Teach the Village... to Keep Kids Safe in the Car
Heidi Heflin, MN, RN, CPSTI  SafetyBeltSafe U.S.A.

Session Outline

- CPS in 2017: the 'State of the Nation'
- CPS: who are the experts?
- Where do families get their information on CPS?
- What opportunities & challenges does this present for CPS education?
- A model for engaging community partners

Child Passenger Safety in 2017: the 'State of the Nation'

- **Vision Zero** – '0' deaths & injury; NHTSA goal.
  
  ![Vision Zero Logo](https://example.com/vision-zero-logo.png)

- "Most Wanted List of Transportation Safety Improvements" - NTSB. legislation upgrades, enforcement, education.
Child Passenger Safety in 2017: 
the 'State of the Nation'

Continuing Challenges:

- Substantial decrease in protection as children grow
- DUI by caregivers
- Unrestrained
- Misuse

Child Passenger Safety: Who are the Experts?

CPS: Whom do Parents (and Kids) see as 'The Experts'?
CPS: What Do Families Learn from their ‘Experts’?

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CPS: What Do Families Learn from the Media?

Exposure to images of reckless driving among children aged 10 – 14 measured by exposure to selected list of 50 movies was directly associated with real-world reckless driving 6 years later.


Children Affected by DUI: An Example of an Often-Neglected Group Greatly in Need of Inter-Agency Work

Estimated 46 – 102 million drunk driving trips with child passengers every year.

65% of children under 15 years killed in DUI-related crashes were riding with impaired driver, (of those) 61% unrestrained. Kiran Quinlan, MD. Child Passenger Deaths Involving Alcohol-Impaired Drivers. Pediatrics, 5/5/2014.

Reach out to agencies (law enforcement, healthcare, judges) to focus attention on this need.

CPS: Access to the Real Experts!

• 57 million children aged 0 – 13
• 39,000 certified CPS Technicians
• 1 Technician for every 1500 children

www.carseat.org
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CPS: Building Capacity to Serve Every Family

Q: How can we deliver quality CPS education to every family, our contribution to Vision Zero?

CPS: Building Capacity to Serve Every Family

A: Use "the village" (parent-perceived experts!) already in place:
- Pediatric/Obstetric clinics & clinicians
- Health care & social services providers
- Law Enforcement
- Safety Professionals
- Child Care Professionals
- Teachers
- Retailers...

CPS: Building Capacity to Serve Every Family

Benefits of Using 'The Village':
- Tens of thousands more of them than of us.
- Already have access – esp. to older kids unlikely to attend a specific CPS event.
- Already have trust.
- Come from the community they serve.

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**How Effective Can Non-Specialist Education Be?**


SafetyBeltSafe U.S.A. **Nursing 1-Hour Webinars increased post-test scores of CPS knowledge from 41 to more than 84%.** SBS USA (2016)

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**How Effective Can Non-Specialist Education Be?**

Riley Children's Hospital: **Comprehensive Safe Transport Program**

- 600 additional staff have completed shorter course on CPS Resources to teach and refer.
- Expanding to 18 surrounding hospitals.

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**The SBS USA Educator Workshop: One Model of CPS Training for Non-Specialists**

Aims of the **SBS USA Educator Workshop:**

- **Teach basic CPS concepts — focus on 5 best practice messages.** (RF, harness/tether, pregnant woman, belt fit, back seat)
- **Empower** allied professionals to provide good quality, general CPS education
The SBS USA Educator Workshop: One Model of CPS Training for Non-Specialists

- Raise the profile of CPS in the community, generate increased understanding of the issues and need for community programs.
- Recruit volunteers, potential candidates for CPS Technician training.
- Provide a resource for continuing education for Techs, CEUs, mentoring etc.

Curriculum:
- 1. Motivation: statistics; law.
- 2. Introduction to safety seats.

