

Slide 1



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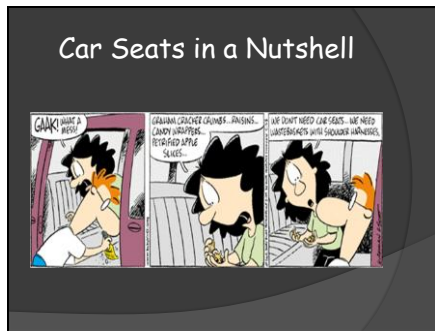
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Slide 2



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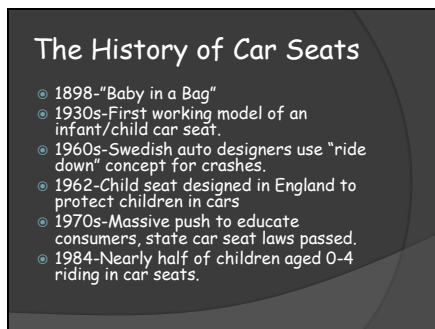
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Slide 3



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Slide 7

### MISSOURI'S CAR SEAT/BOOSTER SEAT LAW

Missouri's Booster Seat Law (RSMo 307.178 & 307.182)

Missouri's booster seat law, effective August 2006, requires children who have outgrown a child safety seat to be secured in a booster seat while traveling in a motor vehicle. The fine for violating this law is \$50 plus court costs, which far exceeds the cost of many booster seats.

Missouri law now requires:

- Children less than 4 years old or less than 40 pounds to be in appropriate child safety seat
- Children age 4 and older to be secured in a booster seat until they turn 8 years old unless they reach 80 pounds or 4'9" before that birthday
- Children weighing more than 80 pounds or taller than 4'9" are required to be secured by a vehicle safety belt or booster seat appropriate for that child.

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Slide 8

### Child Passenger Safety Issues

Non-Use  
Despite advances in technology and education, children are still being placed in vehicles unrestrained and incorrectly.



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Slide 9

### Crash Forces (Answer to 'I can hold my baby')

Approximation For Parents:

Weight X Speed = Restraining Force



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Slide 10

### Three Collisions in a Crash

1st: Vehicle Collision  
2nd: Human Collision  
3rd: Internal Collision

1st      2nd      3rd



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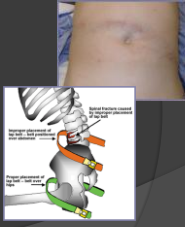
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Slide 11

### Seat Belt Syndrome

Spinal cord or soft tissue damage due to:

- Improper placement of lap belt over the abdomen
- Lap belt that rides up onto abdomen



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Slide 12

### Crashes and Non-Collisions

Non-collisions = spins, skids, swerves and emergency braking

Common causes of injuries:

- Ejection through windows or doors
- Collision with other occupants
- Impact with the vehicle interior

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Slide 13

It isn't just because we say so...



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Slide 14

Infants in the front seat + air bags = devastation or death



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Slide 15

According to the American Academy of Pediatrics

- The AAP recommends that all infants should ride rear-facing starting with their first ride home from the hospital. All infants and toddlers should ride in a **Rear-Facing Car Safety Seat** until they are 2 years of age or until they reach the highest weight or height allowed by their car safety seat's manufacturer.

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Slide 16

5 Ways Restraints Prevent Injury:

- 1. Prevent ejection
- 2. Contact the strongest parts of the body
- 3. Spread forces over a wide area of the body
- 4. Help the body to "ride down" the crash
- 5. Protect the head and spinal cord

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Slide 17

Unsurvivable Crashes

- Restraint systems are designed to protect from crash forces most likely to occur
- Many factors determine injury outcome (size, weight and speed)
- Seat belts and airbags or CRS = **Best chance of survival**

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Slide 18

Wreck involving a Washington Missouri's Police Officer's Wife



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Slide 19



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Slide 20



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Slide 21



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Slide 22

### Why are children more vulnerable to injury?

- Larger heads
- Higher center of gravity
- Soft skull bones
- Rounded hip bones  
(prevents lap belt from staying low on hips)
- Weak abdominal muscles
- Cars are designed to protect the ADULTS



