

APPENDIX: 16

TITLE: Trauma Priority Patients

Revised: March 1, 2020

Trauma Priority Criteria for Field Providers

General Comments:



- The following criteria are based off Idaho Trauma Triage Guidelines (V4.0) published November 2019. This appendix supplements protocol G-03 Hospital Destination Protocol
- **Child**/Pediatric Definition: ≤ 14 years of age
- **Priority 3 patients:** Priority 3 criteria alone does not mandate transfer to the trauma center. The purpose of allowing medic discretion is to encourage initial triage of patients potentially requiring hospital admission to an appropriate receiving center and to give the provider a way to alert the hospital they are bringing in a trauma patient needing immediate evaluation.

Consider UPGRADING one level if:



- **Child**/Pediatric: age ≤ 14 yrs
- Adult: age ≥ 65 yrs
- Significant co-morbidities
- Anti-coagulation **other** than Aspirin
- Hypothermia/Hyperthermia
- EMS PROVIDER DISCRETION

Priority 1 Activation

Airway/Breathing

- **Actual** or **potential** airway compromise:
 - Acute Hypoxia
 - RR < 10 or > 29 (adult)
 - Severe maxillofacial injuries
- Intubated/Supraglottic Airway/BVM
- Suspected inhalation injury

MOI/Event/Injuries/Findings

- Penetrating injury to head, neck, or torso
- High voltage electrical injury
- Bilateral femur fractures
- Complete amputation above the wrist or ankle
- Open skull fracture
- **Child:** Flail chest/Pelvic fracture/Pulseless extremity



Circulation/Shock

- CPR by medical provider
- Hypotension:
 - Adult: SBP < 90 mmHg, HR > 130
 - **Child SBP:**
 - Age 1-9yrs: SBP $\leq 70 + (2x \text{ age in years})$
 - Age < 1 yr: SPB ≤ 70 mmHg
 - **Child HR:**
 - Child HR: 0-12mths: > 180 or < 80 bpm
 - ≥ 12 mths-5yrs: > 160 or < 60 bpm
 - 6-10yrs: > 140 or < 60 bpm
 - ≥ 11 yrs: > 120 or < 60 bpm



Disability

- GCS ≤ 12 *attributable to trauma*
- *Bilateral* extremity paralysis or suspected spinal cord injury

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Priority 2 Activation**MOI/Event/Injuries/Findings**

- Penetrating injury **proximal** to elbow/knee
- Unilateral motor deficit
- 2 or more broken extremities (any)
- Application of a tourniquet
- Open or displaced pelvic fracture
- Open femur or humerus fracture
- Crushed or mangled extremity
- Flail chest and/or palpable crepitus
- Burn involvement of face, airway, hands, feet, genitalia;

ORAdult: $\geq 20\%$ TBSA**Child:** $\geq 10\%$ TBSA

- Pregnant (≥ 20 wks) **with** vaginal bleeding
- Submersion *with* traumatic mechanism

Priority 3 Activation**Event/Injuries/Findings**

- Penetrating injury **distal** to elbow/knee
- Closed isolated femur fracture
- Loss of consciousness after injury
- GCS 13-14 **after** injury
- Pregnant (≥ 20 wks) **without** vaginal bleeding
- Burn:

Adult: $\leq 20\%$ TBSA**Child:** $\leq 10\%$ TBSA

- Amputation of one or more digits
- Sensory deficit of an extremity

Mechanisms/ MOI/

- Motor vehicle crash with death of co-occupant
- Broken/bent steering wheel
- Rollover
- Extrication time > 20 minutes
- > 12 " intrusion into occupant space
- Non-enclosed transport accident > 20 mph
- Ejection from enclosed vehicle
- Motor vehicle vs. pedestrian/bike
- Fall 2x patient's height
- Significant animal-related injury

TSE Field Trauma Triage Guidelines

<p>Priority 1 (Focus: Physiology)</p> <p>Airway/Breathing</p> <ul style="list-style-type: none"> Actual or potential airway compromise: Acute Hypoxia RR < 10 or > 29 (adult) Serve maxillofacial injuries Intubated/Supraglottic Airway/BVM Suspected inhalation injury <p>Event/Injuries/Findings</p> <ul style="list-style-type: none"> Penetrating injury to head, neck, or torso High voltage electrical injury Bilateral femur fractures Complete amputation above the wrist or ankle Open skull fracture Child: Flail chest/Pelvic fracture/Pulseless extremity <p>Circulation</p> <p>CPR by medical provider</p> <p>Hypotension:</p> <ul style="list-style-type: none"> Adult: SBP < 90mmHg, HR > 130 Child: Age 1-9yrs: SBP ≤ 70 + (2x age in years) Age < 1yr: SPB ≤ 70mmHg Child HR: 0-12mths: > 180 or < 80bpm ≥ 12mths-5yrs: > 160 or < 60bpm 6-10yrs: > 140 or < 60bpm ≥ 11yrs: > 120 or < 60bpm <p>Any patient receiving blood/vasopressors</p> <p>Disability</p> <ul style="list-style-type: none"> GCS ≤ 12 attributable to trauma Bilateral extremity paralysis or suspected spinal cord injury 	<p>Priority 2 (Focus: Anatomy)</p> <p>Event/Injuries/Findings</p> <ul style="list-style-type: none"> Penetrating injury <u>proximal</u> to elbow/knee <u>Unilateral</u> motor deficit 2 or more broken extremities (any) Application of a tourniquet Open or displaced pelvic fracture Open femur or humerus fracture Crushed or mangled extremity Flail chest and/or palpable crepitus Burn involvement of face, airway, hands, feet, genitalia: OR Adult: ≥ 20% TBSA Child: ≥ 10% TBSA Pregnant(≥ 20wks) with vaginal bleeding Submersion with traumatic mechanism <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>*Pediatric is considered age ≤ 14yrs</p> </div> <p>Consider UPGRADING one level if:</p> <ul style="list-style-type: none"> Pediatric: age ≤ 14yrs Adult: age ≥ 65yrs Significant co-morbidities 	<p>Priority 3 (Focus: Mechanism)</p> <p>Event/Injuries/Findings</p> <ul style="list-style-type: none"> Penetrating injury <u>distal</u> to elbow/knee Closed isolated femur fracture Loss of consciousness after injury GCS 13-14 after injury Pregnant(≥ 20wks) without vaginal bleeding Burn: Adult: ≤ 20% TBSA Child: ≤ 10% TBSA Amputation of one or more digits Sensory deficit of an extremity <p>Mechanisms</p> <ul style="list-style-type: none"> Motor vehicle crash with Death of co-occupant Broken/bent steering wheel Rollover Extrication time > 20 minutes > 12" intrusion into occupant space Non-enclosed transport accident > 20mph Ejection from enclosed vehicle Motor vehicle vs. pedestrian/bike Fall 2x patient's height Significant animal-related injury <ul style="list-style-type: none"> Anti-coagulation other than Aspirin Hypothermia/Hyperthermia <p>EMS DISCRETION</p>
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