MULTIDISCIPLINARY & DISASTER SIMULATION

A Collaborative Approach to Learning
OBJECTIVES

• Impact the understanding of each role in the simulation.
• Discuss the roles and responsibilities of each discipline.
• Impact the respect each discipline has on the other disciplines.
• Apply the knowledge from the classroom to the scenarios.
• Evaluate the students perception of the exercise.
HISTORY OF SIMULATION
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POLICE

FIRE

HEALTHCARE PROFESSIONS
The faculty developed scenarios with experts in the field. To achieve the goal: Multiple disciplines with individuals from different cultures, religions, and backgrounds coming together to enact scenarios to gain insight into how and what to do in case of an emergency or disaster.
THE COLLABORATIVE IDEA

- The Citizen Advisory Board
  - More Hands on Training/Instruction Needed

The Role Playing Exercises incorporated
- Staff was used as role players
- Students wrote police reports based on scenarios
- Law Enforcement from community acted as advisors
HOW DID WORK OUT?

• Scientific Evaluation
  Students: Had fun….not much learning.
  Faculty: Loved it….got a chance to have fun and role play.
  Law Enforcement from the Community: Loved it
CHANGES TO PLAN

• Students will act as role players
• Students required to take field notes, write police reports
• Law Enforcement from Community served as advisors and provided scenarios for us to use.
MORE CHANGES

• Reflected on days at Richmond International Airport when the police and fire personnel served as both. Everyone worked as a team.

  Problems come into place when the police/fire/EMS personnel do not work together as one.

  http://www.respondersafety.com/News/Police_Vs_Fire_or_Fire_Vs_Police.aspx

  https://www.youtube.com/watch?v=SOVCbadSgQg

  https://www.youtube.com/watch?v=bXf3afkn41Q&feature=youtu.be

• Brainstorm: Reached out to the Nursing and Fire Science Department for a collaborative effort.

• With Tina Parker’s departments’ help, scenarios were video taped.
WHAT DID WE DO?

- Chose scenarios that highlighted each department:
  - Medical Emergencies
  - Fire (Smoke)
  - Law Enforcement (Domestic Violence)

Student had to decide who had control of the scene. They had to have a leader. They had to decide what equipment was needed or if additional personnel was needed on the scene. They had to figure out how to radio the dispatcher and when.
HOW DID THINGS WORK OUT?

• Great!!!

• The Nurses had a plan to evaluate the student’s learning (Dr. Woolford would be pleased!)

• We had community support from the Fire/EMS personnel and local law enforcement.

• Students had an opportunity to role play, given badges, lab coats, medical bags, pens and note books.
TAKE A LOOK

• S:\Public\AUDIO VISUAL\Jillian Noes_

The Domestic Abuse Scenario: What should we do?
Evaluation Data
DISASTER SIMULATION GIVES NURSING STUDENTS EXCELLENT LEARNING OPPORTUNITY

Student Learning Outcomes & Program Outcomes

- Glimpse of reality
- Inter-professional practice opportunity
- Practice Skills
- Preparation for state license exam (NCLEX)
GOAL OF DISASTER SIMULATION

• The goal of the simulation is to teach nursing students the basics of mass casualty triage

• Students Learn to apply their assessment skills and understand the importance of communication during an emergency.

• It is important that all nurses in all specialties be prepared to care for people affected by disasters since they could happen anywhere at any time.

• This experience allows students to have a feel for what it is like to receive multiple casualties and to be involved in multiple casualty incidents.

• The simulation provides real life experiences allowing students to participate in high risk medical care without the risk of harm to a patient,
GCC NURSING STUDENTS & POLICE STUDENTS
DISASTER SIMULATION
DISASTER SCENARIO #1

- A tornado/thunderstorm hits Lake of the Woods & Locust Grove Campus at 4pm on a Friday afternoon
- Some students are in the Library
- One in Tutoring
- A few in the lounge
- Some Parking Lot
- 4-5 Nursing Students and 3-4 Police students
PATIENTS & STUDENT NURSES
POLICE STUDENTS

• Six patients have been taken to the Nursing Lab
• Only supplies are what currently exist in the Nursing Skills Lab

Nursing Students get a call from Local EMS
Nursing Students have a triage kit, flash lights and a walkie Talkie

Police students assist with logistics and security
LESSONS LEARNED
FUTURE SIMULATION

• Develop additional scenarios
• Encourage college wide participation as volunteers
• Further Collaboration with the Community
  • EMS
  • Medical Reserve Corp
  • Other student groups
QUESTIONS & SUGGESTIONS