EMS and Pediatric Trauma Care:
A NC Performance Improvement Intervention and Evaluation

What is the EMS and Pediatric Trauma Care Project?
This 3-year project's objective is to improve the EMS early recognition and care of severely injured pediatric trauma patients within North Carolina's Regionalized Trauma System.

Project goals include:
- Improving the prehospital trauma care delivered by EMS providers.
- Advancing the EMS care and assuring the appropriate triage and destination decision for acutely ill and injured children within North Carolina's rural settings.
- Describing the incidence, care, and outcomes associated with pediatric trauma from a population-based perspective using the North Carolina Outcomes Data System.

What is the project’s plan?
- Pediatric patients are defined as all patients under the age of sixteen receiving EMS care within North Carolina.
- Trauma is defined as any patient with an injury or the use of any trauma-related EMS treatment protocol. Deaths not receiving EMS care are included.
- Data from one-year pre-intervention will be used to describe the baseline care and disparity.
- A web-based education intervention specific to 911 and EMS professionals will focus on the recognition of serious trauma, triage, and destination decision-making.
- An ongoing EMS PI tool will provide feedback and guidance based on the EMS care provided.
- Data from one-year post-intervention will be used to evaluate change in disparity and effectiveness.
- The key to success is the EMS Outcomes Database linking EMS ED, Trauma Registry, Hospital Discharge, Motor Vehicle Crash, and Medical Examiners data sources.

What is the timeline for the EMS and Pediatric Trauma Care Project?
The project began September 1, 2010 and is scheduled to end August 31, 2013.

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Additional Information available at www.EMSPIC.org