Using Simulation for Systems Testing: New Process		
Project Identification-*Process Change/Latent Safety Issues-Pediatric Trauma* Level I Pediatric Traumas moved from Adult ED to Pediatric ED.	Who are your key stakeholders?	• Trauma Services & ED Administration • ACS Accreditation • Physician Leadership • Nursing Leadership • Simulation Center Director • Blood Bank • Registration • Ancillary Services
	What are your goals and objectives/outcomes?	• Assess for readiness of Pediatric ED to accept Pediatric Traumas • Assess ability of Trauma team to respond to multiple locations (stress the system) • Increase PED team confidence in caring for pediatric traumas. • Ensure all necessary equipment and protocols are in place.
	Logistics	• When do we want to run Mock Traumas? Variety of times • How many physicians, nurses, techs, etc. need the training? 100+ • How many sessions do you want to offer? 2 sessions per day covering day and night teams • How long do you want the sessions to last? 15-minute scenario/15-minute debrief
	Resources	• Who are your content experts? Trauma Surgeon, ED Attending, Trauma Nurses • Who is providing supplies? Using PED supplies • Do you have the manikins/trainers needed? Variety of ages • Where are you going to have the sessions? In trauma room
	Funding	• Who is going to pay for this? Trauma Services and Department of Emergency Services • Grants, department funding, facilitator time donation?
Planning	Safety	• Meds safety • Med reconciliation • Real equipment • Visitor & Team safety • Patient
	Curriculum Development	• Objectives/Outcomes-measurable • How many scenarios? Multiple-same one repeated for day/night • Scenario Template • Evaluation/measure-start thinking now
	Scheduling	• Dates/Times • Team member allocation • Good times for the departments • Content experts-what is their schedule

		• Participant- use the teams that are working
	Checklists	• Packing checklist-Don't want to forget the pregnancy belly!
	Resource selections	• Who will be your facilitators? If IPE do you have someone from all professions- (Physicians, Nurses, RT, Flight Team) • Which manikin/task trainers will you bring? • Which staff members will you send?
Test Run	Set-up	• Do you have everything you need? -extension cords, extra batteries
	Timing	• Does the scenario run well in the time you have allotted?
	Scouting the space	• Where are the plug ins? • Where can you enter the space? How will you move in equipment? • Think about wi-fi and router issues.
	Scenario running as planned	• Does the scenario run as planned? (Scenarios have been used before for teaching)
Implementation	Just do it	• Back-up solutions • Extra supplies • Mental preparation-stay positive, stay flexible
Evaluations/Feedback	Participant	• Paper evaluation on simulation with questions about a missing supplies, equipment, and concerns.
	Facilitators	• Facilitators & content experts filled out performance checklist during the sessions • Formal feedback-satisfaction with sim team & project
	Project debrief	• Simulation team observations. • Report back to key stakeholders/administrations – (significant delays without blood fridge, room does not have emergency equipment, staff unfamiliar with MTP.)
	Measurable outcomes	• Identification of latent safety issues • Improved teammate confidence • Improved team performance
Lessons Learned/Barriers	Overall class discussion-Whole group together	• Administration/leadership support and reinforcement is key to team participation. • Small spaces • Having done simulation with PED team prior increased by in for traumas • Requires multiple sim team members for short period of time. • People often do not know what they want/need • Increase survey participation, do it while they are there (we gave a treat once they completed)