

## **PRE-HOSPITAL**

EMS Scene Time > 20 Minutes	
Definition	The time calculated between the time the unit transporting to your hospital arrived at the scene and the time the unit transporting to your hospital left the scene.
Exceptions	"Not Applicable" is used for patients who were not transported by EMS.
Data Source Guide	EMS Run Report

## **EMERGENCY DEPARTMENT**

Trauma Activation	Criteria Met-Team Not Activated
Definition	Patient meets facility's activation criteria and the trauma team was not activated.
Exceptions	None
	EMS Run Report
	ED Triage/Trauma Flow Sheet
Data Source Guide	Nursing Notes
	Physician Notes
	Telemedicine Documentation
Backboard Remov	al > 20 minutes
Definition	The backboard removal time is calculated as the minutes from the "ED/Acute Care
	Admission Time" to the documented time the backboard is removed.
Exceptions	"Not Applicable" is used for patients who were not on a backboard.
	EMS Run Sheet
Data Course Cuide	ED Triage/Trauma Flow Sheet
Data Source Guide	Nursing Notes
	Telemedicine Documentation
<b>Designated Provid</b>	er at Patient's Side > 30 Minutes
	The designated provider is present in the ED within 30 minutes of notification. The
Definition	response time is calculated as the minutes from the "notification" to the "trauma team
Definition	member arrived time." If trauma team is activated after patient arrival, the provider is
	expected to respond within 30-minutes of notification.
Exceptions	If provider is notified greater than 30 minutes prior to patients expected arrival provider
	will be present in the ED prior to patient's arrival.
	ED Triage/Trauma Flow Sheet
Data Source Guide	Nursing Notes
Dutu Source Guide	Physician's Notes
	Telemedicine Documentation
Decision to transfe	er > 15min
	For patients presenting to a trauma center meeting facility defined transfer criteria for
Definition	early transfer, the decision to transfer time is documented as greater than 15 minutes
	after patient arrival.
Exceptions	If indicator for transfer is identified during assessment or within diagnostics results, the
Exceptions	decision to transfer time is documented within 15 minutes of identified finding.
	*Decision to transfer may be made prior to arrival if appropriate.
	ED Triage/Trauma Flow Sheet
Data Source Guide	Nursing Notes
	Physician's Notes
	Telemedicine Documentation

I/O Documentation Missing		
Definition	Intake and output is not documented.	
Exceptions	None	
Data Source Guide	Triage/Trauma Flow Sheet Nursing Notes/Flow Sheet Anesthesia Record ICU Flow Sheet Telemedicine Documentation	

## **HOSPITAL PROCEDURES**

> 1 Liter Crystalloi	d Given Before Blood Products Started
Definition	Adult: Greater than 1 liter of fluid given before blood products were introduced. This
Definition	includes a total of all fluids including those given by EMS.
Exceptions	Pediatrics: Greater than 20ml/kg fluid given before blood products were introduced for
	patients weighing < 40kg. This includes a total of all fluids including those given by EMS.
Data Source Guide	EMS Run Report
	ED Triage/Trauma Flow Sheet
	Nursing Notes
	Physician's Notes
	Telemedicine Documentation
	Anesthesia Record
CT Chest/Abd/Pelv	vis Without Contrast
	CT chest, abdomen, and/or pelvis performed without IV contrast. Clinical decision making
Definition	for lack of CT contrast should be documented and included in the performance
	improvement review.
Exceptions	None
	ED Triage/Trauma Flow Sheet
	Nursing Notes
Data Source Guide	Physician's Notes
Data Source Guide	Procedure Notes
	Telemedicine Documentation
	Radiology Reports
<b>CT Performed Afte</b>	r Decision to Transfer Has Been Made
Definition	CT was performed after the decision to transfer for further trauma care was documented.
5	Patients transferred for non-trauma care such as the care of a medical or mental health
Exceptions	condition, for palliative care, or evaluation and placement for a living situation.
	ED Triage/Trauma Flow Sheet
	Nursing Notes
Data Course Cuide	Physician's Notes
Data Source Guide	Procedure Notes
	Telemedicine Documentation
	Radiology Reports
CT Scan Done on P	ediatric Case = 16 Years</th
Definition	CT scan performed on pediatric case = 16 years. Clinical decision making for performing</th
Definition	CT scan should be documented and included in the performance improvement review.
Exceptions	None
	ED Triage/Trauma Flow Sheet
	Nursing Notes
Data Source Guide	Physician's Notes
	Procedure Notes
	Telemedicine Documentation
	Radiology Reports
	Provider Note

