



SEMINOLE COUNTY FIRE DEPARTMENT

Pediatric Quality Improvement Plan



Purpose: The Seminole County Fire Department (SCFD) is committed to maintaining the highest standards of prehospital emergency medical care through a structured and continuous Quality Improvement (QI) process. This plan defines the foundation of that process, ensuring a systematic approach to evaluating and enhancing clinical performance. The QI initiative of this plan aims on the advancement of pediatric care, including the effective management of pediatric cardiac and respiratory emergencies, as well as the provision of specialized support for children with unique medical or developmental needs within our community.

Goals and Objectives:

- Enhance Clinical Competence
 - Maintain and improve the proficiency of all personnel in pediatric assessment, treatment, and advanced life support procedures.
- Training and Education
 - Provide a minimum of at least one pediatric-focused continuing education sessions annually for all EMS personnel.
 - Conduct hands-on simulation training for high-risk, low-frequency pediatric emergencies.
- Promote Evidence-Based Practices
 - Integrate the latest pediatric emergency care guidelines and research into SCFD protocols and training programs.
- Clinical Review and Data Analysis
 - Conduct quarterly reviews of pediatric cardiac arrest, respiratory distress, and trauma cases.
 - Track key performance indicators (e.g., airway management success rates, medication accuracy, return of spontaneous circulation in pediatric cardiac arrests).
- Enhance Pediatric Response Preparedness
 - Maximize the effectiveness and readiness of pediatric equipment, medications, and supplies to support timely, high-quality emergency medical care for children in the prehospital setting.

QA/EMS Meetings

Meetings will be held once a month in the presence of our Medical Director, Battalion Chief of EMS, EMS Program Coordinator and QA/QI Coordinator

Procedure Outcomes

1. Track pediatric patient outcomes can be utilized by field personnel in the patient care report to learn the outcome of the patient, post transfer of care at the hospital
2. If certain fields are checked in the PCR, this information is alerted to QA/QI for immediate review
3. Maintain a collaborative partnership with local hospitals and sustain ongoing communication with the Medical Director to support excellence in patient care.

Documentation Accuracy

1. The peer review program will consist of every paramedic – and eventually EMT's – in the system reviewing the reports of other paramedics.
2. Approved EMS abbreviations and symbols are listed in Operations Bulletin #07011
3. During medical director meetings, reports are reviewed and discussed for learning purposes and improvements
4. PCR reports are reviewed by QA/QI to ensure accuracy

Training

1. AHA Pediatric Advanced Life Support (PALS) certification/re-certification requirements
2. NREMT Pre-Hospital Trauma Life Support (PHTLS) certification/re-certification requirements
3. Vector Solutions
4. Mobile SIM Lab