

Illinois EMS for Children Quality Improvement and Indicator Monitoring Report

Title of Project: **Pediatric Pain Management**
Date of Report: March 23, 2007
EMSC Region: Region 10
Facility: All Participating Facilities in the Regional CQI Effort

1. Opportunity / Issue / Problem Identification (PLAN)

- Opportunity: Pediatric pain management in the ED
- Problem: Less than adequate use of interventions (77%), particularly non-pharmacological (57%)
- Goals: Improved use of interventions

2. Most Likely Causes

- Lack of staff awareness of expectations; poor documentation
- Lack of existing guidelines and protocols
- Lack of pediatric pain management knowledge
- Regulatory agency constraints

3. Solution(s) Implemented (DO)

- Educational presentations
- Support of leadership teams
- Collaboration amongst CQI liaisons
- Set clear expectations; regularly follow up with staff re: meeting expectations
- Provide consistent reminders

4. Data Elements Collected for Evaluation

- Initial assessment documented
- Intervention documented
- Reassessment documented
- Discharge instructions documented
- 30 charts reviewed per quarter of pediatric patients with musculoskeletal injury

5. Results and Data Analysis (STUDY)

- Interventions: 17% improvement
- Non-Pharmacological: 24% improvement

6. Conclusions and Recommendations (ACT)

- Conclusion: The emergency Departments in Illinois EMSC Region 10 have shown progress toward the goals of improving the use of interventions for children presenting with musculoskeletal injury. This improvement follows educational efforts.
- Recommendations: Continue on-going efforts to maintain positive clinical outcomes in pediatric pain management. Attempt to further identify barriers to interventions. Intermittent data analysis.

Region 10 EMSC CQI – Pain Management Indicator
Regional Totals for 2005

Note: Error bars represent 95% confidence intervals.

