

Using Simulation for Systems Testing: Interactive Case Studies- New Construction

<p>Project Identification- <i>Testing new construction</i></p> <p>“Emergency Response to nonclinical area, ground & 1st Floor”</p>	Who are your key stakeholders?	<ul style="list-style-type: none"> • Director of Nursing, ED Nurse Manager, Guest Services Supervisor, Public Safety • Construction Liaison • Clinical Education • Office of Patient Experience • Multidisciplinary responders (MD Provider Lead, House Supervision, Respiratory Manager, Anesthesia Manager)
	What are your goals and objectives/outcomes?	<ul style="list-style-type: none"> • Initiate the code blue response for victim located in 1st Floor non clinical area of new facility • Realistic appraisal of response times, familiarity with new pathways & new communication system • Practice initial cardiac arrest care in safe environment
	Logistics	<ul style="list-style-type: none"> • Timing. Close enough to “Go Live” for construction safety, far enough for process changes. • How many physicians, nurses, techs, etc. need the training? 78 • How many sessions do you want to offer? 1 • How long do you want the sessions to last and how to serve whole team? split group. Name tags. Half got sim. Half got case study. ALL debriefed together.
	Resources	<ul style="list-style-type: none"> • Who are your patient flow, content, construction & experts? • Will supplies be at the facility yet? (AED, stretchers, crash carts...) • Do you have the manikins/trainers needed? • Where are you going to have the sessions? Where to debrief? • Food for simulation team? no café, no water fountains, etc...
	Funding	<ul style="list-style-type: none"> • Who is going to pay for this? • Grants, department funding, facilitator time donation?
Planning	Safety	<ul style="list-style-type: none"> • Meds safety • Med reconciliation • Real equipment • Team safety (Physical & psychological) • Communication/ Construction
	Curriculum Development	<ul style="list-style-type: none"> • Objectives/Outcomes-measurable • How many scenarios? – simulation & case study • Scenario Template • Developed interprofessionally!! (yay) Chose 12 based on Risk Management, Clinical Education and credentialing feedback. • Started months before with “tabletop” simulations of the scenario with leaders • Evaluation/measure-start thinking now –AHA/ACLS guidelines for first shock/ first meds

	Scheduling	<ul style="list-style-type: none"> Dates/Times Team member allocation Good times for the departments “Mint Hill Monday’s” ALL the Content experts-each discipline Participant sign-ups (recommend so census/ staffing will not alter event)
	Checklists	<ul style="list-style-type: none"> Packing checklist-Don’t want to forget any gear as several different scenarios each day!
	Resource selections	<ul style="list-style-type: none"> Who will be your facilitators? If IPE do you have someone from all professions- (Physicians, Nurses, RT, Chaplain, Pharmacist) Which manikin/task trainers will you bring? Which staff members will you send?
Test Run	Set-up	<ul style="list-style-type: none"> Do you have everything you need? extension cords, extra batteries
	Timing	<ul style="list-style-type: none"> Does the scenario run well in the time you have allotted & meet objectives?
	Scouting the space	<ul style="list-style-type: none"> Where are the plug ins? Are you in an actual room or classroom? Plan Indress & Egress. How will you get the manikin into the learning space? Think about wi-fi and router issues.
	Scenario running as planned	<ul style="list-style-type: none"> Does the scenario run as planned?
Implementation	Just do it	<ul style="list-style-type: none"> Back-up solutions Extra supplies Mental preparation-stay positive, STAY FLEXIBLE
Evaluations/Feedback	Participant	<ul style="list-style-type: none"> Survey Monkey-Satisfaction Pre/Post-test for knowledge gain
	Facilitators	<ul style="list-style-type: none"> Provided feedback during tabletop/ test runs Formal feedback-satisfaction with sim team & project
	Project debrief	<ul style="list-style-type: none"> Simulation team observations. Report back to key stakeholders/administrations (formal template developed with follow up tasks assigned to each stakeholder)
	Measureable outcomes	<ul style="list-style-type: none"> Guest Svcs now required to have CPR training, Security Operations Center adjusted nomenclature system wide (Policy change before center opened) Equipment discrepancies discovered before first patient! (IV pump libraries, PIN provided by communications company incorrect, number of MH carts) Successful opening TJC visit!
Lessons Learned/Barriers	Overall class discussion-Whole group together	<ul style="list-style-type: none"> Small spaces No equipment (print images, take back-ups) People often do not know what they want/need Transition to electronic surveys