

EMERGENCY MEDICAL SERVICES AUTHORITY

10901 GOLD CENTER DR., SUITE 400
RANCHO CORDOVA, CA 95670
(916) 322-4336 FAX (916) 322-1441



September 15, 2021

Mr. Dave Magnino, EMS Administrator
Sacramento County Emergency Medical Services Agency
9616 Micron Avenue, Suite 960
Sacramento, CA 95827

Dear Mr. Magnino:

This letter is in response to Sacramento County's 2020 emergency medical services (EMS) plan, and the St-Elevation Myocardial Infarction (STEMI), Stroke, Trauma, and Quality Improvement (QI) plan submissions to the EMS Authority on July 2, 2021.

The EMS Authority has reviewed the EMS plan, based on compliance with statutes, regulations, and case law. It has been determined the plan meets all EMS system components identified in Health and Safety Code (HSC) § 1797.103 and is approved for implementation pursuant to HSC § 1797.105(b). Based on transportation documentation provided, the EMS Authority has noted your Emergency Ambulance Zone as Non-Exclusive and has enclosed for reference.

The EMS Authority has also reviewed the STEMI, Stroke, Trauma, and QI plans, based on compliance with Chapters 7, 7.1, 7.2, and 12 of California Code of Regulations, Title 22, Division 9, and has approved for implementation.

In accordance with HSC § 1797.254, please submit an annual EMS plan to the EMS Authority on or before September 14, 2022. Please also submit an annual STEMI, Stroke, Trauma, and QI plan concurrently with the EMS plan. If you have any questions regarding the EMS Plan review, please contact Ms. Lisa Galindo, EMS Plans Coordinator, at (916) 431-3688.

Sincerely,

A handwritten signature in blue ink that reads 'Tom McGinnis - Feb'. The signature is stylized and includes a small heart symbol above the 'i' in 'Ginnis'.

Tom McGinnis, EMT-P
Chief, EMS Systems Division

Enclosure

tm:lg

Department of Health Services
Chevon Kothari, Director



Interim County Executive
Ann Edwards

Divisions

Behavioral Health Services
Primary Health
Public Health
Departmental Administration

County of Sacramento

July 2, 2021

Dave Duncan, MD, Director
Emergency Medical Services Authority
10901 Gold Center Drive, Suite 400
Rancho Cordova, CA 95670

Dear Dr. Duncan:

Please see the attached annual updates to the Sacramento County 2020 Emergency Medical Services (EMS) Plan, the 2020 Trauma System Annual Update, the 2020 Annual Quality Improvement Program (QIP), 2020 STEMI Critical Care System Annual Update and the 2020 Stroke Critical Care System Annual Update. These are submitted in accordance with *Health and Safety Code Sections 1797.103 and 1797.250 – 1797.258 and Title 22, Division 9, Chapter 7.1, STEMI Critical Care System, Chapter 7.2, Stroke Critical Care System and Chapter 12, EMS System Quality Improvement.*

EMS PLAN ANNUAL UPDATE

No significant changes were made to the EMS Plan during the past year. Key items are noted in each section.

FORM 1: EMS Plan System Assessment Summary

A. System Organization and Management

1.03 – Employment of Medical Director:

- Medical Director's contract was increased from 0.3 to 0.5 position. This helps with oversight demands resulting from the addition of the STEMI and Stroke Critical Care Programs.

B. Manpower and Training

2.13 – Critical Care Paramedic Training and Accreditation:

- In 2020, a private provider requested this program but the EMS Agency does not have staff nor funding to oversee the program at this time.

D. Response and Transportation

4.01 – Primary Response Area:

- The EMS Agency has executed Advanced Life Support (ALS) Provider Agreements with private providers.
- We worked with Public Fire Service providers to create and execute ALS Provider Agreements. As of April 15, 2021, we have executed ALS Provider agreements with the Public Fire Service providers.

4.05 – Response Time Standards:

- We are currently utilizing National Response Time Standards as benchmarks. Plans are in process to implement Sacramento County Response Time Standards by the end of calendar year 2021.

4.07 – Creation of Exclusive Operating Area and Approval:

- Sacramento County is a Non-Exclusive Operating Area.

E. Assessment of Hospitals and Critical Care Centers

5.04 – Critical Care System:

- STEMI and Stroke Critical Care programs were added in 2019. Designations and contracts were completed in 2020.

