

	<b>COUNTY OF SACRAMENTO</b> EMERGENCY MEDICAL SERVICES AGENCY	Document #	2527.04
	PROGRAM DOCUMENT: <b>STEMI System Data Elements</b>	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 ST Elevation Myocardial Infarction (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 licensed general acute care facility that meets the minimum hospital STEMI care requirements and is able to perform PCI.
- C. **STEMI Referring Hospital (SRH):** A licensed general acute care facility that does not perform emergent Percutaneous Coronary Intervention (PCI) and therefore routinely transfers STEMI patients to SRCs for PCI.

**Policy:**

- A. Sacramento County EMS Agency has a standardized data collection and reporting process for the Sacramento County STEMI Critical Care System.
  - 1. 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).
  - 2. Hospital STEMI patient care data elements ~~selected~~ **required** by SCEMSA are compliant with the ~~National Cardiovascular Data Registry (NCDR)~~ **most current data registry as stipulated by The Joint Commission (TJC)**.
- B. All pre-hospital providers and SRCs 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. Fibrinolytic Infusion Time~~
  - ~~21. Transfer from another facility (SRH) (Y/N)~~
  - ~~22. SRH arrival date~~
  - ~~23. SRH arrival time~~
  - ~~24. SRH ED Departure Date~~
  - ~~25. SRH ED Departure Time~~
  - ~~26. Hospital Discharge Date~~
  - ~~27. Discharge location~~
  - ~~28. Primary and Secondary Discharge Diagnosis~~
- ~~C. STEMI System Data Elements:~~
- ~~1. Total number of STEMIs 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)~~