

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



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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

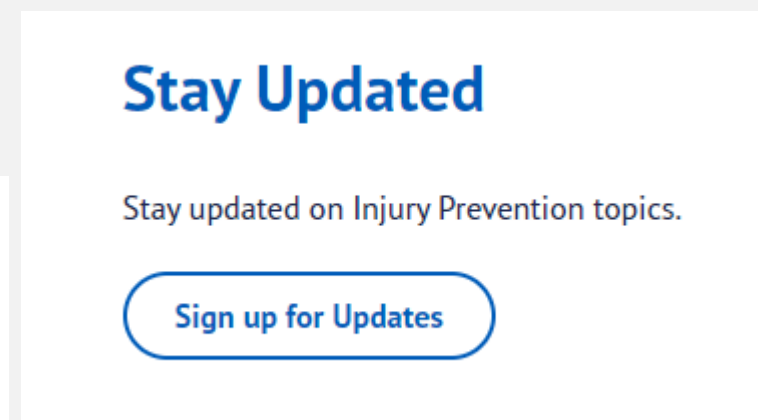
Request and Response Times

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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