



AUTOMOTIVE SAFETY PROGRAM

Indiana University School of Medicine

Booster Seat Safety Takes a Back Seat When Carpooling

According to a recent study published in *Pediatrics*, the official journal of the American Academy of Pediatrics (AAP), there is a great deal of inconsistency in booster seat use among drivers who carpool on a regular basis. This web-based survey had 1,612 respondents, of which 706 had a 4- to 8-year old child and 681 met inclusion rules.



Source: NHTSA

The results showed that of the nearly 700 caregivers, 76% say they use a booster seat for their own child, but only 55% insist on it when driving other children. The study reported that 64% of the respondents carpool and as much as 21% of those respondents do not insist on booster seats when their child is riding with another driver.

The study suggested that social norms may influence whether or not people use booster seats. It states, “Among parents who report using a child safety seat, only half always have their child use a booster seat when riding with friends who do not have boosters and 1 in 5 do not always ask other drivers to use a booster seat for their child.”

The lead study author, Michelle Macy, a pediatrician at the University of Michigan C.S. Mott Children’s Hospital, stated that the findings are “disturbing because close to 70% of parents say they carpool children other than their own, and when they do, they’re often failing to use booster seats.”

NHTSA has the following tips for caregivers when it comes to carpooling:

- Children should be properly restrained at all times
- Have a roster with emergency and contact information for each child
- Be sure children understand that their safety needs and rules transfer from vehicle to vehicle
- Designate routine drivers that are currently licensed and insured; no substitute drivers unless previously approved
- Adults need to buckle up too – children do as adults do
- Provide older children with good reasons why they must ride in boosters even if their friends don’t
- Only one seat belt or child restraint per child – NO SHARING!
- All children under age 13 should ride properly restrained in a rear seating position of the vehicle

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Refresher Courses

REFRESHER COURSES ARE BACK IN SWING

Mark your calendar this year for one of the Refresher Courses near you. The dates and locations have been selected and the registration forms will be sent no later than April 20, 2012. The Refresher Courses are designed to help Indiana's CPST's and Instructors stay current with the most up-to-date information in the CPS field. Although the course is not required for national recertification, we strongly recommend that all technicians and instructors attend one refresher course. You must be a current certified NHTSA CPST to be eligible to attend. The Refresher Courses provide an opportunity to earn CEUs (number of CEUs to be determined) as well as the ability to complete the five car seat scenarios required for recertification. The Refresher Courses will be held at the following locations:

Thursday, June 28, 2012
St. Joseph County
St. Joseph County Jail –
Training Room
401 W. Sample Street
South Bend, IN 46601
8:30 am to 5:00 pm (EST)

Wednesday, July 11, 2012
Johnson County
Greenwood Community
High School Auditorium
615 W. Smith Valley Road
Greenwood, IN 46142
8:30 am to 5:00 pm (EST)

Tuesday, August 7, 2012
Harrison County
Harrison County Hospital –
Baumgart Room
1141 Hospital Drive
Corydon, IN 47112
8:30 am to 5:00 pm (EST)

PFS Quarterly Activity

During the first quarter (October – December) of this grant year, Indiana's network of permanent fitting stations has reported a total of 2,057 inspections and has distributed 826 car seats to children in need. In addition, 81 Project L.O.V.E. vouchers have been redeemed.

Thanks to all those involved for your hard work and your dedication to child passenger safety!

New Permanent Fitting Stations

Please join us in welcoming the following two (2) new sites to Indiana's network of permanent fitting stations:

- East Chicago Police Department Lake County Coordinated by Jesse Becerra
- IU Health Starke Hospital Starke County Coordinated by JoEllen England

Visit <http://www.preventinjury.org/fittingStation.asp> for a complete listing of Indiana's permanent fitting stations.

Please contact Marnita Louzon at mlouzon@iupui.edu or 1.800.543.6227 if you are interested in establishing a permanent fitting station.

