| | **COUNTY OF SACRAMENTO**<br>EMERGENCY MEDICAL SERVICES AGENCY | Document # | 2527.04 |
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| | PROGRAM DOCUMENT:<br><br>**STEMI System Data Elements** | Initial Date: | 01/03/19 |
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Signature on File                                     Signature on File

EMS Medical Director                            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)