The SBS USA Educator Workshop: One Model of CPS Training for Non-Specialists

Curriculum:

3. Installation: emphasis on importance of correct use, reading owner's manuals, learning about vehicles.

4. Safety seat misuse: visual display of common misuses as interactive experience with instructor.
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The SBS USA Educator Workshop: One model of CPS Training for Non-Specialists

Curriculum:
5. a. "Treasure Hunt" – for CPSTIs, intro to new safety seat features (part of CEU-qualifier)
   b. LATCH/belts in cars for newcomers to CPS

6. Break-out sessions:
   a. Working in the community
   b. Setting up a distribution program
   c. Special Needs

The SBS USA Educator Workshop: Reference and Teaching Guide

Take-Home Reference: explicitly to prevent participants from inventing own teaching plan.

- Technical Info: in short bits as reference
- Outlines: to teach colleagues/parents
- Script/Speech: for parents, colleagues
- Sample letters
- Statistics, laws, & regulations: brief formats
- SBS USA tools: Child Restraint Manufacturers' Instructions & Summaries, SBS USA Recall List, "sub-workbooks" for break-out sessions
- Introductions to other CSP tools: Color Pictorial & Safe Ride News

The SBS USA Educator Workshop: One Model of CPS Training for Non-Specialists

Checkup: Allows for inter-agency teamwork

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Conclusion

- Need for high-quality, general CPS education aimed at allied professions— with an interest in children, health, injury prevention but not likely to allocate the resources to a fully-dedicated CPS program.

- Brief, non-technical training can be highly effective for engaging professionals to convey key CPS concepts to families.

- Widespread education of 5 key messages is needed to achieve new social norms in the correct restraint of children and ultimately reach Vision Zero.

SafetyBeltSafe U.S.A.  www.carseat.org
Why SafetyBeltSafe U.S.A.?

Our training workshops are a hands-on learning experience for healthcare providers and educators, nurses, social workers, emergency responders, law enforcement officers, childbirth and parenting educators, transportation coordinators, safety officers, teachers, retailers and community volunteers.

This workshop also is recommended as preparation for the national Standardized Training Course to become a Certified Child Passenger Safety Technician.

SafetyBeltSafe U.S.A., founded in 1980, is the national non-profit solely devoted to increasing child passenger safety through the correct, consistent use of safety seats and belts and has been providing training since 1980.

Credits for Continuing Education

CPS Technicians & Instructors: This course is approved for 4 Continuing Education Units toward recertification.

Nurses: USC Verdugo Hills Hospital is an approved provider by the California Board of Registered Nursing, Provider # CEP66. This course is approved for 6 contact hours of continuing education (CE) credits.

Funding for this program is provided by the California Office of Traffic Safety through the National Highway Traffic Safety Administration.

Did You Know?

. . . that California law requires children, regardless of age, to ride in a safety seat or booster if the safety belt doesn’t fit properly?

. . . that most parents use safety seats incorrectly, even though they think they are using them correctly?

. . . that more than 20 million safety seats have been recalled and that many of them have not been repaired?

. . . if you have checked the most recent recall list?

. . . that a safety belt shoulder strap should not be placed under the arm? And why not?

. . . when a child is old enough to ride forward facing in the car and how California law has changed?

. . . how to properly transport physically challenged infants, children, and adults in vehicles?

. . . what a tether strap is and why it is very important?

These are a few of the essential points covered in this workshop, which prepares professionals and community volunteers to prevent injuries in traffic collisions, the #1 cause of death and disability for children and adults 35 years of age and under.

SafetyBeltSafe U.S.A.

CHILD PASSENGER SAFETY TRAINING COURSE

For law enforcement, community volunteers and professionals who work with children and families

Educator Workshop (Part I)

Wednesday, March 1, 2017
Jackie Robinson Community Center, Pasadena

Safety Seat Checkup (Part II)

Thursday, March 2, 2017
Jackie Robinson Community Center, Pasadena

Sponsors: California Office of Traffic Safety and Pomona Police Department, with support from Jackie Robinson Community Center, Pasadena Police Department, and USC Verdugo Hills Hospital.
Our Goal:
To increase health and safety professionals’ knowledge of: proper child safety seat usage, to reduce the incidence of death and injury in childhood from motor vehicle crashes, and to enhance professionals’ roles in the community in reducing those deaths and injuries.

