DEVELOPMENT & IMPLEMENTATION OF A MULTI-LEVEL HOSPITAL-BASED CHILD PASSENGER SAFETY (CPS) PROGRAM AT RIVERTON HOSPITAL

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PROJECT METHODOLOGY

The Riverton Hospital CPS program is an education program that is focused on the broad dissemination of correct fit, installation, and use of age-appropriate CRS in order to decrease injury and mortality from motor vehicle crashes in the pediatric population. The CPS program was created with a multi-phased development strategy in order for a timely and successful roll-out.

Riverton CPS Program Phased Methodology

Phase I
- Community checkpoint once a month with Riverton certified child passenger technicians (CPST).

Phase II
- Increase the amount of CPSTs working at Riverton Hospital.

Phase III
- Increasing community checkpoint to twice a month. Development of a robust staff education plan on CRS basics, and discharge resources.

Phase IV
- Riverton CPSTs will begin in-patient interdisciplinary rounds on all units serving pediatric patients to provide education and hands-on training prior discharge.

Riverton CPS Program Evaluations

The program cannot thrive and grow without measuring the impact and outcomes of the education and training provided. Evaluation of the Riverton CPS program is monitored through staff evaluations as well as parent/caregiver evaluations. All evaluation materials are created in collaboration with Riverton continuous improvement (CI) team.

Staff evaluations
- Staff to complete evaluation of comfort level following education provided by CPSTs. Ongoing feedback to improve program.

Parent/caregiver evaluations
- An electronic survey is deployed to parents/caregivers that receive education and hands-on training in both in-patient and community checkpoint programs.

THEORETICAL FRAMEWORK

The Health Belief Model (HBM) is a psychology-based model with a focus on attitudes and beliefs systems of individuals. The HBM works to predict individual’s participation in health promotion activities, as well as understanding failures in adopting the behaviors(4).

The program is aimed at increasing awareness of the importance of age-appropriate CRS usage.

ABSTRACT

Motor vehicle crashes continue to be the leading cause of unintentional injury and death of children in the United States. Many of these crashes involve children unrestrained or improperly restrained in child restraint systems (CRS)(1,2).

The American Academy of Pediatrics (AAP) has made a recommendation that protection and prevention from these injuries are a priority that should be addressed by all, including hospital systems(3).

The goal of this project is to institute a fully-funded hospital-based CPS program with state certified CPS technicians at Riverton Hospital that has a community outreach component.

PICO QUESTION

In nurses and other healthcare providers at Riverton hospital, how does implementing an education program for CPS influence parent adherence to promoting correct safety of infants/children upon discharge and within the community?

LITERATURE REVIEW

To address the question of how a hospital-based education program would effect comfort level, knowledge, practice, and safety, an in-depth literature review was conducted examining:

1. Parent perception about CPS utilization.
2. Best education formats to increase knowledge and utilization (written, hands-on, video).
3. Education techniques to increase appropriate CRS usage.
   - Caregivers/families
   - Healthcare employees

REFERENCES

7. Other images of and by author.
8. Images upon right-hand card permission from Primary Children’s Hospital Care and Ivy.