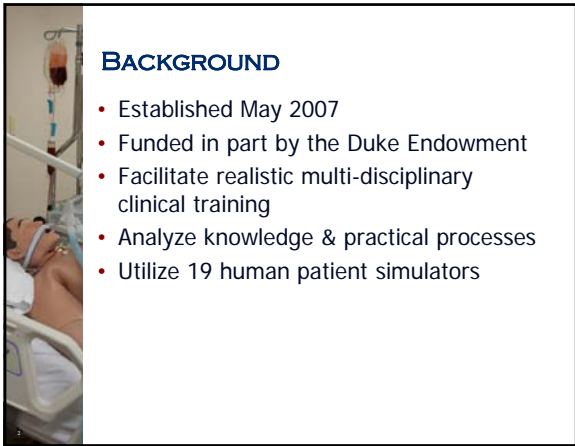




RIPPED FROM THE HEADLINES:
Using Simulation in Adult Acute Care to Enhance Patient Safety

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 Fran A Powell, RN, BSN, MHA

WakeMed
 Center for Innovative Learning
 Raleigh, North Carolina



BACKGROUND

- Established May 2007
- Funded in part by the Duke Endowment
- Facilitate realistic multi-disciplinary clinical training
- Analyze knowledge & practical processes
- Utilize 19 human patient simulators



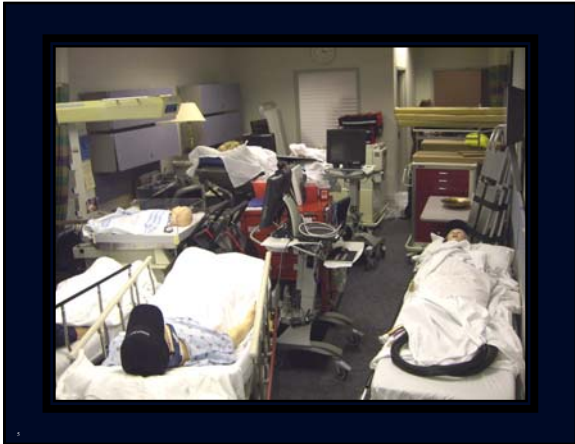
CENTER FOR INNOVATIVE LEARNING

WakeMed
 WakeMed Health & Hospitals
 Raleigh, North Carolina



ABOUT WAKEMED

- 870 bed private, not for profit health care system
- Level 1 Trauma Center
- Southern Atlantic Healthcare Alliance

