

## **Synopsis for 2017 Presentations**

### **KIDZ IN MOTION, the National Child Passenger Safety Conference**

#### **Advanced Safety Features: How We Make Car Seats Safer by Paul Gaudreau, UPPAbaby**

Advanced safety features are becoming more and more common in car seats. Learn why car seat manufacturers are including these features and what effect they have on increasing child safety.

#### **Beyond the Sled Test: Product Integrity Testing for Child Restraints, Sarah Haverstick, Goodbaby International**

Car seat technicians are generally familiar with the extensive crash testing that takes place prior to the production of a child restraint, however techs may not be aware of the role that product integrity testing plays in this process. This presentation will discuss the various other types of testing that occur before child restraints hit store shelves. The discussion will also include a look at the standards that govern this testing, including federal motor vehicle safety standards, ASTM and CPSC.

#### **Booster to Belts: Adapting a program to a changing culture, by Norraine Wingfield, Kansas Traffic Safety Resource Office**

The Booster to Belts curriculum has existed in Kansas since 2007. This presentation will walk you through the early years of the program and how it has changed and adapted from a classroom program led by an adult to a venue program led by an entertainer and back to a classroom program led by the student's peers.

#### **Car Seat Tolerance Testing: Who, What, Where, When and Why by Natalie Davis, University of Maryland School of Medicine, Baltimore, MD**

Currently, the American Academy of Pediatrics (AAP) recommends that all babies born prematurely undergo a period of monitoring in their car seat prior to going home from the hospital to look for any dangerous heart rate changes, oxygen drops, or breathing pauses. This test is known as the Car Seat Tolerance Screen (CSTS). This presentation will review the origins of this test, current AAP recommendations for testing, failure rates and risk factors for failure, current literature on short and long term outcomes for infants who fail a CSTS, as well as discuss future directions for research on the CSTS.

#### **A Closer Look at CR Fit: Harness Use for Newborns by Denise Donaldson, Safe Ride News Publications**

An impressive array of car seats are available for today's newborns, and many can be adjusted and converted for use by much larger children. While caregivers appreciate this versatility, it also means that ensuring proper use for the smallest occupants requires attention to many details. This session will review some of these features, with emphasis on manufacturers' instructions and common mistakes to avoid.

**Comprehensive Child Passenger Safety Program That Works! by Alison Weston, Safe Kids Larimer County**

Are you interested in starting or expanding your CPS programs? For the last 14 years, Safe Kids Larimer County has coordinated a multifaceted approach to CPS in our community. From permanent inspection stations or emergency car seat needs to hospital fit stations or education and distribution classes, we are available to assist all families. Join us as we travel through the steps of finding and securing funding, naming key partners, program evaluations and tackling the process of implementing new programs. We will discuss tips and tricks to help reproduce our programs within your area.

**CROP: Child Restraint Offenders Program by Carrisa Johns, Orange County Sheriff's Office**

A brief history of Central Florida's first and only Child Restraint Offenders Program. Conference attendees will learn what material is presented to those citizens who are court ordered to attend this three hour class after receiving a child restraint citation.

**Decreasing Child Passenger Safety Injuries in the Primary Care Setting by Jane Howard, Children's Hospital of Wisconsin**

Participants will learn how to implement an evidence-based child passenger safety education initiative in a primary care clinic by leveraging physician education, electronic medical record (EMR) tracking and referral to a child passenger safety technician for follow up. Learn that through health system based initiatives, it is possible to identify target injuries and develop educational and informational technology based interventions to improve referrals to current child passenger safety programming. Using a system of care redesign approach, these interventions can be translated to other injury prevention and disease specific initiatives.

**Development of an Urban Children's Center Child Passenger Safety Program by Lauren Malloy, John Hopkins Children's Center**

Managing a child passenger safety program in an urban children's hospital is complex and requires considerations on staffing, budgeting and operations. This session discusses the development and implementation of a hospital wide child passenger safety policy and educational materials for families/patients. In addition, staff training was pertinent to ensure compliance with protocols/standards of care, and safe discharges home for families.

**Empowering Individuals who use Wheelchairs to Ensure Safe Transportation by Danielle Morris, Participation PT LLC**

Individuals who use wheelchairs face challenges in accessing safe transportation in private and public vehicles. Many health care professionals are unaware of the field of child passenger safety and the important and integral role that Child Passenger Safety Technicians can play in helping to achieve safe transportation. Development of a comprehensive program to teach and empower individuals, families, care providers, health care personnel, and community professionals about safe transportation should be developed and facilitated by rehabilitation professionals and child passenger safety technicians working together. Participants will explore barriers and solutions and will learn how to develop partnerships within the community.

**Engaging the Consumer: Providing 5-Star Product Instruction and Consumer Interaction by Emily Olds (Michelle Williams, Amber Seger & Daniel Dias), Dorel**

This presentation will discuss how the human brain processes information and how to overcome the challenges it presents when designing graphics for instructional information. Dorel Juvenile is taking the lead in researching and developing manuals and labels as well as taking advantage of communication technology and comprehensive training in order to provide a better user experience.

