



Emergency Medical Services Council

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TO: EMS Council members and interested parties

FROM: Hennepin County EMS Council

RE: Pre-hospital stroke and trauma performance standards approved by the EMS Council 4-11-2024

DATE: 4-15-2024

The Quality Standards Committee moved to adopt the following trauma and stroke performance standards for ongoing quality assurance monitoring. **The motion passed unanimously by the EMS Council on 4-11-2024.**

Public Health Department staff will collect quarterly and annual data from each licensed 9-1-1 ALS EMS Provider (Provider) or from databases that are approved by the Quality Standards Committee. Reports will contain aggregate data.

Trauma Performance Standards

- 1) On Scene Time for EMS Providers is less than 10 minutes**
- 2) Vitals are documented for: 1) heart rate; 2) blood pressure; 3) respiratory rate**
- 3) Glasgow Coma Scale is documented**

Data requested from Providers

- 1) On scene time for EMS Providers is less than 10 minutes (yes/no)
- 2) Vitals (heart rate, blood pressure, respiratory rate) are documented (yes/no) for each measure
- 3) Glasgow Coma Scale is documented (yes/no)

Inclusion/exclusion criteria:

- Include Hennepin County emergent transports only
 - Transport Mode Descriptors = Lights and Sirens
- Include Primary Impression = Trauma, as defined by the EMS Provider
- Use time-stamped at patient contact time (recorded by medics) and departure from scene time
- Report data to the 90th %ile

- Exclude real outliers: Exclude data points below the First Interquartile Range (IQR) minus 1.5 times IQR; also exclude data points above the Third IQR plus 1.5 times IQR.
- Exclude prolonged/delayed scene time if identified by the EMS Provider
- Do not include patient identifiers (e.g. name, address, run number, DOB)

Stroke Metric/Performance Standard:

1) On Scene Time for EMS Providers is less than 20 minutes

Data requested from Providers:

- 1) Stroke On Scene Time for EMS is less than 20 minutes (yes/no)

Inclusion/exclusion criteria:

- Hennepin County emergent transports only
 - Transport Mode Descriptors = Lights and Sirens
- Primary Impression = CVA, TIA, or Stroke; exclude Intracranial Hemorrhage
- Use time-stamped at patient contact time (recorded by medics) and departure from scene time
- Report data to the 90th %ile
- Exclude real outliers
 - Exclude data points below the First Interquartile Range (IQR) minus 1.5 times IQR; also exclude data points above the Third IQR plus 1.5 times IQR.
- Do not include patient identifiers (e.g. name, address, run number, DOB)