

REGION 11 CHICAGO EMS SYSTEM POLICY

Title: Trauma Patient Destination

Section: Transportation

Approved: EMS Medical Directors Consortium

Effective: December 1, 2020

TRAUMA PATIENT DESTINATION

I. Region 11 EMS uses a four step trauma field triage decision scheme (reference attachment 1) to identify injured persons requiring transportation directly to a trauma center. The four steps are:

Step 1: Physiologic Criteria

Step 2: Anatomic Criteria

Step 3: Mechanism of Injury Criteria Step 4: Special Consideration Criteria

A. Adult Trauma Transports

 Region 11 EMS defines the adult trauma patient as an injured person aged 16 years and older. Adult patients meeting trauma criteria using the decision scheme should be transported to the closest Level I trauma center. Scene time should be kept to a minimum.

B. Pediatric Trauma Transports

- 1. Region 11 EMS defines the pediatric trauma patient as an injured person aged 15 years or less. Pediatric patients meeting trauma criteria using the decision scheme should be preferentially transported to the closest Pediatric Level I trauma center.
- 2. If the transport time to the closest Pediatric Level I trauma center is anticipated to be greater than 25 minutes, the patient should be transported to the closest Level I trauma center. Scene time should be kept to a minimum.

Attachments:

- 1. Region 11 Trauma Field Triage Criteria
- 2. Region 11 Trauma Transport Adult and Pediatrics

Transport to the closest appropriate

Trauma Center¹

Transport to the closest appropriate

Trauma Center

Transport to the closest appropriate

Trauma Center¹

YES

YES

YES

REGION 11 CHICAGO EMS

REGION 11 TRAUMA FIELD TRIAGE CRITERIA

Measure vital signs and level of consciousness

STEP 1

Glasgow Coma Scale ≤ 13

Systolic Blood Pressure ≤ 100 mm Hg for Adults

≤ 80 for children ≥ 1 year old ≤70 for children < 1 year old

Respiratory Rate <10 or >29 breaths/minute in adults and children ≥ 1 year old

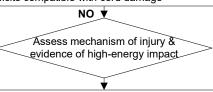
<20 breaths/minute in infant aged <1 year

Need for ventilatory support



STEP 2

- All penetrating injuries to head, neck, torso and extremities proximal to elbow or knee
- Chest wall instability or deformity (e.g., flail chest)
- Two or more proximal long-bone fractures
- Crushed, degloved, mangled, or pulseless extremity
- Amputation or partial amputation proximal to wrist or ankle
- Any traumatic injury requiring tourniquet application
- Pelvic fractures
- Open or depressed skull fracture
- Motor or sensory deficits compatible with cord damage



STEP 3

Falls

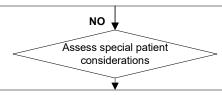
Adults: >20 feet (one story is equal to 10 feet)

Children: >10 feet or two or three times the height of the child

· High-risk auto crash

Intrusion, including roof: >12 inches occupant site; >18 inches any site Ejection (partial or complete) from automobile Death in same passenger compartment Vehicle telemetry data consistent with a high risk of injury

- · Auto vs. pedestrian/bicyclist thrown, run over, or with significant impact
- Motorcycle crash



STEP 4

• Older adults

Risk of injury/death increases after age 55 years SBP <110 might represent shock after age 65 years Low impact mechanism (e.g. ground level falls) might result in severe injury

Children

Should be preferentially triaged to a Level I Pediatric Trauma Center If transport time exceeds 25 minutes transport to the closest Trauma Center

Anticoagulants and bleeding disorders

Patients with head injury are at high risk for rapid deterioration

• Burns

Without other traumatic mechanism: triage to closest comprehensive ED With traumatic mechanism: triage to trauma center

- Pregnancy > 20 weeks should be preferentially transported to a Level 1 Trauma Center with obstetric capabilities
- EMS provider or base station judgment



Transport to closest comprehensive Emergency Department and contact Medical Control

YES

Transport to the closest appropriate hospital <u>OR</u> Trauma Center¹ AFTER consultation with Medical Control

Copyright 2020 Chicago Region 11 EMS Medical Directors Consortium



REGION 11 CHICAGO EMS SYSTEM POLICY

Title: Trauma Patient Destination

Section: Transportation

Approved: EMS Medical Directors Consortium

Effective: December 1, 2020

Attachment 2

REGION 11 TRAUMA TRIAGE ADULT AND PEDIATRICS

(Peds = less than 16 years old)

I. Level I Trauma Centers:

Advocate Christ Medical Center
Advocate Illinois Masonic Medical Center
Advocate Lutheran General Hospital
Ascension Saint Francis Hospital
John H. Stroger Hospital of Cook County
Loyola University Medical Center
Mount Sinai Hospital
Northwestern Memorial Hospital
UChicago Medicine

II. Pediatric Level I Trauma Centers:

Ann & Robert H. Lurie Children's Hospital of Chicago John H. Stroger Hospital of Cook County UChicago Medicine - Comer Children's Hospital

Updated: 4/6/22