

INTRODUCTION

Motor Vehicle injuries are a leading cause of death and disability among children.

•Car seat use reduces the risk for injury in a crash by 71-82% for children.¹

•70-90% of parents misusing care seats.²

METHODS

Participants: Parents of children 0-30 months

Setting: Well child visits (ECU Pediatrics Outpatient Clinic) and existing NICU discharge classes at Vidant Medical Center.

Pre-Intervention Data Collection

6 question pre-test on Child Passenger Safety that was previously used by Eastern Carolina Injury Prevention Program to assess theoretical knowledge was completed.

Intervention 1: Theoretical Education

5-10 minute verbal education on Car Seat selection, location, direction, installation, and harnessing was provided.

Intervention 2: Practical Education

With patient car seat or educational car seats, parents were instructed to harness child as they typically would and hands on education was completed

Post-Intervention Data Collection

Misuses were counted during practical education for each parent and the post test was completed. Parents were called within one month to complete a post-post survey to measure retention of knowledge.

1. Web-based Injury Statistics Query and Reporting System [online]. National Center for Injury Prevention and Control, Centers for Disease Control and Prevention (producer). [2019 Aug 19]

2. National Highway Traffic Safety Administration. Traffic safety facts, 2017 data: occupant protection. Washington, DC: US Department of Transportation, National Highway Traffic Safety Administration; 2019.

Child Passenger Safety: Parental Assessment and Education in General **Pediatrics Clinic and Neonatal Intensive Care Unit**

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Although parents scored well on a pre-test assessing knowledge of child passenger safety topics, **89.7%** of parents demonstrated 1 or more car seat misuses. This data suggests that while parents may have strong theoretical knowledge of these topics, there may be benefit from incorporating hands-on practical education.

1. Is a. No b. 0 c. On d. B :

2. W a. An b.In c.In d. No

3. W a. Wł b.W c. Wł d. WI

4. Ho a. Un b.U: c. Un d. Ur

5. W a. The b. Th c. Wi d. All

6. W a. Insist that everyone buckles up b. Be a role model and buckle up first c. Use the "stop the car" method. Explain the car will no go until every one is buckled. d. Obey the law e. All of the above

•88.8% of parents scored at least 5/6 questions correctly on the pre-test survey, indicating good theoretical knowledge before intervention

•89.7% of parents had at least 1 car seat

misuse that could make the car seat less effective.

•On average, there were 1.9 misuses per participant.

The authors would like to thank the ECU Pediatrics Clinic, the Vidant Neonatal Intensive Care Unit, and the Eastern Carolina Injury Prevention Program at Vidant Medical Center.



COMMON MISUSES

- Excess/unapproved car seat accessories
- 2. Loose harness straps
- 3. Low retainer clip

Pediatric Passenger Safety Survey is it safe to hold your child on your lap when driving short distances? No, I'm not strong enough to restrain my child if there is a crash
only if we are traveling less than 3 miles
nly if I am sitting in the back seat
3 and C are correct
Where is the safest location in the vehicle for a child?
n the back seat
n the front seat as long as he/she is buckled up
∛one of the above
When can children sit in the front seat of a car? When they learn to behave themselves
Vhen they are 13 years old
When they are tall enough to see out the window
Vhenever they want
How long should you keep your children rear facing? Intil the baby outgrows the car seat
Intil the baby can sit up straight and hold up his/her head
ntil at least 2 years old
Intil she/he n o longer sleeps when traveling
Why isn't it safe for a child or small adult to ride in front of a air bag? The air bag opens faster than the blink of an eye at a speed of 200 mph
'he force of an air bag can seriously injure or kill a child or small adult
ith or without an airbag, research shows that the backs seat is much safer for children
All of the above
What can you do to keep your family and friends safe while riding in a vehicle?

RESULTS AND CONCLUSIONS

Preliminary data shows:

ACKNOWLEDGEMENTS