

# Procedure

CCHMC Trauma Service Procedure	Procedure Number	TR-20
	Effective Date	8/18/2022
Car Seat Loaner for Special Needs Population	Page	1 of 4

## 1.0 SCOPE

To ensure the safety of CCHMC patients during transportation in a private vehicle who do not currently have an appropriate child restraint system (car seat/booster seat) due to temporary special health conditions

## 2.0 DEFINITIONS

- 2.1 **Dream Ride Car Bed:** Car bed that can be used for an infant who needs to be transported lying down either due to size or special medical condition; used for child weighing 5 – 20 pounds with height of 26 inches or less
  - 2.1.1 Head of child **must** be toward the center of vehicle back seat
  - 2.1.2 Buckle should lie mid-chest
  - 2.1.3 May be used supine (on back) or prone (on stomach)
  - 2.1.4 **Use supine unless medical order to do otherwise**
  - 2.1.5 Some Dream Ride Car Beds have LATCH attachments – read instructions
- 2.2 **Hope Car Bed:** Car bed that can be used to transport children with special medical conditions; used for child weighing 4.5 to 35 pounds with height 13-29 inches (if child's legs permitted to bend, car bed can transport child taller than 29 inches)
  - 2.2.1 Five ways available to secure child into the car bed
    - 2.2.1.1 Small restraint bag with small cummerbund used for patients weighing 4.5 – 10 pounds
      - 2.2.1.1.1 Supine (on back)
      - 2.2.1.1.2 Prone (on stomach) **with physician order**
    - 2.2.1.2 Large restraint bag with large cummerbund used for patients weighing 10 pounds – 35 pounds
      - 2.2.1.2.1 Supine (on back)
      - 2.2.1.2.2 Prone (on stomach) **with physician order**
    - 2.2.1.3 Side-facing small restraint bag with small cummerbund used for patients weighing 4.5 – 10 pounds **with physician order**
    - 2.2.1.4 Side-facing large restraint bag with large cummerbund used for patients weighing 10 pounds – 35 pounds **with physician order**
    - 2.2.1.5 Three-point harness with cummerbund used for patients weighing 10 pounds – 35 pounds
      - 2.2.1.5.1 Supine (on back)
      - 2.2.1.5.2 Prone (on stomach) **with physician order**
    - 2.2.1.6 Both zippers in restraint bag must be fully closed
  - 2.2.2 Two vehicle belts must be used to secure the car bed into vehicle; **never** use the seat belt behind driver
  - 2.2.3 Leveling wedge or leveling straps may be used to level the car bed onto vehicle seat if needed
- 2.3 **Wallenberg:** Convertible seat used primarily for children in hip spica casts or braces who cannot bend at the waist in a traditional car seat. Available only through Trauma Services (803-RIDE)
  - 2.3.1 Used Rear Facing for patients weighing 5 – 40 pounds *including weight of cast*; must have at least 1 inch of car seat shell above child's head, use harness slot at or below shoulders; must be reclined
  - 2.3.2 Forward Facing for patients weighing 25-80 pounds and less than 60 inches, use harness slot at or above shoulders, top of ears must be no higher than top of restraint
- 2.4 **Modified Vests:** Used for children that cannot ride in a traditional or special needs car seat sitting up; child uses Modified Vest to lay on vehicle seat lengthwise when being transported
  - 2.4.1 Three sizes available:
    - 2.4.1.1 X-small: at least 1 year old; 22 – 106 pounds with chest 18 – 24 inches
    - 2.4.1.2 Small: at least 1 year 22-106 pounds with chest 23 – 29 inches
    - 2.4.1.3 Medium: at least 1 year 22-106 pounds with chest 28-34
  - 2.4.2 Passenger must fit on the vehicle seat lengthwise
  - 2.4.3 Extremity belt **must** be used to secure casted or uncasted legs

# Procedure

<b>CCHMC Trauma Service Procedure</b>	<i>Procedure Number</i>	<b>TR-20</b>
	<i>Effective Date</i>	8/18/2022
<b>Car Seat Loaner for Special Needs Population</b>	<i>Page</i>	1 of 4

- 2.4.3.1 If one leg casted, wrap around casted leg only. This leg **must** be against back of the seat.
- 2.4.3.2 If both legs casted, or no legs casted, wrap around both legs
- 2.4.4 Vest **must** use 3 vehicle belts to secure
- 2.4.5 Video is available via Trauma eChirp and MyChart Bedside
- 2.5 **Roosevelt:** Forward-facing only seat for children with special health needs; this car seat **is** certified for use on aircraft. Available only through Trauma Services (803-RIDE)
  - 2.5.1 Use only with children who weigh between 35 – 115 pounds, and whose height is between 33.5 – 62 inches
  - 2.5.2 For children weighing more than 48 pounds, install car seat using seat belts, not LATCH
  - 2.5.3 Children weighing 65 pounds or less **must** use tilt bar
- 2.6 **Ride Safer Travel Vest:** Forward-facing only vest available in three sizes – small, large and extra large; this vest **is not** certified for use on aircraft. Available only through Trauma Services (803-RIDE)
  - 2.6.1 Small vest for children who weigh between 30 – 60 pounds, and whose height is between 35 – 48 inches
  - 2.6.2 Large vest for children who weigh between 50 – 80 pounds, and whose height is between 45 – 57 inches
  - 2.6.3 Extra Large vest for children who weigh between 80-110 pounds, and whose height is between 55-64 inches

