

Illinois EMS for Children Quality Improvement and Indicator Monitoring Report

Title of Project: **Pediatric Pain Management**
 Date of Report: February 20, 2007
 EMSC Region: Region 6
 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 pain scale use for initial assessment (73%) and prior to discharge (45%), non-pharmacological interventions (20%), and reassessment after intervention (60%)
- Desired Outcome: 100% pain scale use for initial assessment and prior to discharge, 100% non-pharmacological interventions, 100% reassessment after intervention

2. Most Likely Causes

- Lack of pediatric pain management knowledge
- Lack of existing guidelines, protocols
- Lack of staff awareness of expectations
- Lack of appropriate assessment tools/pain scales

3. Solution(s) Implemented (DO)

- Educational presentations offered
- Support of leadership teams
- Collaboration amongst CQI liaisons
- Age – appropriate pain scales provided
- Reminder materials provided

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)

- Pain scale use for initial assessment and prior to discharge: 19% and 31% improvement respectively
- Non-pharmacological interventions: 39% improvement
- Reassessment after intervention: 22% improvement

6. Conclusions and Recommendations (ACT)

- Conclusion: The emergency departments in Illinois EMSC Region 6 have shown progress toward meeting the JCAHO standard of 100% pain scale use for assessment and prior to discharge, non-pharmacological intervention, and reassessment of 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. On going monitoring.

Region 6 EMSC CQI – Pain Management Indicator
Regional Totals for 2003-5

