





SAN MATEO COUNTY HEALTH
EMERGENCY
MEDICAL SERVICES

EMS POLICY	702
Effective:	April 2025
Approval: EMS Director Travis Kusman, MPH	Signed: 
Approval: EMS Medical Director Greg Gilbert, MD	Signed: 

TRANSMISSION OF CARDIAC MONITOR DATA

I. PURPOSE

This policy defines the requirements for transmission of cardiac monitor data and is applicable to all ALS transport provider and ALS first responder agencies. The collection of data is used to improve patient care and is crucial to the progression of the EMS system.

II. AUTHORITY

California Health and Safety Code Division 2.5, §1797.200, 1797.227; California Code of Regulations, Title 22, Division 9 §100096.03, 100097.01, 100148

III. DEFINITIONS

Electronic Health Record (“EHR”): The official and legal patient care record completed by EMS personnel. Formerly referred to as ePCR.

Patient: Any person for whom 9-1-1 services have been activated and that EMS personnel encounter (see Patient Contact) and who meets any of the following criteria:

1. Has a chief complaint or demonstrates illness or injury;
2. Is not oriented to person, place, time or event;
3. Requires or requests an assessment, field treatment, or transport; or
4. Is a minor who is not accompanied by a parent or legal guardian and appears to be ill or injured.

IV. POLICY

- A. EMS personnel shall download cardiac monitor data to the EHR for all EMS patient contacts in which a patient was placed on a cardiac monitor, regardless of patient outcome. This includes calls to which a unit arrived at scene, and a patient was not transported.
- B. Optimally, a single cardiac monitor should be used to gather data, particularly in cases of cardiac arrest or continuous monitoring of an advanced airway.

V. 12-LEAD ECG TRANSMISSION

- A. A 12-Lead ECG that indicates a patient is experiencing a STEMI shall be transmitted to the identified STEMI receiving center to which the patient is to be transported. Every attempt

should be made to transmit the 12-Lead ECG immediately after acquisition.

- B. For all other 12-Lead ECGs, cardiac monitor data shall be downloaded to the EHR.
- C. At a minimum, 12-Lead ECGs should be electronically labeled with the initial of the first name and complete last name of the patient. Provider agencies may require additional labeling.
- D. Once a STEMI 12-Lead has been transmitted to a STEMI receiving center, the receiving hospital should be notified of the transmission as soon as possible to verify receipt and to provide a STEMI alert.
- E. A physical copy of 12-Lead ECGs shall be provided to the receiving hospital.

VI. CARDIAC ARREST AND OTHER CARDIAC PATIENTS

- A. Cardiac monitor data shall be downloaded to the EHR for the following types of patients:
 - 1. Cardiac arrests – all patients in cardiac arrest must be monitored in “paddles mode” to ensure vital data is captured/ transmitted.
 - 2. All other patients who receive cardiac monitoring.