An Innovative Approach to Pre-Hospital Performance Improvement & Education

Challenge

Northeast Georgia Medical Center (NGMC) is the only American College of Surgeons (ACS) verified level II trauma center in the northeast Georgia region, which covers 13 predominantly rural counties.

- During the trauma center's 2018 ACS verification visit, the surveyors identified an opportunity for improvement related to performance improvement activities in the pre-hospital environment.
- In response to the noted weakness, NGMC's Trauma Outreach and Injury Prevention Coordinator continued to review all level one trauma activations, but with more scrutiny to identify potential opportunities for improvement and educational gaps for the pre-hospital providers.
- As opportunities were identified, feedback was relayed to the pre-hospital personnel; however, due to proximity, geographic area and other factors, face to face educational opportunities, led by the trauma center, were limited.
- This opportunity led the Trauma Outreach and Injury Prevention Coordinator to collaborate with the mobile simulation lab team to develop trauma scenarios that prehospital providers could simulate.

Objectives

The overall purpose of utilizing the mobile simulation lab for trauma education was to take real-life scenarios to the pre-hospital personnel and to allow simulation opportunities to improve their knowledge, while staying in their county and eliminating the need to travel for education.

Project Desi

To gain interest from the various EMS counties, the Coordinator networked through the Regional Trauma

- Before taking the mobile education to the different conducted for each EMS county with the develop
- In addition to trauma specific education, services delivery, neonatal resuscitation, stroke or other high
- Once plans were agreed upon by the mobile simu team, logistics were finalized.
- For each county, the mobile simulation team, whi the mobile simulation lab to the service and cond cover each shift.
- During the simulation, pre-hospital personnel, in and standardized patient scenarios.
- The pre-hospital crews were debriefed after each feedback on what they did well and areas requirin







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Trauma Outreach and Injury Prevention a Advisory Committee (RTAC).	
nt services, a learning needs assessment was oment of a personalized education plan.	
s could request education on obstetric igh risk clinical scenarios.	
lation team and the EMS county leadership	Banks
thich includes subject matter experts, brought ucted education over two to three days to	• 1
teams of 2-3, rotated through the simulation	m n e
simulation scenario and were provided ng further education.	• S
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A 40 FT MOBILE UNIT DESIGN FOR THE NORTHEAST GEORGIA HEALTH SYSTEM MOBILE SIMULATION UNIT VERSION 9 2/21/19	With to th this
inulation lab	plan cont simu





00% strongly agreed or agreed that the nobile simulation met their professional needs and recommended mobile simulation ducation.

Strengths

Use of high-fidelity simulation and standardized patients, hands-on experience, instructor knowledge

Opportunities

- Extend time for each scenario
- Addition of medical scenarios
- Increase the frequency of mobile simulation education

Conclusions

h the addition of the mobile simulation bus ne toolkit of trauma education resources, change can be sustained through advanced nning collaboration, pertinent topics and tinuous evaluation to improve the mobile ulation experience.

Team Members

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