More than 7200 satisfied participants have completed this nationally recognized curriculum. It is recommended that participants attend the course at least every two years.

All participants receive the Educator Workbook with the DVD of Child Restraint Manufacturers’ Instructions with Summaries, valued at $50

SafetyBeltSafe U.S.A. Faculty
Stephanie M. Tombrello, LCSW, CPSTI, Executive Director
Heidi Heflin, RN, MN, CPSTI
Catharine Marroquin, CPSTI
Trisha Stites, CPSTI

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NOTE: This course includes climbing into participants’ vehicles to check on safety belt systems. Please wear comfortable clothing.
SAFETY SEAT CHECKUP FORM

<table>
<thead>
<tr>
<th>Parent</th>
<th>First Name</th>
<th>Last Name</th>
<th>Relationship to Child:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>☐ Parent ☐ Expectant Parent ☐ Other: ________________</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Street address</th>
<th>City</th>
<th>State</th>
<th>ZIP</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Telephone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Child</th>
<th>Name</th>
<th>Age (or Estimated Due Date)</th>
<th>Weight</th>
<th>Medical or Behavioral Issues</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Car</th>
<th>Make</th>
<th>Model</th>
<th>Year</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>CRS</th>
<th>When you got your child’s safety seat, was it:</th>
<th>Has it ever been in a crash?</th>
<th>How did you learn about this checkup?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>☐ New ☐ Used ☐ Don’t know</td>
<td>☐ No ☐ Yes ☐ Don’t know</td>
<td>☐ New ☐ Used ☐ Don’t know</td>
</tr>
</tbody>
</table>

Attention Parent/Caregiver: Please buckle in your child as usual for the beginning of our checkup.

**Please read and sign the statement below:**

I am requesting a safety seat checkup. I understand that I should read and follow the manufacturer’s instructions provided with my child restraint and my vehicle.

Signature __________________________ Date ________________________

<table>
<thead>
<tr>
<th>Checkers</th>
<th>Name of Recorder</th>
<th>Signature of Recorder</th>
<th>Recorder cell number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>( )</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Names of other Checkers</th>
<th>Checkup Location</th>
</tr>
</thead>
</table>

Location of child restraint and other passengers

Indicate location of this restraint with “CR”. Indicate ages and positions of other passengers present.

![Diagram]

**Example:**

A 6 yrs CR

Driver 2 yrs

Which Air Bags are present in the vehicle?

☐ Passenger, Front ☐ Passenger, Side ☐ Inflatable Safety Belt ☐ Back Seat, Side ☐ Passenger, Knee ☐ Other: ________________

Is there an Air Bag cut-off switch?

☐ No ☐ Yes

Is it ☐ On or ☐ Off?

Other CR Information:

☐ Child not present ☐ CR not installed ☐ Child not present ☐ Child restraint with harness ☐ Rear-facing ☐ Forward-facing

**Manuals and Instructions**

<table>
<thead>
<tr>
<th>☐ Yes ☐ No</th>
<th>Caregiver brought CR Instruction Booklet</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Yes ☐ No</td>
<td>Caregiver brought vehicle owner’s manual</td>
</tr>
<tr>
<td>☐ Yes ☐ No</td>
<td>Checker used manufacturer’s instructions, including summary sheet(s) by SBS USA</td>
</tr>
<tr>
<td>☐ Yes ☐ No</td>
<td>Checker used SRN LATCH manual for LATCH and/or tether guidelines</td>
</tr>
</tbody>
</table>

**Supervisor Sign-off**

initials of designated supervisors/CPSTIs required

Before seat is installed – **Harness threading** is checked

Before family leaves checkup – **Final Installation** is checked

Before family leaves checkup – **Checkup Form** reviewed
**HOW CHILD ARRIVED AT THE CHECKUP**  (Child Restraint with Harness)

