



Overview

ISN /Office of Rural Health TSE Simulation-Based Team Training

Purpose:

The goal of this simulation-based team training (simulation event) is to provide your local EMS personnel, Critical Access Hospital physicians and staff and air transport flight crews, with the opportunity to practice critical thinking, technical, and teamwork (TeamSTEPPS) skills during the management of selected pediatric emergencies. The simulation event also provides the forum to “tap” into the collective intelligence of the group in order to find ways to improve communications, process, systems & logistics in an effort to “trim time” off of these time sensitive emergencies.

Scenario:

- The *proposed* simulation scenario is referred to as a “progressive” scenario, as it progresses in real time through the healthcare system.
- It involves a 5 yr. old child who is in an accident. (Type TBD i.e. MVC, ATV roll over)
- The 5 yr. old sustains blunt trauma injury (ruptured spleen, head) and tib/fib fracture. His care begins at the site of the accident and “progresses” throughout the morning involving all EMS & hospital units that would normally be involved in his emergency care. (ER, Blood bank, Lab, Radiology, RT, Surgical consult etc.) and concludes when the patient is ready to transport to the receiving hospital.

Debriefings:

- A debrief will take place following the scenario focusing on inter-professional management of the 5 y.o.
- During the debrief “the team”, all involved learners, will have the opportunity to discuss what went well and what could be improved regarding team performance; systems issues, resources, equipment, policies, procedures & protocols etc. in a safe and productive environment.

Didactic Education:

- There will be an orientation and didactic presentation that takes place during the simulation event which includes:
 - **Introduction to simulation training**
 - **TeamSTEPPS Basics** a “crash course” introducing key team work (CRM) and communication principles
 - **Orientation to the simulation equipment**

Measurement/ Data capture

- **During the Simulation:**
 - Video capture will be employed to obtain objective data regarding systems function, as well as, clinical, teamwork, and cognitive performance outcomes. (The video will be provided to your facility for retrospective review and performance improvement)

- Observation Checklists will be provided for attendees to note clinical, teamwork and communication performance outcomes

While some performance outcomes & learning objectives are pre-set, the ISN will work with your facility, EMS agency and Air transport company to customize objectives and outcomes in areas of your choosing i.e. locating & operating equipment; medication administration, communication (SBARR, Closed loop communication (CLC), Call outs), etc.

We do ask that each individual agency, hospital unit & air transport company involved in the simulation event identify specific measures they would like included in the learning objectives. Often these are determined by identifying those things that “keep you up at night”.

Logistics:

Understanding how overextended everyone is these days, the ISN team has created a structured but informal, logistics & planning process involving three conference calls, that will take place in the weeks prior to the event. During the planning period, your self-appointed “Simulation Event Planning Team” and the ISN team will work together to ensure an efficient, effective & economical simulation training experience.

The ISN Simulation Resource Team takes care of all Simulation details including presentation & simulation equipment; video data capture, technicians, facilitators, educational aids, and simulated blood.

It is the responsibility of your EMS agencies and Critical Access Hospital to provide meeting space for the didactic and debrief sessions, an ambulance, trauma bay; emergency equipment, disposable supplies, simulated medications and refreshments (breakfast / lunch) for the learners.

We look forward to working with you on this this worthy and exciting endeavor!

Marion Constable

Marion Constable, RN, MSN, CNM
Idaho Simulation Network Outreach Coordinator
Marion.constable@gmail.com
208-720-9354



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