



**Child Passenger Safety (CPS) Webinar**  
**“Update on Crash Dynamics for CPS:**  
**Rear Impacts and the Influence of Seating Positions”**  
**Quiz and Evaluation Form**

If you would like to obtain one CEU from Safe Kids Worldwide towards your CPST recertification, please complete this quiz and evaluation form, then send them back. Passing the quiz with 8/10 correct and a completed evaluation will enable you to receive a certificate of participation.

**Quiz**

1. In a crash, occupants move towards the location of the impact. True or False?
2. When a child in a rear-facing (RF) car seat is in a rear-impact collision, what best describes what occurs:
  - a. The harness straps hold the child tightly back
  - b. The child’s head, neck and spine are supported by the car seat
  - c. The child’s head snaps forward
3. According to NHTSA (2014), frontal crashes make up approximately what percentage of all crashes in the U.S.?
  - a. 10%
  - b. 20%
  - c. 50%
  - d. 80%
4. What direction of crash impact causes the greatest percentage of injuries to adults sitting in the front seat?
  - a. Frontal crashes
  - b. Side crashes
  - c. Rear crashes
5. What does AIS stand for?
6. In the rear-impact crash testing footage with any of the rear-facing car seats, what parts slowed the rotation of the car seat and absorbed forces? (circle any)
  - a. The car seat’s carry handle
  - b. The vehicle’s head restraint
  - c. The vehicle’s seat cushions and car seat near the child’s feet



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7. True or False: The rear-facing only car seat installed without the base in a rear-impact has its primary interaction/rotation into the top of the back of the vehicle seat cushion.
  
8. Would a HIC value of 350 be a good or bad thing in a child in a crash?
  - a. Good
  - b. Bad
  
9. When a Swedish-style tether was used with the Diono RF car seat and crash-tested with a rear-impact, what took most of the crash load?
  - a. The shell of the seat
  - b. The vehicle seat cushion
  - c. The harness on the child
  
10. What back seat seating position is associated with the lowest injury risk in a crash (even though differences are small)?
  - a. The far side
  - b. The center position
  - c. The near side

**Evaluation of the Webinar**

<b>Please rate the objective or component:</b>	<b>1 – Least to 5 – Most</b>					<b>Comments</b>
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	
Summarize the findings on the re-evaluation of studies on keeping children rear-facing (RF) until age 2.						
Contrast crash forces to dummies facing the front of vehicles (FF) in frontal impacts with the forces to RF dummies in rear-impacts						
Describe the documented injury outcomes to RF children in rear-impacts						
Describe the issues and possible outcomes of side impacts on children sitting in the center versus an outboard position in their car seat.						



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Increased confidence that you can apply your knowledge of crash dynamics and CPS to more effectively communicate with parents at car seat checks.						
Knowledge of the speaker: Julie Mansfield, M.S.						
Relevance of the webinar’s content to you and your work						
Overall quality of the webinar						

What part of the webinar was most useful for you in practice?

What part of the webinar was least useful for you?

What other topics/materials would you like to see covered in future webinars, materials, or trainings?

**Please add me to your database to receive free, periodic updates on child passenger safety.**

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<b>Do you want your certificate EMAILED or MAILED to you?</b>	

**To return this quiz and evaluation form, please:**

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