

Trauma Field Triage Criteria and Point-Of-Entry Plan for Adult and Pediatric Patients

Traumatic Incident

Preconfigured response initiated/appropriate pre-arrival instructions given based on Local EMD

Perform Primary Survey
1) Does the patient have:

- Uncontrolled airway?
- Cardiopulmonary arrest?

Yes

IMMEDIATE LIFE THREATENING

Immediate transport to Nearest Hospital

No

2) Does the patient have:

- Sustained unconsciousness, decreasing level of consciousness, or GCS \leq 13
- Severe respiratory distress (rate $<$ 10 or $>$ 29 bpm) or respiratory rate out of range for age? (see next page for pediatric)
- Flail Chest?
- Systolic blood pressure $<$ 90 in adults, or $<$ 70-90 in pediatrics? (see next page)
- Open or depressed skull fractures?
- Penetrating trauma to head, neck, torso, or extremities proximal to elbow and knee?
- Tender or rigid abdomen?
- Pelvic fractures (excluding simple fractures)
- Paralysis or motor/sensory deficit?
- Two or more proximal long bone fractures, or any open proximal long bone fracture?
- Amputations with the exception of distal digits?
- Critical burns? (see note)

Yes

CRITICAL TRAUMA

Transport to:

- If $<$ 20 minutes by ground, transport to a level 1 or 2 trauma center (level 1 or 2 pediatric trauma center).
- If $<$ 20 minutes by ground from a level 3 trauma center and no level 1 or 2 (level 1 or 2 pediatric trauma center) within 20 minutes, transport to a level 3 and/or consider aeromedical if available.
- If $>$ 20 minutes by ground to a level 1 or 2 or 3 trauma center, activate aeromedical if available.
- If $>$ 20 minutes by ground to a level 1, 2 or 3 trauma center and no aeromedical available, transport to nearest system hospital.

At all times contact Medical Control re: Destination is encouraged

No

3) Is there evidence of mechanism of injury and/or high energy impact?

- Ejection from the vehicle
- Death in same passenger compartment
- Extrication time $>$ 20 Minutes
- Falls $>$ 15 feet, or $>$ 3 times child's height
- High speed crash
- Auto vs. pedestrian or auto vs. bicycle with significant impact
- Pedestrian thrown or run over
- Motorcycle crash $>$ 20 mph or with separation of rider from bike
- Near drowning

Yes

Consider Medical Control re: Destination hospital. **

Transport to Level 1, 2 or 3 Trauma Center if no medical control. If $>$ 20 minutes away, go to closest System Hospital.

No

Transport to the closest appropriate System Hospital

Interfacility Transfer as Necessary

** At all times, EMS providers are encouraged to contact medical control for direction in triage of trauma patients.

- Do the following co-morbidity factors exist?
- Age $<$ 5 or $>$ 70
 - Cardiac or respiratory disease
 - Pregnancy
 - Insulin dependent diabetes, cirrhosis, or morbid obesity
 - Immunosuppressed
 - Bleeding disorder or currently taking anticoagulants

CRITICAL BURNS

- Partial thickness burns $>$ 10% BSA
- Extensive burns involving face, genitalia, perineum
- 3rd degree burns in any age group
- Electrical burns, including lightning injury
- Chemical burns
- Inhalation burns
- Any burn in combination with trauma

GLASGOW Coma Scale

INFANTS & TODDLERS			CHILDREN'S & ADULTS		
EYE OPENING	Spontaneous	4	EYE OPENING	Spontaneous	4
	To Voice	3		To Voice	3
	To Pain	2		To Pain	2
	None	1		None	1
BEST VERBAL RESPONSE	Smiles, Interacts	5	BEST VERBAL RESPONSE	Oriented	5
	Consolable	4		Confused	4
	Cries to Pain	3		Inappropriate Words	3
	Moans to Pain	2		Incomprehensible Words	2
	None	1		None	1
BEST MOTOR RESPONSE	Normal spontaneous movement	6	BEST MOTOR RESPONSE	Obeys Commands	6
	Localizes Pain	5		Localizes Pain	5
	Withdraws to Pain	4		Withdraws (Pain)	4
	Abnormal Flexion	3		Flexion (Pain)	3
	Abnormal Extension	2		Extension (Pain)	2
	None	1		None	1

PEDIATRIC VITAL SIGNS (Pediatric is < age 15, adolescent is age15-18)

Age in Years	Weight in Kg	Respiratory Rate	Heart Rate	Systolic Blood Press.
Newborn	3-5	30-60	100-160	60-80
6 mos.	7	25-40	90-120	80-100
1 yr.	10	20-30	90-120	80-100
18 mos.	12	20-30	80-120	80-110
3 yrs.	15	20-30	80-120	80-110
5 yrs.	20	18-24	70-110	80-110
6 yrs.	20	18-24	80-100	80-110
8 yrs.	25	18-24	70-110	80-110
10 yrs.	30	16-20	70-110	80-110
12 yrs.	40	16-20	60-110	90-120
14 yrs.	50	16-20	60-105	90-120
16 yrs.	60	16-20	60-80	80-120
18 yrs.	70	16-20	60-80	80-120