**Implementing Lap-Shoulder Belts In your District School Buses by Charles Vits, IMMI**

This presentation will focus on the concepts used by school districts that have successfully proceeded with the implementation of lap-shoulder belts in their school district school buses. After reviewing why there is a need for lap-shoulder belts on school buses, this session will break down the process and key elements involved in planning for the day the buses will arrive so that the greatest benefits will be achieved. The session will conclude by addressing the need and the role of the CPST in supporting this community effort.

**Integration of Car Seat Safety Education into the Hospital Setting by Tracey Holmberg, Swedish Medical Hospital**

Motor vehicle crashes are a leading cause of injuries and death for children. Hospitals are encouraged to address child passenger safety in their discharge policies. In this presentation, you will be able to describe why it's important to teach car seat safety education to parents prior to hospital discharge, describe techniques to teach best practice for safe transportation of children, identify effective ways to educate hospital staff and patients on car seat safety during acute care hospitalization, and provide healthcare professionals with tools you can use in your hospital to implement an effective car seat safety program.

**Leveraging Limited Resources in the Hospital Setting by Carrie Rhodes, Nationwide Children's Hospital**

Although the goal of passenger safety is to ensure safe transport of children while riding in a motor vehicle, many organizations are challenged with limited resources to meet the needs of the ever increasing volume of families in need. This presentation will identify strategies to empower non-Child Passenger Safety Technician staff to improve the safety of your patients' one encounter at a time. It will describe after hour distribution tips, recruitment of patient safety champions, and development of guidelines and education to support the program.

**Leaving on a jet plane and bringing the kids with me.... by Tammy Franks, Randall Children's Hospital at Legacy Emanuel**

Travel can be overwhelming for families especially when traveling by airplane. Advice on the internet can be contradictory and inaccurate. This workshop session will clarify misinformation by citing credible resources on airplane travel including the FAA, AAP, and MACPS. Conventional and specialized seat options will be explored including the process to petition for an exception for children with special transportation needs. Potential compatibility issues will be addressed. For families optioning not to take their car safety seats with them, car safety seat/booster seat options available through car rental companies will be reviewed.

### **Limitations with Center Seating Location and Load Leg Installation by Daniella Brown, UPPAbaby**

This session does a deep dive into the various factors that can affect center seat, LATCH and load leg installation. By evaluating items such as seat back contact point, LATCH anchor depth, seat angles and seat depth for example, a measurement device was created and will be reviewed to specifically gather consistent data from vehicle to vehicle. Finally, data will be evaluated and reviewed in order to understand how this information can be implemented in design phases throughout a car seat program.

### **Pediatric Heatstroke Deaths in Vehicles by Jan Null, San Jose State University**

Pediatric vehicular heatstroke (PVH) accounts for an average 37 deaths annually. This research shows both the extremely rapid rate of temperature rise within vehicles and the extreme high temperatures that are attained inside a vehicle. Even with relatively mild outside temperatures, vehicular temperatures can reach levels that put the life of infants and children in jeopardy. This paper also addresses the epidemiology of heatstroke deaths of children in vehicles, including the circumstances that lead to these tragedies.

### **Program Development, Where do I begin? by Adrienne Gallardo, Doernbecher Children's Hospital**

Interested in developing a new Child Passenger Safety Program or improving an existing program? This workshop will assist you in identifying key steps to developing a comprehensive program or improve your current CPS efforts within your program. Using a nationally recognized Project Planning Tool, You will learn to identify a clear mission and vision along with developing a map of assets and needs which will lead you to creating a road map that will guide you to creating a successful sustainable program to benefit your community.

### **Rear-facing child restraint systems in rear impact crashes by Julie Bing, The Ohio State University, Injury Biomechanics Research Center**

Rear-facing (RF) is the safest orientation for children in all types of crashes—especially frontal and side impacts, when the RF CRS cradles and supports the occupant's head, neck, and spine. But what happens when the crash motion is reversed in a rear impact crash? Do RF CRS still provide adequate protection? This presentation will investigate field data from this crash scenario, combined with experimental testing with crash test dummies to investigate how RF CRS protect children in all types of impacts. We will also discuss effective ways to communicate scientifically-backed information to caregivers who ask about rear impact crashes.

### **What's New in CChIPS Research by Schuyler St. Lawrence, Toyota**

In this workshop we will discuss the Center for Child Injury Prevention Studies (CChIPS) and the research that it performs. First, we'll look at what CChIPS is, who's a part of it and how it all works. Next we will see important findings from some of the latest research, with a particular focus on the usability and performance of shared lower anchors in the center seat. We will also look at some of the vehicle and CRS features that affect child protection in the rear seat in angled side impacts.