



Trauma

Critical Care System Plan 2023 Annual Update

Prepared By:

Sacramento County
Department of Health Services
Division of Public Health
Emergency Medical Services Agency

**SACRAMENTO COUNTY
TRAUMA CRITICAL CARE SYSTEM PLAN
2023 ANNUAL UPDATE
April 1, 2024**

In accordance with the State of California Code of Regulations, Title 22, Division 9, Chapter 7, Sacramento County submits this Trauma Care System Plan update.

Trauma Critical Care System Summary

The Sacramento County Trauma Care System is a network of three (3) in county and one (1) out-of-county trauma centers. Sacramento County Emergency Medical Services Agency (SCEMSA) designates trauma centers to provide emergency medical care to any patient who, after prehospital emergency medical service (EMS) personnel evaluation, requires direct transportation to a facility specializing in trauma care.

The following hospitals are in compliance with current American College of Surgeons (ACS) standards and remain designated trauma-receiving facilities for Sacramento County trauma patients:

In-County

University of California Davis Medical Center

2315 Stockton Boulevard
Sacramento, CA 95817
(916) 734-2011
Level I Trauma Center
(Adult and Pediatric)

In-County

Kaiser Permanente Medical Center - South Sacramento

6600 Bruceville Road
Sacramento, CA 95823
(916) 688-2000
Level II Trauma Center

In-County

Mercy San Juan Medical Center

6501 Coyle Avenue
Carmichael, CA 95608
(916) 537-5000
Level II Trauma Center

Out-of-County

Sutter Roseville Medical Center

One Medical Plaza
Roseville, CA 95661
(916) 781-1200
Level II Trauma Center

The current ACS standings for our hospitals are as follows:

- *University of California, Davis Medical Center (Adult and Pediatric)* – Current Verification Cycle: April 21, 2025. ACS Verification as a Level I trauma center following a site visit in April 2022.
- *Mercy San Juan Medical Center* – Current Verification Cycle: September 22, 2025. ACS Verification as a Level II trauma center following a site visit in August 2021.
- *Kaiser Permanente Medical Center - South Sacramento* – Current Verification Cycle: March 16, 2023 – March 16, 2026. ACS Verification as a Level II trauma center following a site visit in March of 2023.

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Trauma Critical Care System Updates

The system is continuously reviewed. Reviews include quarterly Trauma Improvement Committee (TIC) meetings, which trauma surgeons and other professionals from Sacramento County and nearby counties attend.

During 2023, SCEMSA redesigned the Trauma Improvement Committee (TIC), previously the Trauma Review Committee (TRC). The goal of this change was to increase EMS participation within the TIC. Following the change, SCEMSA has seen a significant increase in EMS attendance and presentations. The TIC now involves collaborative presentations between EMS providers and hospitals. These presentations allow us to look at and evaluate patient care from dispatch to discharge. The TIC also reviewed trauma-related policies, listed later in this document, as part of the SCEMSA’s biannual policy review process.

ImageTrend Patient Registry functions as the repository of the Sacramento County trauma data. Under this system, trauma centers submit data directly to the National Trauma Data Bank (NTDB) and ImageTrend Patient Registry. EMS submits data to the California Emergency Medical Services Information System (CEMSIS), which SCEMSA accesses through ImageTrend Elite. This system allows SCEMSA to review data as submitted, decreasing the time between submission, analysis, and review at advisory meetings.

Figure 1 below illustrates EMS transports with a trauma-related Primary Impression per hospital. Red indicates the number of patients who met trauma triage criteria (TTC) transported to each hospital. In most cases involving patients meeting TTC taken to non-trauma hospitals, paramedics contacted the base hospital for approval.

