

	COUNTY OF SACRAMENTO EMERGENCY MEDICAL SERVICES AGENCY	Document #	2527.01
	PROGRAM DOCUMENT: STEMI System Data Elements- NEW	Initial Date:	01/03/19
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EMS Medical Director

EMS Administrator

Purpose:

- A. To standardize data elements collected from designated STEMI Receiving Centers and Pre-Hospital ALS Providers to monitor, review, and improve the delivery of STEMI care services.

Authority:

- A. California Health and Safety Code, Division 2.5
- B. California Code of Regulations, Title 22, Division 9

Definitions:

- A. SCEMSA: Sacramento County Emergency Medical Services Agency.
- B. STEMI Receiving Center (SRC): A hospital that meets the minimum hospital STEMI care requirements and is able to perform primary Percutaneous Coronary Intervention.
- C. **STEMI Referring Hospital (SRH): A licensed general acute care facility that lacks PCI capability and transfers STEMI patients to SRCs for Percutaneous Coronary Intervention (PCI).**

Policy:

- A. Sacramento County EMS Agency has a standardized data collection and reporting process for the Sacramento County STEMI Critical Care System.
 - a. Prehospital STEMI patient care elements selected by SCEMSA are compliant with the most current version of the California EMS Information Systems (CEMSIS) database, and the National EMS Information System (NEMSIS).
 - b. Hospital STEMI patient care data elements selected by SCEMSA are compliant with the National Cardiovascular Data Registry (NCDR).
- B. All Pre-Hospital Providers and STEMI Receiving Centers (SRC) shall participate in the SCEMSA data collection process.
- C. The patient care data elements shall be collected and submitted to SCEMSA on a predetermined monthly schedule. Data elements to be included for monthly submission to the SCEMSA include (but are not limited to) the following:

Data Management:

- A. Pre-Hospital (EMS)
 - 1. EMS ePCR Number
 - 2. Facility/Code
 - 3. Name: Last, First

4. Date of Birth
5. Patient Age
6. Patient Gender
7. Patient Race
8. Hospital Arrival Date
9. Hospital Arrival Time
10. Dispatch Date
11. Dispatch Time.
12. Field ECG Performed (eProcedures.03)
13. ECG Date/Time (EProcedures.01)
14. Did the patient suffer out-of hospital cardiac arrest.
15. ASA Given ? (eMedications.03)
16. Destination STEMI Team Pre-arrival Activation (eDisposition.24) [Yes/No]

B. PCI Centers:

1. Facility
2. Name: Last, First
3. Date of Birth
4. Patient Age
5. Patient Gender
6. Patient Race
7. If arrival by EMS, was there a Pre-hospital STEMI alert notification (Y/N)
8. Time of Pre-hospital STEMI alert notification
9. If advanced notification by EMS, was the Cath Lab team activated prior to patient arrival (Y/N)
10. Field ECG Performed (Y/N)
11. Field ECG Transmitted to hospital (Y/N)
12. Cath Lab Activated (Y/N)
13. Cath Lab Activation Date
14. Cath Lab Activation time
15. PCI Performed (Y/N)
16. PCI Date
17. Fibrinolytic Infusion (Y/N)
18. Fibrinolytic Infusion Date
19. Fibrinolytic Infusion Time
20. Transfer from another facility (SRH) (Y/N)
21. SRH arrival date
22. SRH arrival time
23. SRH ED Departure Date
24. SRH ED Departure Time
25. Hospital Discharge Date
26. Discharge location
27. Primary and Secondary Discharge Diagnosis

C. STEMI System Data Elements:

1. Total number of STEMI treated
2. Number of STEMI patients transferred for PCI from SRHs
3. Number and percent of emergency department STEMI patients arriving by private transport (Non-EMS)