DR. O'NEIL A FINALIST FOR HEALTH CARE HERO AWARD

Each year, the *Indianapolis Business Journal (IBJ)* solicits nominations from the public for five different categories; Community Achievement in Health Care, Advancement in Health Care, Physician, Non-Physician, and Volunteer. This is the 12th year for the IBC awards. The finalists and winners are selected from a committee of judges from all facets of health care. Dr. Joseph O'Neil, co-medical director of the Automotive Safety Program was selected as a finalist in the category of Advancement in Health Care. This particular category honors a company or individual primarily responsible for scientific discovery or for development of a new procedure, device, or service that can save lives or improve the quality of life for a large number of people. A 13-year-old football player in Washington died from two concussions in a single football game in 2006. Due to this tragedy, the country's first legislation to ensure students-athletes with brain injuries get enough rest went into effect. Since this concussion law was established in 2009, there have not been any catastrophic brain injuries in Washington. Due to this, Dr. O'Neil was inspired to team with Dr. Daniel E. Kraft, director of Riley Hospital for Children Sports Medicine, State Senator Travis Holdman and Governor Mitch Daniels to work toward a law in Indiana that would protect student athletes. On July 1, 2012, Senate Bill 93 will take effect, making Indiana one of 31 states with a concussion law.

ANNIVERSARY OF NEW AAP GUIDELINES REVEALS OUTREACH IS WORKING

AAA conducted a survey that revealed parents appeared to get the message about the new AAP guidelines introduced a year ago. According to the guidelines, parents are advised to keep toddlers rear-facing until age two or until they reach the maximum height and weight of the child restraint. It is also recommended that older children between eight and 12 years old remain in a belt-positioning booster until they have reached the height of 4'9" tall. AAA's study noted that over ninety percent of the parents surveyed with children under 13 years old, reported being aware of the new guidelines. Many of the parents said this information was given to them by their child's pediatrician. According to the survey, outreach efforts have been successful as one in three parents has changed the way their children under 13 ride in the car. Jill Ingrassia, managing director, AAA Government Relations and Traffic Safety Advocacy stated, "It's encouraging to find that many parents are aware of the recommendations and are taking these safety interventions seriously. Parents are getting the message that moving a child to the next step prematurely is actually a downgrade in safety. Children should remain in their car or booster seat until they outgrow it." AAA has developed a series of informational videos to show to parents in which experts discuss step-by-step the new car seat and booster seat guidelines as well as proper seat belt use.

SHOULD SEATBELTS BE LOCKED WITH BPB'S?

Recently, the question has come up about whether or not it is appropriate to lock the seat belt with a child in a belt-positioning booster. According to the University of Michigan Transportation Research Institute (UMTRI), the best practice is to follow the manufacturers' directions, so if the manufacturer doesn't say to lock the seatbelt with a booster, then CPST's shouldn't be suggesting it as an option for parents. An updated version of the UMTRI document on best practices in child passenger safety will be coming soon. For this document, the UMTRI has researched the practice of switching seat belts to the locking mode when used with booster seats.

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Tech Tidbits (cont')

(continued from page 3)

When the UMTRI spoke with several manufacturers about this practice, most were against locking the seatbelt because seatbelts are designed to allow the torso to rotate past vertical in a frontal crash. This should prevent submarining below the lap part of the belt when there's no crotch strap. There are quite a few higher weight harness child restraints on the market now, so this type of seat should be considered if the child is not able to stay put in a booster seat, rather than locking the seat belt to restrain the "wiggly" child.

NATIONAL MOTOR VEHICLE FATALITIES LOWEST NUMBER SINCE 1949

NHTSA's Traffic Safety Facts for 2010 motor vehicle crashes was released this quarter. According to the report, 32,885 people died in motor vehicle traffic crashes in the United States in 2010, which is the lowest number of fatalities since 1949. The total number of occupants who were killed or injured in passenger vehicles was 22,187, down 5.4% from 2009. The report noted that there were 117 fewer children under the age of 16 killed in motor vehicle crashes, which is a 7.6% decline from 2009. According to the report, the majority of those fatalities were from a reduction in child occupant fatalities, 107 fewer in 2010 than 2009. For a detailed description of these traffic safety facts, visit NHTSA's website at www.nhtsa.gov.

