

Simulated Chaos, Real Learning: Preparing Today's Healthcare Students for Tomorrow's Emergencies

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INTRODUCTION

- Today's healthcare environment is fast-paced and ever-changing.
- Responding effectively to mass casualty incidents is critically important.
- Current educational paradigms for healthcare students have significant gaps, especially in interprofessional training in acute, high-stress scenarios.
- Rigorous and realistic simulations aim to equip future healthcare professionals with the necessary skills and confidence.
- The goal was to manage complex emergencies collaboratively.



PURPOSE

- The simulation-based experience (SBE) aimed to mimic the chaotic and dynamic nature of real-world mass casualty incidents.
- Fostered the development of essential collaborative skills.
- Created realistic practice environments.
- Enhanced students' ability to respond effectively to large-scale emergencies.
- Promoted teamwork and improved patient outcomes.
- A comprehensive training approach seeks to build a more resilient healthcare workforce.
- Prepares healthcare professionals to address the complexities of acute care environments with confidence and competence.

SIMULATION LEARNER OBJECTIVES

- Determine proper triage and prioritization of critical clients
- Demonstrate therapeutic and effective communication and teamwork
- Utilize resources and staff efficiently

PARTICIPANTS

- Involvement of Auburn University students and facilitators from the College of Nursing, the College of Pharmacy, and Edward Via College of Osteopathic Medicine (Auburn Campus)
- Interdisciplinary groups for client care and prioritization
- Group Rotations-groups of 7-9 students
- All groups saw the same four patients
- Groups are in different pods



SCENARIO OVERVIEW

- Mass casualty incident from an active shooter event
- Concert venue setting
- Multiple victims with varying injuries
- Challenges in triage, clinical management, communication, and coordination



CLIENTS

- 35-year-old with a gunshot wound to the chest
- 28-year-old victim trampled during chaos
- 28-year-old at 37 weeks of gestation in active labor
- A child with a closed fracture of the forearm
- Multiple low-acuity "distractor" clients

DEBRIEF

- Large group debrief with 64 students each round
- Students completed the post-sim survey via QR code (SET-M)
- Led by faculty from each discipline



VISITING PROFESSORS FROM TAIWAN

Visiting Professors from Taiwan were invited to participate. Roles were specially designed for them. One was at the concert and lost her friend. The other played the role of the translator. Students commented on how impactful it was to know how/when to call for a translator.

Scan the QR code for the live action feed!

