 months to > 23 years
- An intervention which used a simulated emergency situation may be effective in increasing confidence as measured by a pre and post-survey.