This and That!

- ⇒ A recent study conducted by the Center for Injury Research and Prevention at the Children's Hospital of Philadelphia (CHOP) concluded that there is no association between children's weight and their risk of crash-related injury when seated in an appropriate child safety seat or belt-positioning booster. The study analyzed nearly 1,000 children ages one to eight involved in crashes and the results suggested that regardless of the child's weight, they are optimally protected in a crash as long as they are restrained according to the most recent AAP recommendations.
- ⇒ In February, NHTSA unveiled a new crash test dummy that will be used to test car seats and boosters for children weighing more than 65 pounds. NHTSA Administrator, David Strickland, stated, "Our new dummy is an excellent addition to NHTSA's extensive child seat compliance testing program and will enable the agency to gather the best data yet on the performance of higher-weight child seats." He further noted, "Even as we begin to reap the benefits of this new tool, NHTSA is already looking down the road and has research under way to further improve the dummy." This "10 year old" dummy can capture the risk of injuries by head and knee excursions, as well as chest acceleration.
- ⇒ Safe Ride News has launched their "LATCH Gallery" on their website. The LATCH Gallery provides photos of unique lower anchors and tether anchors in various vehicles. This information can be helpful if you come across a vehicle that does not have common LATCH positions. You can check out the gallery by visiting <http://saferideneews.com/srndnn/CPSTsProfessionals/LATCHInformationandUpdates/LATCHGallery/tabid/314/Default.aspx>.

This and That! (cont')

- ⇒ The Children's Hospital of Philadelphia (CHOP) recently launched their revised child passenger safety website now called, "Car Seat Safety for Kids" (www.chop.edu/carseat). This site features new sections for parents of children with special needs or premature infants as well as information for expectant mothers. You can find all of CHOP's fact sheets, illustrations, images, and reports for download. On the site, you have access to the new "Car Seat Safety By Age" videos which reflect the most current recommendations from NHTSA and the AAP.
- ⇒ General Motors is working to bring next generation entertainment technology to rear seating positions in future vehicles. GM has dubbed a new suite of interactive games and apps as "Windows of Opportunity." These games and apps would be projected on rear-seat window glass, providing entertainment and potentially education to back seat riders. One of the apps called Foofu, enables finger painting on simulated frosted glass. None of these lab developments will be seen in any vehicles in the immediate future.
- ⇒ NHTSA has a new website for free publications on information targeted to various age groups about traffic safety. You can order videos, CDs, reports, flyers, posters, and brochures. Go to <http://mcs.nhtsa.gov/> for more information.
- ⇒ It may seem like it will never happen to you or anyone you know; however, parents leave their children in the vehicle unintentionally quite frequently. One way to attempt to avoid this is by downloading the Baby Reminder app for the smart phone. Parents set the days and time intervals in which they drive their children. The app will automatically monitor and determine when they are driving. Shortly after they arrive at their destination, an alert will remind them not to forget their baby in the car.
- ⇒ You can find upcoming CPS webinars by visiting www.facebook.com/CPScert.
- ⇒ At the ABC Kids Expo, Dorel announced that all their booster seats will now start at 40 lbs.
- ⇒ Do you need CPS images for your presentations or other literature? Check out NHTSA's image library for free photos for use. They are free to use as they are available through the government. Visit http://www.nhtsa.gov/nhtsa/imagelibrary/category_search.cfm?sCategories=Child+Passenger+Safety&Action=GET+KEYWORDS and select the categories you need.
- ⇒ There are some important updates to the LATCH manual from Safe Ride News. Please take a moment to visit <http://www.saferidenews.com/srndnn/SRNProducts/LATCHManual/LATCHManualUpdates/tabid/54/Default.aspx> and select the LATCH manual you are currently using. You will have the opportunity to see the most recent changes to the LATCH manual, so please update your manuals accordingly.
- ⇒ Safe Ride News is now offering all the appendices from the 2011 LATCH manual on CD for anyone who uses computers at their check-up events for child restraint and vehicle information. You can find the order form at <http://saferidenews.com/srndnn/SRNProducts/ListofSRNProducts/tabid/227/Default.aspx>.

