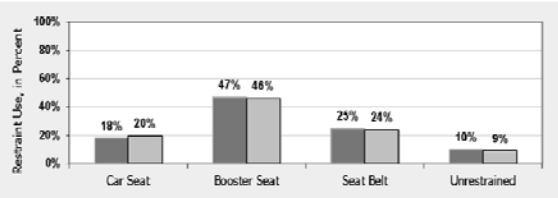


Background:

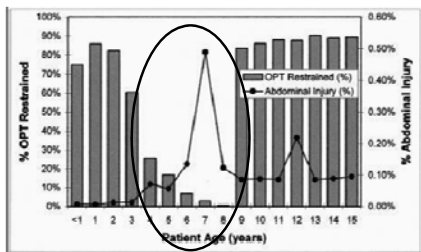
- Motor vehicle crashes are the leading cause of unintentional death and disability among children 4 years to 12 years of age in the United States.
- The occupant-related injury rate for 4 to 12 year olds was nearly TWICE that of children younger than 4 years old (317 per 100,000 children vs. 171 per 100,000 children younger than age 4).
- Booster seats have been shown to reduce the risk of serious injury by 45% in children aged 4-8 when compared with seat belt use alone.

How Are Kids Riding?

Restraint use for children 4-7
National Survey on the Use of Booster Seats 2011 vs. 2013



Optimal Restraint and Injury



Nance ML, Lutz N, Arbogast KB, Comejo RA, Kallan MJ, Winston FK, Durbin DR. Department of Surgery, Children's Hospital of Philadelphia

Case Studies

Real world consequences of improper belt fit.....

3/30/2016 RANDALL CHILDRENS HOSPITAL 11

**8 Y.O Female. Booster.
Lap belt only**





4 Y.O Male. Booster



4 Y.O Male. Booster

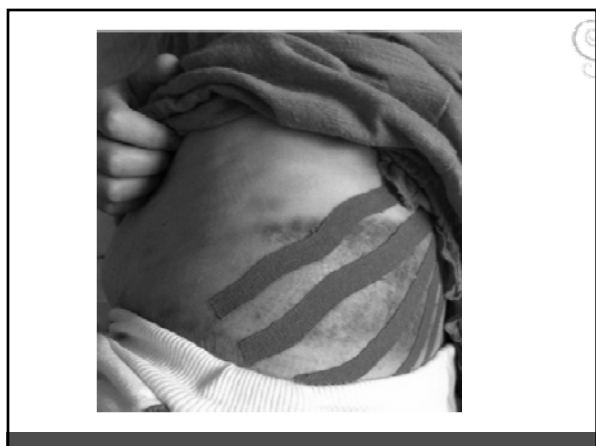


**4 Y.O Male.
Questionable Booster**









Take Home:

- Child passenger safety efforts were not aligned with injury data and revealed an area for growth in child passenger safety programs.
- Low proportions of parents use car seat inspection stations for children in the booster seat age group. Parents of booster age children were more likely to visit an event.
- Evaluation of data from seat check forms exposed low rates of safety seat checks for booster age children.
- Technicians may benefit from evaluating their own programs to identify efforts in addressing this group of children that are sub-optimally restrained.

Things to Consider.....

- Asking IF a child wears a seat belt does not get at the problem of incorrect belt fit
- Bigger and older DOES NOT equal safer. It equals LESS SAFE until the child can fit a seatbelt.
- Four to eight year old children are at TWICE the risk of injury due to improper restraint, yet these seat checks make up only 10% of our effort.....



THANK YOU!!

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