F. Data Collection and Evaluation

6.04 – Electronic Patient Health Information Exchange:

- At this time, there are no plans to implement a patient health information exchange program.

6.09 – Ambulance Patient Offload Times:

- EMS stakeholders established the Ambulance Patient Offload Time (APOT) metric at 20 minutes. In 2020, the system wide 90th percentile APOT was forty-seven (47) minutes.

6.10 – Data Collection from Specialty Care Centers:

- Trauma – The three Sacramento County trauma centers submit data electronically; the Placer County trauma center submits data manually.
- STEMI and Stroke – Designated STEMI and Stroke centers submit data manually on a quarterly basis.

H. Disaster Medical Response

8.14 – Mutual Aid Requests in EOA Areas:

- Not applicable. Sacramento County is a non-exclusive operating area.

TABLE 2: Manpower and Training

EMS Agency Certification:

- There was a slight increase in the number of personnel investigations in 2020 as compared to 2019. This increase occurred because staff continued to use and follow the *Recommended Guidelines for Disciplinary Orders and Conditions of Probation for EMT (Basic) and Advanced EMT*. A larger number of initial applicants with prior convictions led to more denials of applications.

Available Training:

- Nearly all prehospital providers are continuing education (CE) providers.

TABLE 4: Response and Transportation

System Standard Response Times (90th Percentile):

- With over one year of data submitted to California EMS Information System (CEMSIS) from all ALS providers, the EMS Agency continues to provide updates of system wide 90th percentile standard response times to stakeholders during regular meetings.

Provider Resource:

- During the fourth quarter of 2020, American West Ambulance started the process to become an ALS provider. They are expected to be approved in 2021.

TRAUMA SYSTEM STATUS REPORT

The narrative includes improvement information provided to EMSA regarding the Sacramento County Trauma System. Key changes included:

Trauma System Goals and Objectives:

- Trauma Review Committee (TRC) provides unique educational opportunities to region wide physicians and administrators.
- The EMS Agency works closely with the trauma centers to ensure accurate data is submitted to the CA Trauma Registry and presented in the quarterly TRC meetings.

System Performance Improvement:

- The EMS Agency worked with the TRC to update several prehospital trauma policies, including adding the use of Tranexamic Acid (TXA) by paramedics. Monitoring usage of TXA is a current project of the QI program.
- Continued to work with trauma surgeons and managers to identify seven (7) relevant indicators to improve the trauma system.
- Worked with prehospital EMS providers to improve documentation practices to ensure prehospital Trauma Alerts are being conducted and reported.

QUALITY IMPROVEMENT PROGRAM ANNUAL UPDATE

2020 Highlights:

- Continued work to define consistent documentation standards and improve the quality and accuracy of data submission.
- Developed and implemented dashboards to report data on three (3) focused elements.
- Continued to improve tracking of ambulance patient off-load times (APOT). Provided comparisons between 2019 and 2020 APOT data to stakeholders on a monthly basis.

Active Projects include the following:

- Continued focus on the "Documentation Initiative" to improve prehospital care. This includes:
 - Cardiac Arrest, New Medications, and Spinal Motion Restriction policy
- Continue to monitor Law Enforcement Administration of Naloxone Program for the following:
 - Properly trained officers in handling and administration
 - Data collection
 - Feedback provision

2019 STEMI CRITICAL CARE SYSTEM ANNUAL UPDATE

- Approved and executed contracts with several hospitals for designation as Sacramento County approved STEMI Receiving Centers.
- Began the work with STEMI Advisory Committee to identify proposed data reporting platforms available.
- In 2021, STEMI data will be collected via American Heart Association's Get With The Guidelines – Coronary Artery Disease.

2019 STROKE CRITICAL CARE SYSTEM ANNUAL UPDATE

- Approved and executed contracts with ten hospitals for designation as Sacramento County approved Stroke Receiving Center or Comprehensive Stroke Center.
- Began the work with Stroke Advisory Committee to identify proposed data reporting platforms available.

Page 5
Dave Duncan, MD, Director
July 2, 2021

Please do not hesitate to call me at (916) 875-9753 if you have questions.

Sincerely,



David M. Magnino
EMS Administrator



Hernando Garzon, MD
Medical Director

Attachments: (5)
EMS Plan Annual Update
Trauma System Annual Update
Quality Improvement Program Annual Update
STEMI Critical Care System Annual Update
Stroke Critical Care System Annual Update

Cc: Sandy Damiano, PhD, Deputy Director, DHS, Primary Health

