

Illinois EMS for Children Quality Improvement and Indicator Monitoring Report

Title of Project: **Pediatric Pain Management**
Date of Report: April 16, 2007
EMSC Region: Region 3
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 assessment using objective scale (72%) and interventions (56%)
- Goals: Improved assessment and interventions

2. Most Likely Causes

- Lack of staff awareness of expectations
- Lack of existing guidelines, protocols
- Lack of pediatric pain management knowledge

3. Solution(s) Implemented (DO)

- Educational presentations
- Support of leadership teams
- Collaboration amongst CQI liaisons

4. Data Elements Collected for Evaluation

- Age and diagnosis
- Initial assessment documentation
- Intervention documentation
- Reassessment documentation
- Discharge Documentation
- Each hospital evaluates 30 charts per Quarter, consisting of all children age 0-15 years presenting to the ED with pain

5. Results and Data Analysis (STUDY)

- Assessment using objective scale: 17% improvement
- Interventions: 15% improvement

6. Conclusions and Recommendations (ACT)

- Conclusion: The emergency departments in Illinois EMSC Region 3 have shown progress toward the goals of improving assessment using a numeric scale and interventions for children presenting with pain. 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.

Region 3 EMSC CQI – Pain Management Indicator
Regional Totals for 2006

Note: Error bars represent 95% confidence intervals.