Items with ★ are required, even if child is not present

<table>
<thead>
<tr>
<th>Item</th>
<th>OK</th>
<th>Error</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>★ CR is in the back seat of the vehicle</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>★ Harness straps are flat, not rolled or twisted. If child present, on shoulders/chest/hips</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>★ No slack in harness (pinch test)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>★ No aftermarket product behind, under, or over child/CR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>★ Chest clip at armpit level, threaded properly (if child not present, OK if there is a clip threaded properly)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>★ Buckle latched securely (test by yanking upward)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>OK</th>
<th>Error</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>CR is not in front of an air bag</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Child's head is supported (at least 1&quot; below top edge of shell or per manufacturer’s instructions)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Straps are in slots at or below shoulders (or lowest available)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CR angle is correct per instructions; for infants, head lies back and keeps airway open</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carry handle is in correct position (Describe position: )</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HOW CR IS INSTALLED**

<table>
<thead>
<tr>
<th>Security of Installation</th>
<th>Attachment system(s) in this seating position—mark all that apply</th>
<th>Available</th>
<th>Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>CR moves less than 1&quot; toward front, sides of car</td>
<td>Lap-only belt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CR moves more than 1&quot;</td>
<td>Lap-shoulder belt</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tether anchor</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lower LATCH bars</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MARK ALL ATTACHMENT ERRORS**

**Vehicle Belt Errors**
- Belt not in correct location on CR
- Slack in belt
- Switchable retractor not locked
- Locking latchplate slips on belt
- Locking clip needed, not used
- Locking clip in wrong location
- Used LATCH and vehicle belt
- Lock-off not used
- Inflatable belt used, not permitted
Other: ____________________________

**Lower LATCH Errors**
- Strap in wrong part of CR
- Slack in strap(s)
- Connector upside down
- Center location, not authorized
- Two connectors on one anchor
- Attached to other metal part
- Attached to fabric
- Child too heavy

**Tether Information**
- CR has tether strap?  Yes  No
- Tether strap  Used  Not used
- Forward-Facing CR Tether
- How attached to CR?  OK  Error
- Tether anchor present?  Yes  No
- How attached to car?  OK  Error
- Slack in tether strap?  Yes  No
- Rear-Facing CR Tether
- Used per instructions  Error

Remove CR from car now.
IDENTIFY AND INSPECT THE CHILD RESTRAINT

Manufacturer’s name ___________________________ ☐ Not found (refer to Color Pictorial)
Model name ___________________________ ☐ Not found (refer to Color Pictorial)
Model # ___________________________ ☐ Not found on CR
Date made ___________________________ ☐ Not found on CR
Visible damage ☐ No ☐ Yes CR history ☐ known ☐ unknown ☐ crash/damage
Recalls, warnings ☐ No ☐ Yes _________________________________
召回, 警告 ☐ No ☐ Yes
召回可修复性? ☐ No ☐ Yes
☒ Circed info on parent’s copy of recall list

Please get LATCH manual and SBS USA summary sheet before continuing!

How the Child left Checkup - CR appropriate for Child
☒ Yes, appropriate CR brought to checkup
☒ No, recommended replace CR
☒ Yes, different CR installed at checkup
(please provide information on bottom of page 4!)

For booster and safety belt, go back to page 4; all others, continue below. Items with * required, even if child is not present.

How the Child left Checkup - Harness
☒ Harness threaded (not just slots) per instructions* Harness straps shortened (loops) ☐ N/A
☒ OK on arrival OR ☐ Corrected by checker ☐ Shoulder straps ☐ Hip Straps ☐ Crotch buckle
Harness slots used ☐ N/A-no-reathread harness Crotch slot used* ☐ Inner/only ☐ Middle ☐ Outer
Slot # (top slot is #1, next lower #2, etc.)* ☐ All strap ends secured, not dangling*

Tether Strap (Check all that apply)
☒ Attached to vehicle per instructions
☒ Not used in final installation (check all that apply)
☒ Tether strap and anchor available, not used
☒ No tether strap on CR
☒ No tether anchor in car; gave parent part # _____________
☒ No tether anchor in car; not available

Unused shoulder belt near child
☒ None ☐ Retractor locked
☒ No retractor

CR contacts front passenger seat
☒ Yes ☐ No

Loose objects discussed
☒ Yes ☐ stowed

Final Harnessing
☒ No slack in webbing (pinch test)
☒ Retainer clip placed properly*
☒ Buckle tested by yanking up*

Have a supervisor check harness threading and sign on pg. 1 before continuing!

