

Emergency Medical Services and Trauma Registries (EMSTR) Emergency Medical Services (EMS) Cardiac Data

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About EMSTR

- EMSTR collects reportable event data from EMS providers, hospitals, justices of the peace, medical examiners, and rehabilitation facilities.
- EMS providers and trauma hospital facilities must report all runs and reportable trauma events to EMSTR under Texas Administrative Code, Title 25, Chapter 103.

NOTE: An EMS run is a resulting action from a call for assistance where an EMS provider is dispatched to, responds to, provides care to, or transports a person.

Per epidemiology best practice, EMSTR suppressed data with less than five records to protect identifiable information; noted with an asterisk (*).

Presentation includes data from 2022 dispatches. Staff prepared data analyses based on “closed” EMS datasets.

Cardiac Data Request 2022

Response and Request Times for Patients Transferred Between Facilities



Inclusion Criteria and Definitions

- Patients within Texas EMS dataset:
 - Incident location type of hospital.
 - Destination type – hospital emergency department (ED) or hospital non-ED bed.
- Request time – Time between Public Safety Answering Point (PSAP) and Unit Arrival on Scene.
- Response time – Time between Unit Notified of Dispatch and Unit Arrival on Scene time(s).

Cardiac Inclusion Criteria and Definitions

- All Cardiac patients – Protocols used for any cardiac arrest or cardiac-related events.
- Limited Cardiac dataset – Protocols used:
 - Medical-Cardiac Chest Pain
 - Medical-Hypotension/Shock (Non-Trauma)
 - Medical-Pulmonary Edema/CHF
 - Medical-ST-Elevation Myocardial Infarction (STEMI)
- STEMI cardiac dataset – Protocols used were 'Medical-ST-Elevation Myocardial Infarction (STEMI)'.

Cardiac Transfer Request and Response Times

| All Cardiac Patients | Total Number | Mean | Median |
|----------------------|--------------|---------------|------------|
| Request Time | 6,262 | 41.32 minutes | 19 minutes |
| Response Time | 6,262 | 22.78 minutes | 16 minutes |

| Limited Cardiac Dataset | Total Number | Mean | Median |
|-------------------------|--------------|---------------|------------|
| Request Time | 5,618 | 40.89 minutes | 18 minutes |
| Response Time | 5,618 | 22.55 minutes | 16 minutes |

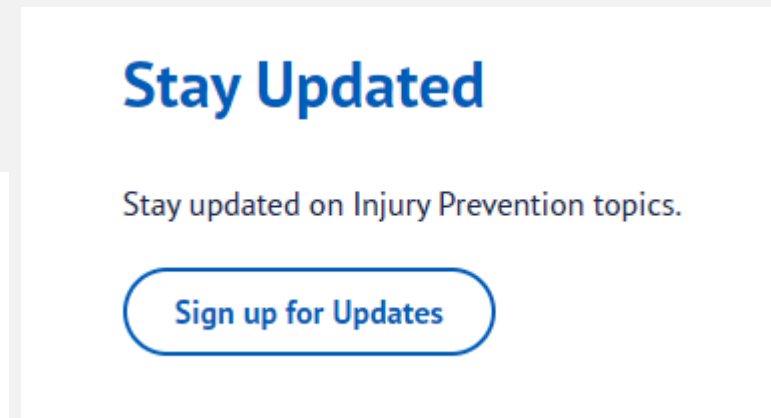
STEMI Transfer Request and Response Times

| STEMI Cardiac Dataset | Total Number | Mean | Median |
|-----------------------|--------------|---------------|-----------|
| Request Time | 115 | 19.99 minutes | 8 minutes |
| Response Time | 115 | 17.25 minutes | 7 minutes |

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Thank you!

EMSTR EMS Cardiac Data

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