

	COUNTY OF SACRAMENTO EMERGENCY MEDICAL SERVICES AGENCY	Document #	2527.02
	PROGRAM DOCUMENT: STEMI System Data Elements	Initial Date:	01/03/19
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Signature on File

EMS Medical Director

Signature on File

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. SCEMSA will extract the EMS elements from the ICEMA database, and hospitals shall submit their data elements at least quarterly. Data elements to be included for quarterly submission to include (but are not limited to) the following:

Data Management:

- A. Pre-Hospital (EMS)
 - 1. Agency
 - 2. Response Unit
 - 3. EMS ePCR Number
 - 4. Facility/Code

5. Name: Last, First
6. Date of Birth
7. Patient Age
8. Patient Gender
9. Patient Race
10. Hospital Arrival Date
11. Hospital Arrival Time
12. Dispatch Date
13. Dispatch Time.
14. Arrival at patient side time
15. Field ECG Performed (eProcedures.03)
16. ECG Date/Time (EProcedures.01)
17. Did the patient suffer out-of hospital cardiac arrest.
18. ASA Given ? (eMedications.03)
19. 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 (TIME or Y/N)
9. If advanced notification by EMS, what time was the Cath Lab team activated prior to patient arrival
10. Was a field ECG Performed (Y/N)
11. Cath Lab Activated (Y/N)
12. Cath Lab Activation Date
13. Cath Lab Activation time
14. PCI Performed (Y/N)
15. PCI Date
16. PCI Time
17. Non System Reason for Delay PCI
18. Fibrinolytic Infusion (Y/N)
19. Fibrinolytic Infusion Date
20. Fibrionlytic Infusion Time
21. Transfer from another facility (SRH) (Y/N)
22. SRH arrival date
23. SRH arrival timeTime
24. SRH ED Depatruce Date
25. SRH ED Departure Time
26. Hosital Discharge Date
27. Discharge location
28. Primary and Secondary Discharge Diagonisis

C. STEMI System Data Elements:

1. Total number of STEMI's 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)