Webinar: What's New in Booster Research, by Julie Mansfield, PhD 9/14/21

## **Quiz for CPST CEU Credit**

Your Name:	Your email:
1. Which one of these would	never include a booster function: (circle one answer
High backed booster	Heightless booster
Travel vest	Combination seat
3-in-1 seat	Convertible seat

- 2. What are some of the safety features in a vehicle designed to protect adults but likely to also protect children who are appropriately using a booster?
  - a. Seat belts
  - b. Pre-tensioners and load limiters
  - c. Side airbags
  - d. Door frame padding
  - e. Head restraints
  - f. All of the above
- 3. True or false: The Insurance Institute for Highway Safety's (IIHS) Booster Ratings system states that a "best bet" is a booster that gives you the most car seat for the cost.
  - a. True
  - b. False
- 4. True or false: Consumer Report's booster evaluation uses a "movement test" that wiggles the crash test dummy to see if the seat belt stay positioned properly.
  - a. True
  - b. False
- 5. What did Dr Mansfield and the research of Hauschild (2015) say about the effectiveness of the side wings (side sections near the child's shoulders and head) on a high-backed booster?
  - a. They are moderately effective at containing the head
  - b. They work best in purely lateral side impacts
  - c. They are unnecessary for older children's safety
  - d. Their safety hasn't been examined
  - e. Answers a & b

- 6. What is **the best answer** for a CPST to give to a parent who asks, "What booster should I buy?"
  - a. One that is a best bet in the IIHS report
  - b. A high-backed booster
  - c. One that fits the vehicle and the child and is used correctly on each ride
  - d. One that raises the child up to fit the seat belt
- 7. What other information should a CPST collect from a caregiver to help the caregiver determine the most appropriate booster for their child:
  - a. Is the child a new or experienced booster rider?
  - b. Any other passengers in the car?
  - c. Will the booster be moved between vehicles?
  - d. Are you buying one or multiple boosters?
  - e. Will the booster be handed down to other children?
  - f. All of the above
- 8. What was the conclusion reported from Gretchen Baker's research on the "belt gap" sometimes found between the shoulder belt and children's lower torso when using a booster?
  - a. If there is a gap, the child should not use a booster since it is unsafe
  - b. A gap is normal and doesn't cause any problems
  - c. The research and data doesn't indicate the effect of a gap on safety in children
- 9. Which of the following criteria for evaluating booster effectiveness in crash tests is not a current item but Klinich et. al recommends it?
  - a. Amount of head excursion and head injury
  - b. Knee excursion
  - c. The difference between head and knee excursion
  - d. Chest acceleration
- 10. True or false: Some manufacturers allow use of the lower anchors with booster seats to prevent the booster from being a projectile and to stabilize the booster during the child's entry or exit from the seat.
  - a. True
  - b. False

## **Evaluation Questions**

(see next page)

## **Evaluation**

1.	1. How much did you learn from listening to this webinar?										
	(1=lea	st amount, 5=most amount)	Circle one:	1	2	3	4	5			
2.	2. How effective of a speaker was Dr Mansfield?										
	(1 = 1e	east effective; 5 = most effective)	Circle one:	1	2	3	4	5			
3.	Are you a (circle any that apply):										
	a.	CPST- in Maryland									
	b.	CPST - other state/country									
	c.	c. A Maryland emergency medical services provider seeking CEUs.									
		Provider #:		_							
	d.	Other (desc):									
4. What other topics in child passenger safety or occupant protection would you											
like to have as a webinar?											

5. Other comments

Please answer these questions and evaluation items, then scan/send/email back to MIEMSS at **cps@miemss.org** or CPS Healthcare Project, 653 W. Pratt St, Baltimore, MD 21201 or fax: 410-706-3660. You must get 8/10 of the quiz correct to receive a certificate of proof of earning 1.0 CPST credit. If you are Maryland EMS and wish to receive community education credit, please include your provider number above.