



**NTSB** National Transportation Safety Board

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## Highlights of 2010 Child Passenger Safety Forum

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## Child Passenger Safety Forum

in the Air and in Automobiles

Thursday, December 9, 2010

9 am - 5:30 pm

Washington, DC

"Presentations will be available on [www.nts.gov/children](http://www.nts.gov/children) following the forum. Submissions are being accepted and should be sent electronically as an attached document to: [childsafety@nts.gov](mailto:childsafety@nts.gov). The deadline for receipt is December 23, 2010. Input received will be entered into the NTSB public docket on this forum."

# AGENDA

## Welcome and Opening Remarks

Deborah A.P. Hersman, *Chairman, National Transportation Safety Board*

## Video on child passenger safety: Premiere

## Aviation Child Passenger Safety

Rick DeWeese, *Civil Aerospace Medical Institute, Federal Aviation Administration*

Nancy Claussen, *Federal Aviation Administration*

Patricia Friend, *Association of Flight Attendants*

John Meenan, *Air Transport Association*

Kathleen Vasconcelos, *Aircraft Owners and Pilots Association*

*Air Safety Foundation*

Mary Gooding, *Virgin Atlantic*

## Highway Child Passenger Safety

Alexander Sinclair, *National Highway Traffic Safety Administration*

Dr. Kristy Arbogast, *Center for Injury Research and Prevention,*

*Children's Hospital of Philadelphia*

Dr. Anne McCartt, *Insurance Institute for Highway Safety*

Dr. Stephen Rouhana, *Ford Motor Company*

## Moving Forward: Solutions that Work

Dr. Grant Baldwin, *Centers for Disease Control and Prevention*

Dr. Dennis Durbin, *American Academy of Pediatrics*

Lawrence Decina, *Transanalytics*

Lorrie Walker, *Safe Kids Worldwide*

David Campbell, *Juvenile Products Manufacturers Association*

## Concluding Remarks

Deborah A.P. Hersman, *Chairman, National Transportation Safety Board*

Child Passenger Safety

# Presentation Overview

- Purpose of child passenger safety forum
- Video promoting appropriate restraint use
- Selected findings
  - Aviation
  - Highway
  - Next steps: solutions that work
- Plans for Year of Child Passenger Safety

# Aims

- Educate parents and caregivers about best practices in transporting children.
- Highlight need for programs directed toward nonuse and improper use of child restraints.
- Identify ways to increase child restraint use:
  - Government (state and federal)
  - Manufacturers (vehicle, child restraint)
  - Airlines

# Video

NTSB child passenger safety  
video is available at  
[www.nts.gov/children](http://www.nts.gov/children)

## Aviation child safety: selected findings

- Best practices:
  - Child in own seat, not parent's lap
  - Infants and toddlers use approved child seats
    - One harness also approved for toddlers.
- Belly belts unsafe: child can be crushed, ejected.
- Need additional data: number of children flying, restraint use, child injuries and deaths
- Virgin Atlantic Airlines: collects data, encourages purchase of seats for children, discounts seats for infants, offers aviation child seats, helps parents install them.

# CARES Harness



## Automotive child safety: selected findings

- Impressive improvements overall in use and effectiveness of child restraint systems, but more progress is needed.
  - Older children and Hispanic and African American children of all ages less likely to be restrained.
  - State laws inconsistent -focus on age rather than fit.
  - Booster seat and top tether use needs to increase.
  - New rear seat technologies may improve safety in the future.
- New safety programs
  - NASS Child Occupant Special Study
  - NHTSA effort to develop an auto/CRS fit program.



## Solutions that work: selected findings

- Need to consider social ecology: address factors that encourage or discourage child seat use (e.g., social norms, carrying car seats through airport).
  - Multiple opportunities to intervene.
  - Evaluation of program outcomes is essential.
- Pediatricians: convince parents to be firm with children.
- Designate child restraint enforcement teams.
- Schools: good for reaching caregivers of booster-seat aged children.
- Mobile child seat fitting stations.

## Plans for NTSB's Child and Youth Initiative

- Website resource: [www.nts.gov/children](http://www.nts.gov/children)
- Press releases, tweets, public outreach activities, safety week events
- Collecting additional data on child injuries and deaths in general aviation (private airplanes).
- Interested in partnerships with other organizations to promote safety for children and teens across all transport modes.



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