

# **Introduction & Purpose**

- High-fidelity simulation is commonly used in nursing education to practice interventions without risk of patient harm. To maintain fidelity for the complex medical-surgical patient and focused populations in a large classroom setting, standardized patients (SP) may be better suited.
- This project aimed to evaluate the impact of standardized patients in the classroom on students' knowledge, satisfaction, and self-confidence.



WHERE NURSING TRAILBLAZERS BELONG.

#### Student Satisfaction and Self-Confidence in Learning

Student Satisfaction and self-Confidence in Learning Instructions: This questionnaire is a series of statements about your personal attitudes about the instruction you receive during your simulation activity. Each item represents a statement about your attitude as bout the instruction you receive and self-confidence in obtaining the instruction you need. There are no right or wrong answers. You will probably agree with some of the statements and disagree with others. Please indicate your own personal fieldings about each statement below by marking the numbers that best describe your attitude or beliefs. Please be truthful and describe your attitude as it really is, not what you would like for it to be. This is anonymous with the results being compiled as a group, not individually.

## **Methods**

- Mark: 1 = STRONGLY DISAGREE with the statement 2 = DISAGREE with the statement 3 = UNDECIDED you neither agree or disagree with the statement 4 = AGREE with the statement
  - 5 = STRONGLY AGREE with the statement

A high-fidelity simulation using	
a trained standardized	
patient, who identified as	
transgender, was conducted	
in a large classroom.	
Outcome measures for this	
study include a 6-question	
knowledge test and the	
Student Satisfaction and Self-	
Confidence in Learning	
Questionnaire.	

Satisfaction with Current Learning		D	UN	Α	SA
1. The teaching methods used in this simulation were helpful and effective.	01	O 2	03	04	05
<ol> <li>The simulation provided me with a variety of learning materials and activities to promote my learning the medical surgical curriculum.</li> </ol>	01	O 2	03	04	05
3. I enjoyed how my instructor taught the simulation.	01	O 2	O 3	04	05
<ol> <li>The teaching materials used in this simulation were motivating and helped me to learn.</li> </ol>	01	O 2	03	04	05
5. The way my instructor(s) taught the simulation was suitable to the way I learn.	01	O 2	03	04	05
Self-confidence in Learning		D	UN	Α	SA
<ol><li>I am confident that I am mastering the content of the simulation activity that my instructors presented to me.</li></ol>	01	O 2	03	04	05
7. I am confident that this simulation covered critical content necessary for the mastery of medical surgical curriculum.	01	O 2	03	04	05
<ol> <li>I am confident that I am developing the skills and obtaining the required knowledge from this simulation to perform necessary tasks in a clinical setting</li> </ol>	01	O 2	03	04	05
9. My instructors used helpful resources to teach the simulation.	01	O 2	03	04	05
<ol> <li>It is my responsibility as the student to learn what I need to know from this simulation activity.</li> </ol>	01	O 2	03	04	05
11.1 know how to get help when I do not understand the concepts covered in the simulation.	01	O 2	03	04	05
12.1 know how to use simulation activities to learn critical aspects of these skills.	01	O 2	03	04	05
13. It is the instructor's responsibility to tell me what I need to learn of the simulation activity content during class time	01	O 2	03	04	05

3

## **Simulation**

## **Objectives**

### **Observers will:**

- 1. Advocate for the appropriate communication with a client in a manner that illustrates caring, reflects cultural awareness, and addresses psychosocial needs.
- 2. Evaluate the competency of the nurse's preoperative assessment.
- 3. Appraise the competency of the nurse's teaching interventions.