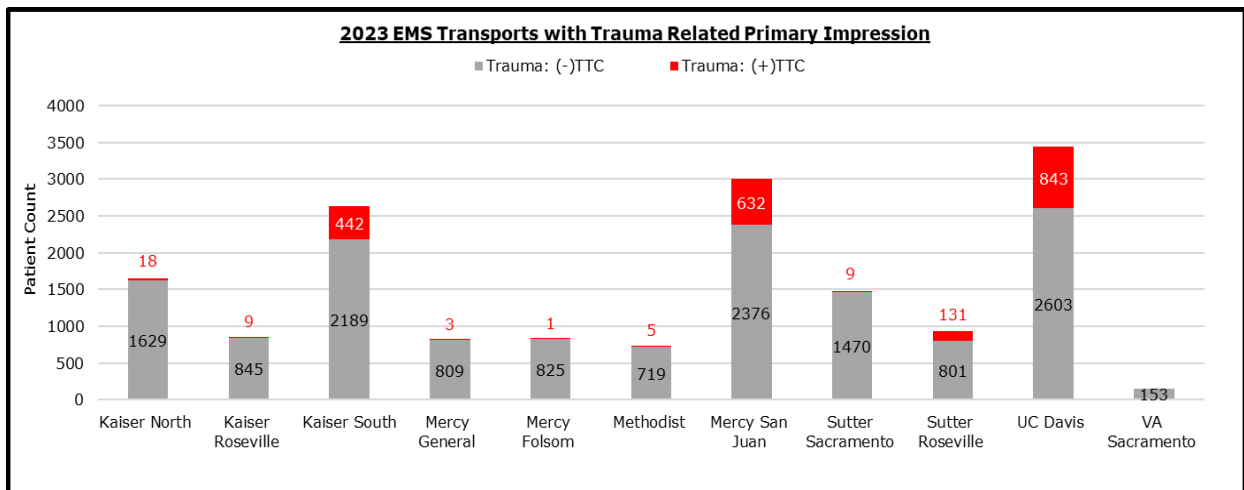


Figure 1

In 2023, the TIC focused largely on administering Tranexamic Acid (TXA). Through

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discussion and data analytics, we determined that TXA is underutilized in Sacramento County. We are encouraging paramedics to utilize TXA whenever needed and expanding the inclusion criteria in policy to allow for more uses. We have also increased the TXA dose after a discussion with trauma hospitals, which revealed that patients often did not receive the second dose upon arrival. Field administration of TXA can be seen in Figure 2.

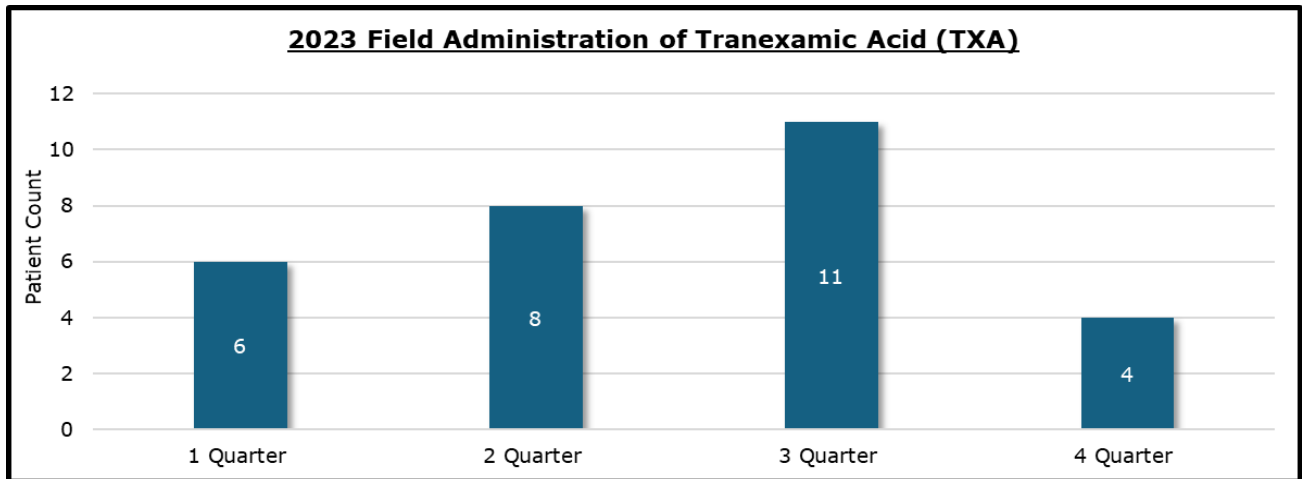


Figure 2

Policy Review

In 2023, the TIC reviewed and made the following edits to policies:

- #2007 Trauma Hospital Data Elements** – Language changed to clarify that data elements match the NTDB Standard Data Elements.
- #2026 Trauma Improvement Committee**—The language of the committee was changed from Trauma Review Committee to Trauma Improvement Committee. The membership was also changed to include more EMS personnel.
- #8065 Hemorrhage** – Base hospital consult for TXA use in the control of head and neck bleeding was added. The TXA dose was changed to 2g.
- #9017 Pediatric Trauma** – Clerical updates only.