TRAUMA ACTIVATION TRANSPORT

Desired Outcome	All patients who need and accept medical care related to a Trauma Alert are transported to an appropriate trauma specialty care facility.
Standard	≥ 90% Patients with EMS identified Trauma Alert will be transported to appropriate specialty care facility or have documented reason for exception.
Acceptable Quality Level	Performance may not fall more than 3% for more than two consecutive months or any three months in a year.
Monitoring Method	Run Chart updated by 10th business day each month.

MEASURE DESCRIPTION

Indicator Description	This indicator measures the percentage of patients who are experiencing a traumatic injury meeting American College of Surgeons trauma criteria and accept care by EMS who are transported to a trauma center.
Question Indicator Answers	What is the percentage of patients who are experiencing a serious injury and accept care by EMS are taken to a trauma center?
Patient / Customer Need	Seriously injured patients – i.e. those that meet ACS Trauma Guidelines – benefit from rapid surgical assessment and intervention where indicated. EMS personnel enhance patient outcomes by transporting these patients to system-designated trauma centers.
Type of Measure	Intermediate Outcome
Objective	All patients who need and accept medical care related to traumatic injury are transported to a trauma center.
Data Provided By	Clinical Performance Management
Reporting Values	Percentage of patients documented as meeting trauma activation criteria who are transported to an appropriate receiving facility.
Limitations	This indicator is limited to those patients contacted by ATCEMS outside a clinical setting.
Notes	"Trauma Activation" is the term used by ATCEMSS to indicate patients who meet ACS trauma guidelines and therefore should be transported to a trauma center. It replaces the previous term "Trauma Alert." To remain consistent with ATCEMSS practice, Trauma Activation is used in place of Trauma Alert for

purposes of defining this indicator.

Measure Calculation

Formula Description	Count of patients meeting Trauma Activation criteria who are transported to a trauma center or have a documented reason for exception, divided by the count of all patients meeting trauma activation criteria.
	The resulting measure is expressed as a percentage.

Indicator Formula

$$Percentage = \frac{count([patients\ transported\ to\ trauma\ center])}{count([patients\ meeting\ Trauma\ Activation\ criteria])}$$

Data Filters

Include only patients identified in ePCR data as meeting Trauma Activation criteria

Exclude patients who are not transported to a receiving facility.

Interval Calculation

Not Applicable

Numerator   *Population*   Count of patients who meet Trauma Activation criteria and meet one of the following:

- Transported to a trauma center, OR
- Personnel have documented a reason for exception to transport to a trauma center.

Inclusion   See "Population"

Exclusion   Patients meeting Trauma Activation criteria who are not transported by ATCEMS.

Patients with an incident problem type of "Emergency Transfer" or "Attended Patient."

Patients transported to another facility per physician orders.

Data Source   Clinical Performance Management performance report.

Denominator   *Population*   Count of patients meeting Trauma Activation criteria who are transported to a receiving facility.

Inclusion   See above.

Exclusion   Patients meeting Trauma Activation criteria who are not transported by ATCEMS.

Patients with an incident problem type of "Emergency Transfer" or

"Attended Patient."

Patients transported to another facility per physician orders.

Data Source	Clinical Performance Management performance report.

Aggregation

Aggregate incidents by month based on date/time of phone pickup in Communications.

Stratification

None

Minimum Sample Size

None

Data Lineage

Patients meeting Trauma Activation criteria are queried from ATCEMS ePCR data. Charts of patients who are not transported to a trauma center are retrieved and reviewed to identify those meeting exclusion criteria.

Reporting

Travis County ILA Reporting

Medium: Web site chart
Orientation: External
Format: Run chart containing monthly data values for most recent 13 month period.
Update Frequency: Monthly
Data Source: Clinical Performance Management performance report.

Metadata

Pillar / Strategic Objective Links

S2: To have a service delivery model that best serves the needs of our community.

S3: To be an organization that puts service before self.

F2: To be an organization that provides value to the community.

F3: To provide quality cost efficient service to the community.

Development Status

New indicator.

References

Interlocal Agreement Between the City of Austin and Travis County for Emergency Medical Services (Fiscal Year 2014)

Hendrikson H, "The Right Patient, The Right Place, The Right Time: A Look at Trauma and Emergency Medical Services Policy in the States." Denver: National Conference of State Legislatures, 2007. Available

on-line at
http://www.ncsl.org/documents/health/NCSLTraumaReport812.pdf

Best Practices   None referenced

Definition Version Info   Version C; 2014-03-06