



TEXAS TECH UNIVERSITY
HEALTH SCIENCES CENTER™
School of Nursing

Blueprint for IP Simulation: A Day in the Life of Healthcare Professionals Working in an Emergency Room

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ANCC

- Continuing Nursing Education



- INACSL is an accredited ANCC provider.



ANCC Required Disclosures

- Conflict of interest
 - Kathryn Whitcomb, DNP, RN, CHSE, reports no conflict of interest.
 - Ruth Bargainer, MSN, RN, CNE, reports no conflict of interest.
 - April Beckling, BSN, RN, CMSRN, reports no conflict of interest.
 - Robyn Faz, MSN, RN
 - Young Lee, PharmD, BCPS, reports no conflict of interest.
 - Terran Keidl, BSN, RN, reports no conflict of interest
 - Bill Davis, CHSOS, reports no conflict of interest
 - Donna Paris, MSN, RN, CCRN-K, reports no conflict of interest
 - Julia Greenawalt (INACSL Conference Administrator & Nurse Planner) reports no conflict of interest
 - Leann Horsley (INACSL Lead Nurse Planner) reports no conflict of interest
- Successful completion
 - Attend 90% of session



Objectives

- Define the purpose of the simulation activity
- Identify resources in the participant's community/educational venue and adapt the design template to the participant's setting
- Construct and evidence-based scenario for simulation and justify the use of mannequin simulators, standardized patients, or volunteers
- Summarize evaluation strategies that provide valid and reliable data for analyzing the simulation experience



Overview of Trauma Day

- Purpose
- Participants
- Planning
- Scenarios
- Implementation
- Debrief
- Evaluation



Purpose

Defining the purpose





Planning the Simulation

- Who will be involved?
- What is the desired outcome?
- What is your budget?



Identifying resources in your area

- Universities
- Health professions schools
- Area hospitals
- Community affiliates



Scenario Development

- Diagnoses
 - Complexity
- Writing the scenarios
 - Evidence-based practice
 - IP collaboration
- Evaluation of scenarios
 - Content expert(s)



Sample Schedule

Time	EMT	Triage (4 Rooms)	Green Zone (4 rooms)	Yellow Zone (7 Rooms)	Red Zone (3 Rooms)
0800	Broken Neck COPD/CHF w/CPAP	Asthma DVT Heat Exhaustion Snake bite			
0815		Laceration Migraine <u>Preg/Preeclamp.</u>	Asthma (Rm 1)	Broken Neck (Rm 1) Heat Exhaustion (Rm 2) Snake Bite (Rm 3) DVT (Rm 4)	COPD/CHF w/CPAP (Rm 1)
0830	Megacode (MI)	Strep Throat Open arm <u>Fx</u>	Laceration (Rm 2) Migraine (Rm 3)	<u>Preg/Preeclamp</u> (Rm OB)	
0845	Ischemic Stroke Safe Place Baby	Cellulitis/Homeless	Strep Throat (Rm 4)	Open arm <u>Fx</u> (Rm 5)	Megacode (MI) (Rm 2)
0900			<u>Cellulitis/Homeless (Rm 1)</u>	<u>Safe Place Baby (Rm Nursery)</u>	Ischemic Stroke (Rm 3)
0915		Hemorrhagic Stroke			
0930	SVT/Suicidal Ideation	UTI Bee Sting/SOB		Hemorrhagic Stroke (Rm3)	
0945	DKA Infant Dehydration	Otitis Media/Child Abuse SANE Case	UTI (Rm 2) Bee sting/SOB (Rm 3)		<u>SVT/Suicidal Ideation (Rm 1)</u>
1000	Toddler Overdose	Laboring mom	<u>Otitis Media/Abuse (Rm 4)</u> <u>SANE Case (Rm 1)</u>	DKA (Rm 1) Infant Dehydration (Rm Nursery)	
1015				Toddler Overdose (Rm2) Laboring mom (Room OB)	
11-1200	Debrief in Classroom SON-2000				





Behind the Scenes

- Fidelity
 - -SPs
 - -Manikins (high-, mid-, low-fidelity)
- Moulage
- Operations and technical design (A/V systems)





The Patient

- Manikins
 - High-, mid-, low-fidelity
 - Task trainers
 - Wireless, battery-operated
 - Compressors
- SPs
 - Appropriate to situation
 - Alternate role to patient
 - Hybrid
 - Training time



Moulage







Technical Operations

- Are manikins being moved around the building? Do they have a rechargeable battery or wireless capability?
- Do you need a confederate to connect manikin cables or turn on a compressor when the patient “arrives” in the ER?
- Faculty answering phone calls from students needing a doctor, pharmacist, etc.



Audio-visual

- Recording patient rooms
- Overhead paging system into rooms and public areas
- Control room for manikin operator
- Camcorder to record in public and remote areas
- Camera for still pictures



Debriefing





Simulation Evaluation Strategies

- Instruments
 - Consider using pre- and post-surveys
 - Simulation effectiveness tool (SET or SET-M)
- Qualitative statements
- Lessons learned



Questions?



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