

# Trauma Activation Criteria

## Trauma Stat:

- Any penetrating injury to head, neck, trunk, back, flanks, axilla, or groin
- Respiratory difficulty as evidenced by one or more of the following:
  - Significant increase or decrease in respiratory rate
  - Significant retractions or grunting
  - Patient intubated prior to arrival
  - Unable to maintain or difficult airway
- Tachycardia and / or poor perfusion or unexplained tachycardia (no significant pain or crying as a source)
- Hypotension
- Blood given prior to the patient's arrival
- 40 mL/kg bolus given prior to arrival
- Glasgow Coma Score (GCS)  $\leq 8$
- GCS deterioration by 2
- Hypothermic arrest

## OR Resuscitation:

- Full arrest with pre-hospital signs of life following a non-cranial, penetrating chest, abdominal, back, flank, axilla or groin injury
- Penetrating injury unresponsive to 40 mL/kg fluid administration
- At the discretion of the ED and surgical attending

## Trauma Alert:

- Evidence of abdominal injury on physical exam
  - Abdominal tenderness upon palpation
  - Abdominal bruising or seatbelt mark
  - Without hemodynamic compromise
- GCS 9 – 13
- Spinal cord injury with neurologic deficit
- Two or more proximal long bone fractures
- Ejection from automobile
- Partial or full thickness burn of  $\geq 10\%$  TBSA
- Significant vascular injury including amputation of limb proximal to wrist or ankle
- Tourniquet application prior to arrival
- Emergency Department discretion

## Normal Vital Signs Table

Modified from PALS 2016

	Heart Rate	Respiratory Rate	Systolic Blood Pressure
<b>Infant (1 – 12 month)</b>	90 – 180	30 – 53	>70
<b>Toddler (1 – 2 years)</b>	80 – 140	22 – 37	>70
<b>Preschool (3 – 5 years)</b>	65 – 120	20 – 28	>80
<b>School-Age (6 – 12 years)</b>	58 – 118	18 – 25	>85
<b>Adolescent (12+ years)</b>	50 - 100	12 - 20	>90

## Trauma Evaluation

- Mechanism of Injury
  - Motor vehicle collision
  - Struck or run over by motor vehicle (pedestrian or bike)
  - Fall greater than 5 feet or 2x patient's height (whichever is smaller)
  - Any mechanism deemed to place the patient at risk for multi-system injury
- Head injury with GCS  $\geq 14$  **AND** any of the following:
  - LOC of more than 5 seconds
  - Multiple episodes of vomiting
  - Severe headache
  - Altered mental status
  - Signs of basilar skull fracture (i.e., bruising around eyes or behind ears)
- Any patient immobilized with a backboard and/or cervical collar
- Partial or full thickness burn between 5% and 9% TBSA
- Any burn less than 5% requiring immediate pain management
- GSW (non-BB) to an extremity

*\*The trauma team should be activated for any patient who meets criteria regardless of prior evaluation at an outside facility\**