## SOUTH FLORIDA **College of Nursing**

#### ANALYTICAL CHECKLIST

Case Name:

- YES/NO Gathering Information 1. Elicits or states client reason for visit (i.e. surgery pre-op) 2. Elicits or verifies allergies 3. Elicits history of problems with surgery Option/Management Strategies (including patient education) 4. Verifies consent form 5. Reviews current medications 6. Tells client to stop Estrogen 2 weeks before surgery 7. Reviews current Vital Signs 8. Reviews Lab & Diagnostic test results
- 9. Tells client to use Chlorhexidine 4% in the shower at home all over the night before the surgery 10. Tells client to not eat or drink anything after midnight the night before 11. Teaches client postoperative leg exercises (p.167) 12. Teaches client Incentive Spirometry (p.167) 13. Elicits teach-back for all education

# **Participants**

• The demographic characteristics of study participants are shown in Table X. The majority of the participants are female (80%) and are aged 18-24 years (56.7%). Half of the participants were White (50%), followed by Hispanic or Latino (23.3%), and participants who reported being mixed-race (13.3%).

Variable	n (%)
Sex	
Female	24 (80)
Male	6 (20)
Age (years)	
18-24	17 (56.7)
25-34	11 (36.7)
45-54	2 (6.7)
Race/Ethnicity	
Asian	2 (6.7)
Black or African American	1 (3.3)
Hispanic or Latino	7 (23.3)
Mixed Race	4 (13.3)
White	15 (50)
Other/Prefer not to answer	1 (3.3)

WHERE NURSING TRAILBLAZERS BELONG.

# College of Nursing

5

#### **Results** The posttest revealed significant improvement in student knowledge after the intervention compared to the pretest. The results from the pre-test (M = 2.5, SD = .68) and post-test (M = 3.7, SD = 1.14) knowledge test S.E. Mean Std t test Dev mean indicate that the standardized p-value t value df patient activity resulted in an Knowledge improvement in knowledge, t(58) = -5.076, p = .000). The average mean score for the pre-test was Pre-test 2.50 .12 -5.076 58 .000 .68 3.73 1.14 .208 Post-test 1.2 points lower than the mean score for post-test.

		action with Current Learning (items = 5)		0.95
Participants	1.	The teaching methods used in this simulation were helpful and effective.	4.24 (.91)	
	1.	The simulation provided me with a variety of learning materials and activities to promote my learning the medical surgical curriculum.	4.10 (1.11)	
	1.	I enjoyed how my instructor taught the simulation.	4.38 (.90)	
<ul> <li>Of the 30 student participants, 25 (83.3%) reported "agree" or "strongly agree" when asked about their satisfaction with</li> </ul>	1.	The teaching materials used in this simulation were motivating and helped me to learn.	4.24 (.99)	
"strongly agree" when asked	Self-c	onfidence in Learning (items = 8)		0.93
about their satisfaction with teaching methods, diversity of	1.	It is my responsibility as the student to learn what I need to know from this simulation activity.	4.10 (1.01)	
learning materials facilitation	1.	I know how to get help when I do not understand the concepts covered in the simulation.	4.31 (.96)	
motivation, and overall suitability of simulation. 26	1.	I know how to use simulation activities to learn critical aspects of these skills.	4.03 (1.01)	
motivation, and overall suitability of simulation. 26 (86.7%) reported "agree" or "strongly agree" when asked about their self-confidence in	1.	It is the instructor's responsibility to tell me what I need to learn of the simulation activity content during class time.	4.14 (.99)	
about their self-confidence in content mastery, content	1.	I am confident that I am mastering the content of the simulation activity that my instructors presented to me.	4.03 (1.18)	
content mastery, content necessity, skills development, available resources, and knowledge of how to obtain help to solve clinical problems	1.	I am confident that this simulation covered critical content necessary for the mastery of medical surgical curriculum.	4.24 (1.02)	
help to solve clinical problems in simulation.	1.	I am confident that I am developing the skills and obtaining the required knowledge from this simulation to perform necessary tasks in a clinical setting.	4.24 (.95)	
	1.	My instructors used helpful resources to teach the simulation.	4.31 (1.03)	
		WHERI	E NURSING TK	AILBLAZERS BELON
College of Nursing				





