

Illinois EMS for Children Quality Improvement and Indicator Monitoring Report

Title of Project: **Pediatric Pain Management**
 Date of Report: April 15, 2003
 EMSC Region: Region 9
 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 provision of
 - Assess initially using a scale (54%)
 - Analgesic offered/given (44%)
 - Supportive measures (57%)
 - Assess pain at disposition (25%)
- Desired Outcome: 100% for all indicators

2. Most Likely Causes

- Lack of knowledge
- Lack of staff awareness of expectations
- Lack of written guidelines, protocols

3. Solution(s) Implemented (DO)

(Appendix A)

- Data report reviews
- Collection tool process revision
- Continuing education
- Sharing of resources
- Physician Involvement
- ED leadership team buy-in
- Protocol development

4. Data Elements Collected for Evaluation

(Appendix B)

- Verbal/Written information provided
- Assess initially using a scale
- If no scale used, documentation of intensity
- Offer of analgesic
- If offered, was med given within 1 hour of triage
- Use of supportive measures
- Reassessment within one hour of intervention
- Pain assessment at disposition
- Decrease in pain
- Discharge instructions include pain management
- Each hospital evaluates 30 charts per quarter

5. Results and Data Analysis (STUDY)

- Assess initially using a scale: 24% improvement
- Analgesic offered/given: 12% improvement
- Supportive measures: 10% improvement
- Assess pain at disposition: 32% improvement

6. Conclusions and Recommendations (ACT)

- Conclusion: The emergency departments in Illinois EMSC Region 9 have shown progress toward meeting the JCAHO standard of 100% assessment, intervention, and reassessment of children presenting with pain. This improvement follows specific educational efforts at individual and regional levels.
- Recommendations: Continue on-going efforts to maintain and promote awareness of pediatric pain management. Attempt to further identify barriers to interventions. On-going data analysis.

**Region 9 EMSC CQI – Pain Management Indicator
Regional Totals for 2002**

Note: Error bars represent 95% confidence intervals.