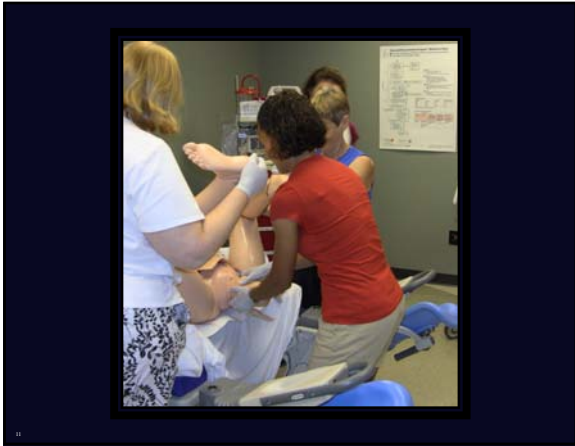




ICU / TRAUMA ROOM



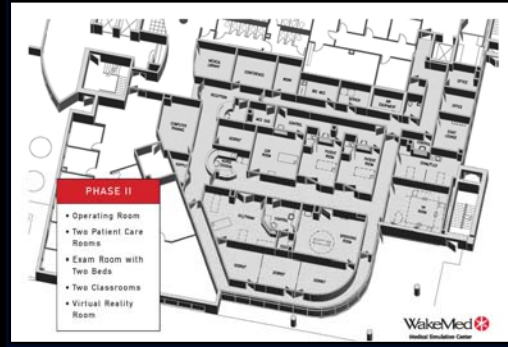
LDR / FLEX ROOM



CONTROL ROOM




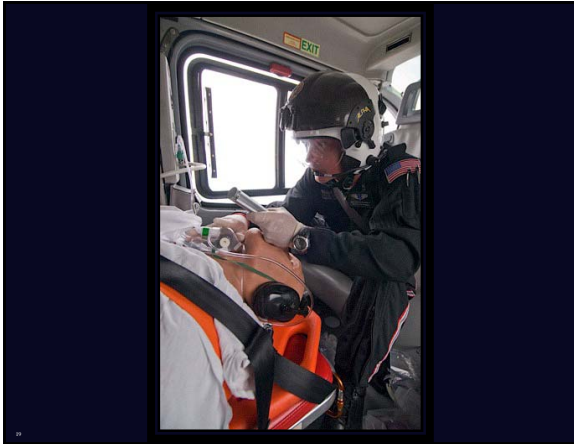
COMPUTER ROOM



PROGRAM IMPACT


- 3,358 Participants (FY10)
- 10,250 Student hours (FY10)
- 9,782 participants & 41,686 student hours
- 51 departments system wide
- 1st to test physiologic simulator on an aircraft
- 1st to provide evacuation data from simulation






TYPICAL USE OF THE CENTER FOR INNOVATIVE LEARNING

- Still relatively new concept
- Unit specific
- High-risk / low-volume situations



NEW ROLE / NEW VISION

- More global view led to creating divisional experiences (MICU, NICU, STICU, Ortho, Pulmonary Medicine, Renal, Oncology, general surgery, Neuro)



NEW ROLE / NEW VISION

- NSQI
- Pt safety resources
- Trauma PI
- RCA
- Quest for excellence




ORGANIZATIONAL INITIATIVES

- Shared Governance
- Magnet
- Baldrige




OPPORTUNITIES

- Share with staff RNs actual & near miss incidents (increased trust / professionalism)
- 'Replay' event for assessment of learning needs
- Change a variable and assess outcomes
- Assess implementation of learning



EXAMPLES OF INTERDISCIPLINARY PI RESULTING FROM SIMULATION

- Phenergan
- Carpuject Adapters
- Adherence to policies (TO / VO)
- Use of Impedence Threshold Device (Res-Q-Pod)
- Appropriate rates for rescue ventilations
- Chest tube assessment
- 100% NRB setup



WE ALL LEARN...ALL THE TIME!

- Assessment
- SBAR


*“A happy customer tells a friend;
an unhappy customer tells the world.”*



LESSONS LEARNED


What our participants have taught us...

- Keeping our customers satisfied
- Understanding confidentiality
- Wording on the Evaluations



EVALUATIONS

- Anonymous evaluation
- 90 day follow up
- Facilitator evaluation



3 Month Post Survey
Adult Acute Care Simulation Session

Hello,
You are receiving this survey because you attended a simulation class, "Adult Acute Care Scenario". We would like to know if attending a simulation session has impacted your clinical practice more than a typical classroom style lecture. Your feedback is very important to us. Please take a moment to complete the following survey.

	Strongly Agree	Agree	Disagree	Strongly Disagree	Not Applicable
1. Using simulation provided a more optimal environment for practicing clinical skills than a classroom setting.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Simulation allowed me to practice skills in a safe environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. I have retained more information/training in the simulation environment than I typically do in classroom lecture.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. I would like to use a patient simulator in the next educational offering/training.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. I am better prepared to manage my patient's respiratory issues since attending the Adult Acute Care simulation session.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. I am more prepared to manage my patient's cardiac issues since attending the Adult Acute Care simulation session.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. I can now demonstrate more effective communication with the healthcare team since attending the Adult Acute Care simulation session.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. I believe incorporating simulation into our classes will benefit clinical staff at WakeMed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Please list one thing you learned while attending the Adult Acute Care simulation session.					
10. Please share one thing that you shared with a co-worker as a result of the SIM class.					
11. Please share how using simulation has changed your clinical practice.					

*“Without reflection one will
continue to repeat their
mistakes”*

Kolb. 1984

*Please share how using simulation has
changed your clinical practice.*

Less frighten of critical situations.

*“I felt that as the ICU nurse in the
scenario I had to do everything for all
of the floor nurses because they were
not familiar with anything involved in a
pt with declining status. They did not
even give the name of the patient when
calling the “physician.”*


*Please list one thing you learned while
attending the Adult Acute Care
simulation session.*

*Use of SBAR when informing MD or
others about critical information.*

*Please share one thing that you shared
with a co-worker as a result of the SIM
class.*

*“We signed a sheet stating that we would
not discuss the simulation outside of
our simulation group.”*

Questions?



RESOURCES

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