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Slide 23

### How Do Child Safety Seats Prevent Injuries

- Spreads the crash forces
- Concentrates the crash forces on the strongest parts of the child's body
- Allows the child to "ride down" the crash
- Provides protection for the child's head, neck and spinal column
- Keeps the child from ejection or collision

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Slide 24

### Child Safety Seat Effectiveness

- Fatality Reduction
- 71% effective for infants
- 54% effective for toddlers
- Reduces the need for hospitalization by 69%
- Children = 37% less likely to be fatally injured riding in the rear seat



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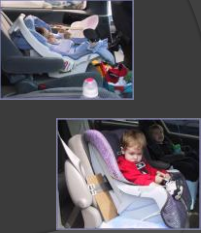
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Slide 25

### Misuse Rates

Informal checkup events consistently record at least 90% misuse rates



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Slide 26

### What's Wrong with this Picture?



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Slide 27

### Misuse



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Slide 28



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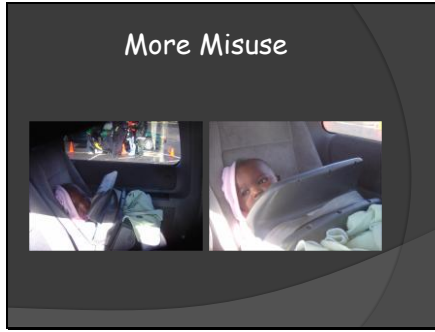
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Slide 29



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Slide 30



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Slide 31

How can it all be so difficult?

- Many, many different styles of car seats
- Many, many different years, makes and models of cars



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Slide 32

What is the "best" child seat?

- The one that fits your child
- The one that fits your vehicle
- The one that you will use correctly every time



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Slide 33

Common Types of Car Seats

- Infant only
- Convertible
- Forward Facing only
- Booster seats
- Special needs seats



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Slide 34

**Always and nevers of car seats**

- Always install the seat so that there is not more than 1 inch of movement at the belt path
- Always use the tether in the forward facing position
- Always secure the bottom of the harness before closing the chest retainer clip
- Always leave infants rear facing as long as the car seat allows

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Slide 35

**Always (continued)**

- Always make sure that the harnesses are tight enough so that you cannot pinch the harness or cannot put more than one finger underneath the harness
- Always place children in harnesses until they weigh 40 pounds
- Always place children in booster seats in a lap and shoulder belt

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Slide 36

**Never...**

- Never place an infant in the rear facing position in front of a frontal airbag.
- Never put anything heavier than a sweatshirt under the harnesses.
- Never use car seats beyond their expiration dates.
- Purchase used seats unless the seller knows the history, the seat is in good repair, and the seat is not expired.

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Slide 37

### Now What???

- 32 Hour CPS Class
- Check car seats with assistance
- Check car seats, check car seats, check car seat
- Educate your self!
- Educate your clients!



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Slide 38



**Cardinal Glennon**  
300 Cardinal Glennon Children's Medical Center

**Kohl's Cares**

Tuesdays 3:00 p.m. - 5:00 p.m.  
Burlington  
206 Burling St. Ste. 200  
St. Charles, MO 63301

Tuesdays 9:00 a.m. - 12:00 p.m.  
Health and Dental Care for Kids  
4955 Lindbergh Blvd., St. Louis, MO 63108

Wednesdays 2:30 - 5:30 p.m.  
People's Plaza Center  
5701 Delmar Blvd., St. Louis, MO 63121

Thursdays 3:00 - 6:00 p.m.  
St. Louis County Dept. of Health  
400 Jennings Station Rd., St. Louis, MO 63121

Mikroem Catholic Charities  
1202 S. Tower Ave., St. Louis, MO 63110  
Call Jaclyn for an appointment 314-634-1190

**NO APPOINTMENT NECESSARY - CLOSED IN BAD WEATHER**  
Open to City and County Residents

your child's safety is our business  
Kohl's Passenger Safety Program



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Slide 39

### Make car seats happen with Safe Kids St. Louis

- Contact information:
  - cathy\_hogan@ssmhc.com
- 314-612-5770
- www.safekidsstl.com
- Come on board!



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