Creating a Disaster Area
Best Outcomes Using IPE and Simulation
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Katrina, Rita, and the Large Animal Hospital
Oh My!
College of Nursing Gets to Work

• A SIM is developed called Disaster Day
• Nursing students and Medical students work through a disaster response scenario and then debrief
• The concept grows
Student Outcomes: Why It’s Important

• Students enter the SIM with an opinion of IPE and Simulation

• Students must interact and overcome their opinions to be successful in the simulated environment

• The vast majority of students reported some level of improvement in their opinion of other professions and simulation

• 4 colleges have students trained in disaster response and preparedness
The Disaster Area
From Labor to Story Time
Disaster Day 2015

2015 Disaster Day
Led by College of Nursing Students

- An Interdisciplinary Emergency Preparedness Simulation
- Largest Student-Led Disaster Preparedness Event in the Nation
- Annual Event Established in 2008
What it Takes

- Work Hours: 4,000+
- Participants: 800+
- Student Leaders: 84
- Cost: $16,000
Leadership Structure 2015

- Leadership Structure

3 Senior Nursing Student Incident Commanders
2 Junior Nursing Student Incident Commanders
5 Nursing Student Committee Chairs

- Committees

Case Studies
Volunteers
Supplies
Moulage
Fundraising
Participants

**Participants**

- 175 Nursing
- 40 Medicine
- 24 Pharmacy
- 36 Physical Therapy
- 28 Emergency Medical Services
- 24 Radiology Technician
- 64 Associate Nursing
- 450+ Volunteers
- 10 Veterinarians
- 16 Medical Residents
- 4 Registered Nurses

**Organizations**

- Emergency Medical Services
- Salvation Army
- Regional Advisory Council
- Red Cross
- Fire Department

**Scenarios**

- Hurricane
- Chemical
- Wildfire
- Tornado
- Explosion

**Partners**

- Texas A&M HSC
- Blinn College
- Community
Simulation Details

• Main Scenario and Patient Cases
• Standardized Patients / Volunteers
• Moulage
• Training
• Supplies
• Facility / Location
Getting Started

1. Get HELP (Administrative)
2. Obtain Buy-In
3. Recruit Student Leaders
4. Formulate an Idea (Scenario)
5. Secure a Location
6. Order supplies
7. Train volunteers
8. JUST DO IT
Ways to Ensure Administration Support

- Review and incorporate the IPEC competencies into your simulation day
- Formulate learning objectives specific to your simulation based on patient types
- Align objectives with courses being taught that semester
- Raise funds to carry out the project outside of the overall budget
Recruit Students

• Announce the project and positions needed
• Open an application period
• Hold interviews
• Select Leaders
• Get to work
Formulate an Idea

- Regionally plausible
- Large scale disaster
- Affecting all ages and populations
  - Think of course objectives
- Develop patient cases and scenarios
  - Women in labor
  - Asthma
  - Burns
  - Traumas
  - Mental health episodes
Secure a Location

• Large enough to accommodate the following
  – Check in
  – Prep
  – Pre-brief
  – Execution of the simulation
    • Main area, triage, holding
  – Debrief
  – Eating
Supplies / Volunteers

- Supplies must be ordered early
- Training should be early and often
  - Know what you want from volunteers early
  - Assign cases and teach specific to the case
- Train the moulage crew how to apply and remove safely and quickly
At some point you have to just do it

- Volunteers arrive, get into character, get in place
- Announce the scenarios and start the SIM
- Watch and learn
  - To guide debrief
  - To make note of how to improve next time
Your Turn

• Please get in GROUPS (Regional, School, etc.)
  • Develop a DISASTER scenario
  • Develop an IPE STRATEGY to address the disaster
  • Develop a LEADERSHIP STRUCTURE to plan the IPE
  • Dream about LOCATION AND IMPLEMENTATION
Thank you for your time and attention!!

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