<b>CT</b> Without Portab	CT Without Portable Chest X-Ray		
Definition	CT was performed prior to a chest X-ray.		
Exceptions	None		
Data Source Guide	ED Triage/Trauma Flow Sheet Nursing Notes Physician's Notes Procedure Notes Telemedicine Documentation Radiology Reports		
GCS = 8 and NO</th <th></th>			
Definition	At any point in the patient's care the Glasgow Coma Scale (GCS) was = 8 and the patient was not intubated.</th		
Exceptions	Advanced directive limiting care		
Data Source Guide	EMS Run Sheet ED Triage/Trauma Flow Sheet Nursing Notes Physician's Notes Procedure Notes Telemedicine Documentation ICU Flow Sheet		
Hemothoray or Pn	eumothorax Diagnosed and Chest Tube NOT Placed		
Definition	Patients with evidence of hemothorax or pneumothorax without a chest tube placed during the trauma encounter. Evidence can include imaging, physician suspicion, or symptoms. Clinical decision making for not placing chest tube with evidence of hemothorax or pneumothorax should be documented and included in the PI review.		
Exceptions	None		
Data Source Guide	ED Triage/Trauma Flow Sheet Nursing Notes Physician's Notes Procedure Notes Telemedicine Documentation Operative Reports ICU Flow Sheet		
Hypothermic (< 97	°) Without Warming Measures		
Definition	Patients with a temperature of < 97° and no warming measures were applied. Measures can include warm blankets and fluid, warmed trauma bay, forced air warmer, and/or radiant heat.		
Exceptions	None		
Data Source Guide	ED Triage/Trauma Flow Sheet Nursing Notes Physician's Notes Telemedicine Documentation Operative Reports ICU Flow Sheet		

# **OUTCOMES**

Death and Autopsy Not Requested		
Definition	Trauma patients that expire in the care of your hospital and an autopsy is not requested. (The role of autopsy is to evaluate missed injury after traumatic death.)	
Exceptions	None	
Data Source Guide	Physician's Notes	
	Post Mortem Flow Sheet	
	Death Record	

#### **Resources**

South Dakota Trauma Treatment Manual: *Guidelines for the Treatment of Trauma in Level IV and V Trauma Centers* <u>https://doh.sd.gov/documents/Providers/Trauma/TreatmentGuidelines.pdf</u>

Eastern Association for the Surgery of Trauma (EAST) Practice Management Guidelines <u>https://www.east.org/education/practice-management-guidelines</u>

Rural Trauma Team Development Course (RTTDC) https://www.facs.org/quality-programs/trauma/education/rttdc

Advanced Trauma Life Support (ATLS) https://www.facs.org/quality-programs/trauma/atls

Trauma Nursing Core Course (TNCC https://www.ena.org/education/tncc

National Trauma Data Standard 2020 Data Dictionary https://www.facs.org/quality-programs/trauma/tqp/center-programs/ntdb/ntds/data-dictionary

Resources for Optimal Care of the Injured Patient Orange Book, Committee on Trauma, American College of Surgeons https://www.facs.org/~/media/files/quality%20programs/trauma/vrc%20resources/resources%20for%20optimal %20care.ashx

Trauma Care After Resuscitation (TCAR) <a href="https://tcarprograms.visionem.org/">https://tcarprograms.visionem.org/</a>

Trauma Outcomes and Performance Improvement Course <a href="https://www.traumanurses.org/topic">https://www.traumanurses.org/topic</a>