

Quick Shot Presentation

An After-Hours Child Passenger Safety Resource Guide

Lindsay Pollok, MPH, CPSTI

Dell Children's Medical Center of Central Texas

Austin, Texas

Level I Trauma Center



Identifying Need

- ▶ Texas law: children under 8 years old must be secured in an appropriate child safety seat system, using it according to manufacturer's instructions, unless they are 4' 9".
- ▶ No child passenger safety resources and education available on nights and weekends for children in motor vehicle crashes.
 - ▶ Hospital Mission Statement
- ▶ New initiative: create a way for after-hours patients to receive child passenger safety resources after a motor vehicle crash
- ▶ Target population: children under 8, who present to ED after a motor vehicle crash, whose length of stay never overlaps with Injury Prevention or Safety Store hours

Intervention Design

- ▶ Engagement: Injury Prevention team partnered with ED leadership, nursing staff, and clinical assistants to set up new way to meet patient needs
- ▶ Type of intervention: Filling a gap in hospital services for a vulnerable population of children
- ▶ Contents of the guide
 - ▶ NHTSA Criteria for replacing a car seat
 - ▶ How to choose the correct seat
 - ▶ How to order seat from Supply Department
 - ▶ Documentation
 - ▶ Resources for family

Program Implementation

- ▶ Resource guide was placed in the Emergency Department with step-by-step guidance on providing a car seat to a patient in a motor vehicle crash after hours
- ▶ Communication with staff – email and staff meetings
- ▶ No budget
- ▶ Feedback from ED staff
- ▶ Stakeholders
 - ▶ ED Staff
 - ▶ ED Patients
 - ▶ Supply department
 - ▶ Injury Prevention
 - ▶ Hospital leadership

Program Evaluation

- ▶ Process – Placement of guide in ED, revision of information in guide
- ▶ Data collected
 - ▶ Cohort 1
 - ▶ Number of children who met criteria to be screened for a car seat with the resource guide: 113
 - ▶ 18% received a car seat using the guide
 - ▶ Cohort 2
 - ▶ Number of children who received a car seat using the guide: 20
 - ▶ 8 out of 20 who received a seat did not meet eligibility criteria
 - ▶ 90% (18/20) of children received the correct seat the guide suggested
 - ▶ Descriptive statistics of each group
- ▶ Guide was being used for non-MVC children and children during business hours

Program Outcomes

- ▶ Process
 - ▶ Staff awareness of resource guide and how to use it
 - ▶ Communication with leaders in multiple departments
- ▶ Findings
 - ▶ Utilization is low, but accuracy is high
 - ▶ Resource guide was used during IP/Safety Store hours
 - ▶ Some children who received seats were not in an MVC
- ▶ Limitations
 - ▶ Turnover in ED, Time to appropriately document process in the guide
 - ▶ Unknown: # screened with the guide and denied needing a seat
 - ▶ Unknown: # of seats provided that were not documented in the guide
- ▶ How other programs can adapt
 - ▶ Senior leadership, Supply Department, & ED Staff buy-in
 - ▶ Leverage strengths from current hospital process