NEW PRODUCTS

Mia Moda Certo Infant Seat

- Infants weighing 4-22 lbs.
- Height up to 29 in.
- Four harness slot positions
- Three position base adjustment
- Center pull adjustment system
- Newborn head support
- Two level indicators
- MSRP: \$114.99
- www.miamodainc.com



Baby Trend TrendZ Fastback 3-in-1

- Forward facing with built-in harness for children weighing 22-70 lbs.
- High-Back booster seat for children weighing 30-100 lbs.
- Backless booster seat for children weighing 40-120 lbs.
- Rigid LATCH anchors
- Flex-Sides adjust to size of child
- Rigid Energy Management System (REMS) to reduce movement of car seat in crash
- MSRP: \$199.99
- www.babytrend.com



NEW PRODUCTS (CONT')

Safety 1st onSide air™ Convertible

- Rear facing for children weighing 5-40 lbs.
- Rear facing height from 19-40 in.
- Forward facing for children weighing 22-40 lbs.
- Forward facing height from 34-43 in.
- Air Protect Revolutionary Side Impact Technology
- Four harness heights
- Three buckle locations
- MSRP: approximately \$89.99
- www.safety1st.com



Safety 1st Chart Air 65 Convertible

- Rear facing for children weighing 5-40 lbs.
- Rear facing for height 19-40 in.
- Forward facing for children weighing 22-65 lbs.
- Forward facing for height 34-52 in.
- Air Protect Advanced Side Impact Technology
- MSRP: \$139.99
- www.safety1st.com



NEW PRODUCTS (CONT')

Graco Classic Ride® 50 Convertible

- Rear facing for children weighing 4-40 lbs.
- Forward facing for children weighing 20-50– lbs.
- Side impact tested
- 5-point, front adjust harness
- MSRP: \$99.99
- www.gracobaby.com



Peg Perego Primo Viaggio SIP 5-70 Convertible

- Rear facing for children weighing 5-35 lbs.
- Forward facing for children weighing 20-70 lbs.
- Adjustable side impact protection in 10 different positions
- One hand adjustment for three different recline positions
- MSRP: \$379.00

www.pegperego.com



NEW PRODUCTS (CONT')

Cosco Apt 40RF Convertible

- Rear facing for children weighing 5-40 lbs.
- Forward facing for children weighing 22-40 lbs.
- Five harness heights
- Three buckle slots
- Side impact protection
- MSRP: \$54.99
- www.coscojuvenile.com



Evenflo SecureKid 300 Combination Seat

- Children weighing 22-110 lbs.
- Height between 29 and 57 in.
- Forward facing with 5-pt. harness from 22-65 lbs.
- Forward facing with vehicle seat belts from 40-110 lbs.
- Exclusive Quick Connectors Technology
- Side impact tested
- MSRP: \$119.99
- www.evenflo.com



NEW PRODUCTS (CONT')

Evenflo SecureKid 400 Combination Seat

- Children weighing 22-110 lbs.
- Height between 29 and 57 in.
- Forward facing with 5-pt. harness from 22-65 lbs.
- Forward facing with vehicle seat belts from 40-110 lbs.
- Exclusive SureLatch Technology
- Side impact tested
- MSRP: \$149.99
- www.evenflo.com



Safety 1st Essential Air

- Use harness for children weighing 22-65 lbs.
- Belt positioning booster from 40-100 lbs. and 57 in.
- 12 position headrest
- QuickFit no rethread harness
- Color coded belt paths for easy installation
- One click LATCH installation system
- MSRP: \$179.00

www.safety1st.com



NEW PRODUCTS (CONT')