Have a supervisor check final installation, review checkup form, and sign on pg. 1 before family leaves!

SafetyBeltSafe U.S.A. 310-318-5111
Child Restraint Checkup Form
#412 (11-29-2016) Pg. 3 of 4
HOW CHILD IN BOOSTER OR SAFETY BELT ARRIVED AT THE CHECKUP

**Type of belt**
- [ ] Lap-only belt
- [ ] Lap-Shoulder belt

**Belt positioning**

- [ ] Booster/Vest
  - [ ] Shoulder belt path
    - [ ] as per instructions
    - [ ] incorrect, describe
  - [ ] Lap belt path
    - [ ] as per instructions
    - [ ] incorrect, describe
- [ ] other attachments used (mark all that apply)
  - [ ] Top Tether
  - [ ] correct
  - [ ] incorrect
  - [ ] Lower LATCH
    - [ ] correct
    - [ ] incorrect
- [ ] non-certified accessory

- [ ] Safety Belt only (no booster)
  - [ ] Shoulder belt fit
    - [ ] correct
    - [ ] incorrect, describe
  - [ ] Lap belt fit
    - [ ] correct
    - [ ] incorrect, describe
  - [ ] other errors, describe:
- [ ] non-certified accessory

Remove booster/vest from car now and go to page 3!

HOW CHILD IN BOOSTER OR SAFETY BELT LEFT THE CHECKUP

* Get assistance and authorization from checkup supervisor before child leaves checkup.

** Locking the shoulder belt on a younger child can prevent entanglement and/or slipping out of position. Check recommendations of both vehicle and child restraint manufacturer.

- [ ] Child arrived in combination seat; harness was removed by checker
- [ ] Booster/vest
- [ ] Lap belt*
- [ ] Lap-shoulder belt
- [ ] Other

**Please fill in items below for child in safety belt OR booster:**

- Child sits all the way back without slouching
  - [ ] Yes
  - [ ] No*
- Shoulder belt touches center of shoulder and chest
  - [ ] Yes
  - [ ] No*
- Shoulder belt snug, straight path from anchor to buckle
  - [ ] Yes
  - [ ] No*
- Lap belt touches upper thighs
  - [ ] Yes
  - [ ] No*
- Lap belt is snug
  - [ ] Yes
  - [ ] No*
- Head is supported by booster or vehicle seatback
  - [ ] Yes
  - [ ] No*

**Items for boosters only:**

- Child’s weight is within limits per instructions
  - [ ] Yes
  - [ ] No*
- Child is at least age 4 and able to sit still w/o 5-pt harness
  - [ ] Yes
  - [ ] No*
- Shoulder belt guide used
  - [ ] Yes
  - [ ] No
  - [ ] Not needed/available
- Shoulder belt locked if needed**
  - [ ] Yes
  - [ ] No
  - [ ] Not needed
- Unused shoulder belt next to child is locked
  - [ ] Yes
  - [ ] No
  - [ ] Not present
- Booster attached with lower LATCH per instructions
  - [ ] Yes
  - [ ] No
  - [ ] Not authorized/available

**Recommendations made to parent:**

- [ ] Caution: shoulder belt guide may prevent belt from retracting
- [ ] Lock shoulder belt on child **
- [ ] Child needs CR with harness

**Other recommendations______________________________________________________________________

Fill out information below if child left in a different safety seat or booster.

Manufacturer ____________________ Model name__________________ Model #________________

Date of manufacture____________________

CR provided by: [ ] Parent
[ ] Sponsoring organization

Donation $_________Authorized by __________

Complete page 3 for seats with harness; this page for boosters.