<b>CCHMC Trauma Service Operation Manual Procedure</b>	<i>Procedure Number</i>	<b>TR-20</b>
	<i>Effective Date</i>	8/18/22
<b>Car Set Loaner for Special Needs Population</b>	<i>Page</i>	3 of 4

- 2.6.4 Vest must fit snugly around chest, and bottom of vest must contact top of child's thighs when sitting
- 2.6.5 **Can** be used with lap belt only, but tether **must** be used; **if over 60 pounds, double tether must be used**
- 2.6.6 Must use lap belt positioners when lap only belt used; must use both lap and shoulder belt positioners when lap/shoulder belt used (see instructions)
- 2.6.7 Do not use in a seating location in which the top of the vehicle seat is below the top of child's ears

## 3.0 PROCEDURES

- 3.1 **CCHMC staff member on patient's care team identifies that family may not have appropriate car seat for patient because patient is unable to use own car seat/seat belts due to short term medical condition**
  - 3.1.1 CCHMC provides seats for short term loan only; equipment must returned to CCHMC, or caregiver/parent is responsible for replacement cost
- 3.2 **Request car seat/bed/vest and assistance**
  - 3.2.1 **If 10 am – 4 pm, Monday through Friday (excluding CCHMC holidays),** please complete the *Car Seat Screen* within the *Discharge Planning* section of the *Admission Navigator* (or the corresponding flowsheet) in Epic to request car seat and assistance upon patient admission. Once this has been completed, an In-basket message will be sent to the team of certified child passenger safety technicians (CPSTs) who will respond to the request.
  - 3.2.2 **If weekend, CCHMC holiday, or after 4 pm,** the request for assistance will be addressed on the following business day.

# Procedure

<b>CCHMC Trauma Service Procedure</b>	<i>Procedure Number</i>	TR-20
	<i>Effective Date</i>	8/18/2022
<b>Car Seat Loaner for Special Needs Population</b>	<i>Page</i>	1 of 4

- 3.2.2.1 For A3N or ED patients, please proceed with current unit procedures should patient be discharged during this time in a Spica or Petrie cast
  - 3.2.2.1.1 For patients over 1 year of age and 22 pounds refer to *EzOn Vest Education Guide* on Trauma eChirp for direction
  - 3.2.2.1.2 For patients under 1 year old and/or 22 pounds contact the designated Trauma Core nurse and refer to the *Wallenberg Procedure Guide* on Trauma eChirp for direction
- 3.2.3 **If car bed may be necessary, please reference TR-16 Car Seat Tolerance Screening and Car Bed Use**
- 3.3 **CCHMC staff member identified in 3.2 selects appropriate car seat (see definitions above)**
- 3.4 **CCHMC staff member identified in 3.2 provides education to parent/guardian**
- 3.5 **CCHMC staff member identified in 3.2 distributes seat and completes documentation**
  - 3.5.1 Distribute special needs loaner seat to family
  - 3.5.2 Complete all fields of the *Special Needs Loan Agreement Form* in the attached car seat packet
    - 3.5.2.1 If available, place a patient sticker in the upper right corner of the original and yellow copies of the form
    - 3.5.2.2 Form must be signed/dated by caregiver and staff
    - 3.5.2.3 Place Original page of *Special Needs Loan Agreement Form* into the patient's medical record; Yellow copy should be placed into the provided envelope and mailed back to Trauma Services (MLC 3019); Pink copy should be given to the caregiver
    - 3.5.2.4 The additional packet materials include the loaner seat instruction manual and educational pieces on proper methods of installation
  - 3.5.3 **Note: CCHMC staff members (excluding CPST's with appropriate training) DO NOT assist with installation of car seats into vehicles.**

## 4.0 REFERENCES

- 4.1 "Selecting and Using the Most Appropriate Car Safety Seats for Growing Children: Guidelines for Counseling Parents," *Pediatrics* Vol. 109, No. 3, April 2002; pgs 550 – 553
- 4.2 National Highway Traffic Safety Administration *Fatality Analysis Reporting System* online at [www.nhtsa.gov](http://www.nhtsa.gov)
- 4.3 "Car Safety Seats: Information for Families for 2010" *American Academy of Pediatrics* April 12, 2010
- 4.4 Ohio Revised Code Section 4511.81
- 4.5 "Children with Special Physical Health Care Needs: Restraint Use and Injury Risk in Motor Vehicle Crashes," *Maternal and Child Health Journal*, November 10, 2009

## 5.0 APPROVALS

The Comprehensive Children's Injury Center (CCIC) with Trauma Services and appropriate content experts will periodically review and update this procedure as appropriate. Procedures will be reviewed at least every 3 years. Questions regarding this procedure shall be directed to, and authority over this procedure shall vest with, the CCIC/Trauma Services Program Manager.

REVISION HISTORY	
<b>Original Date</b>	1/00
<b>Revision Date</b>	6/05, 11/10, 7/17, 5/18, 9/19, 8/22
<b>Review Date</b>	