GOBOOSTER

- Inflatable booster seat
- Children weighing 40-80 lbs.
- Height between 40 and 59 in.
- Includes free travel tote
- Not sold in stores
- MSRP: \$59.99
- <http://gobooster.co/>



Harmony V6 Highback Booster Seat

- Children weighing 30-110 lbs.
- Side and rear impact protection
- Five position headrest adjustment
- Two recline positions
- Easily converts to backless booster
- MSRP: \$79.99
- www.harmonyjuvenile.com



NEW PRODUCTS (CONT')

Safety 1st Boost Air Protect[®]

- Belt positioning booster from 30-100 lbs.
- Air Protect Revolutionary Side Impact Technology
- Adjustable head rest
- Easily converts to backless booster
- MSRP: \$79.50
- www.safety1st.com



RECALLS

Britax — Model: Chaperone

- Manufactured September 1, 2010 — April 30, 2011
for the following model numbers:
USA: E9L692J, E9L692K, E9L692L, E9L692M
Canada: E9L952J, E9L952K, E9L952L
- The harness adjuster can detach from the seat shell. Should the harness adjuster detach from the seat, the child will not be properly restrained in the event of a crash, increasing the risk of injury or death.
- Britax will notify owners and provide repair kits free of charge.
- The safety recall and mailing of the kits began on or about February 6, 2012.
- Owners may contact Britax at 1-888-427-4829 or visit www.BritaxUSA.com

Contact Customer Service at 1-888-427-4829 or www.Chaperonerecall.com. The model and manufacture date from Chaperone Infant Car Seat will be necessary information when calling or viewing the posted information on line.



Mark Your Calendar

2012 Indiana Injury Prevention Conference and 16th Annual Child Safety Advocate Awards

May 3-4, 2012
University Place Conference Center and Hotel
Indianapolis, IN
Cost - \$100.00

Contact: Jamie Smith, 317.944.2977

smithjak@indiana.edu

ONLINE REGISTRATION AVAILABLE AT:

www.preventinjury.org

Toyota Material Handling, U.S.A. Safety Seat Checkup Event

May 5, 2012
Columbus, IN
10:00 am to 2:00 pm
To volunteer or reserve a spot, call 800.745.SAFE,
- Leave a number for a call back

2012 Click It or Ticket Campaign

May 21—June 3, 2012

www.nhtsa.gov/CIOT

2012 Lifesavers Conference

June 14-16, 2012
Walt Disney World Swan and Dolphin
Orlando, FL
National Conference on Highway Safety Priorities
www.lifesaversconference.org

2012 Refresher Course

Thursday, June 28, 2012
St. Joseph County Jail—Training Room
South Bend, IN
8:30 am to 5:00 pm (EST)

2012 Refresher Course

Wednesday, July 11, 2012
Greenwood Community High School Auditorium
Greenwood, IN
8:30 am to 5:00 pm (EST)

2012 Refresher Course

Tuesday, August 7, 2012
Harrison County Hospital—Baumgart Room
Corydon, IN
8:30 am to 5:00 pm (EST)

8th Annual Kidz In Motion (KIM) Conference

August 15-18, 2012
The Omni at ChampionsGate Hotel
ChampionsGate, FL (Just SW of Orlando, FL)
National Conference Dedicated to
Child Passenger Safety Professionals
www.kidzinmotion.org

National Child Passenger Safety (CPS) Week

September 16-22, 2012

A NEWSLETTER DEDICATED TO PROVIDING INFORMATION, NEWS AND OPINIONS ON AUTOMOTIVE SAFETY

The Automotive Safety Program
575 Riley Hospital Drive, Room 004
Indianapolis, IN 46202

Phone: 317.944.2977 or 1.800.KID.N.CAR
Fax: 317.948.0399
www.preventinjury.org



Layout: Charles Akerland

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Editors: Judith Talty, April Brooks

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The Automotive Safety Program is dedicated to ensuring that all vehicle occupants in Indiana are transported safely.

The Program is funded by the Governor's Council on Impaired & Dangerous Driving.