CLINICAL PERFORMANCE INDICATOR
#1.5

SCENE TIME INTERVAL FOR TRAUMA ACTIVATION PATIENTS

OBJECTIVE
Limit the amount of scene time for injured patients that meet field triage criteria for trauma notification.

DEFINITIONS
90th Percentile Scene Time Interval
The scene time interval (in HH:MM) at which 90% of the included cases are less than or equal to.

Trauma Patient
Patient of any age with a physical injury due to a traumatic mechanism.

Trauma Notification
Any trauma patient who meets the CDC current field triage trauma criteria for either Step 1-Physiological Criteria or Step 2-Anatomical Criteria.

Scene Time Interval
The time interval beginning with the Scene Arrival Time for the first on scene transporting unit and ending with the Scene Departure time (from CAD) for the transporting unit.

Performance Objective
Scene Time less than 15 minutes for 90% or more of transported Trauma Notification patients.

Appropriate Delay
Cases in which the provider documents an acceptable scene delay (from RescueNet and manual chart review). Examples of appropriate scene delay are: patient access (e.g., patient pinned, prolonged extrication; unsafe condition (hazardous area, fire, hazmat); environmental condition (flooding, snow, ice). These are excluded from this measure.

REPORTING
Indicator Items
The time interval (in HH:MM) for which 90% of the incident scene time intervals are less than or equal.

FORMULA
Arrange the scene time interval data points (for the quarter) from lowest to highest. Count the total number of data points and note the number as N. Multiply 0.90 by the number N (round up if needed) and note as P. Determine the P-th data point in the set counting from the lowest to the highest value. That data point is the 90th percentile scene time interval. This may be accomplished using MS Excel’s percentile function.

EXCLUDED CASES
- Interfacility transfer (Hospital or FSED)
- Patients transported by Air Medical service
- Incidents resulting in no transport
- Appropriate delays
CLINICAL PERFORMANCE INDICATOR

#1.5

SCENE TIME INTERVAL FOR TRAUMA ACTIVATION PATIENTS

DATA SOURCE(S)  COGNOS report using RescueNet, manual chart review and CAD

REPORTING CRITERIA

Reporting Period  Quarterly; Due to OMD PI at least 2 business days prior to the EMS/OMD PI meeting at which Performance Measures will be discussed

Visual Format  Line Chart (single chart); Y axis = 90th Percentile Scene Time Interval in minutes; X axis = quarter/year; Include the 5 most recent quarters of data; Include raw data in non-PDF format (e.g. Excel) (See chart layout and design example below)

Chart Legend  Include total number of Trauma Notification cases for each quarter without excluded cases

TYPE OF MEASURE  Process

PERFORMANCE IMPROVEMENT  Performance measures are reviewed periodically by the Agency and OMD Performance Improvement staff. Clinical performance is overseen by the System Clinical Performance Improvement Committee and its Subcommittees.

REFERENCES  None

DOCUMENT APPROVAL  All clinical performance measures and revisions to these measures are reviewed and approved by the System Clinical Performance Improvement Committee.