

Tuolumne County Emergency Medical Services Agency
EMS System Policies and Procedures

Policy: Trauma Data Management

#626.00

Creation Date: 05-05-04

Medical Director: _____

Revision Date:

EMS Coordinator: _____

Review Date: 05-07

I. AUTHORITY

Division 2.5, California Health and Safety Code, §1797.220 and 1798.163.

II. DEFINITION

- A. “Major trauma patient” means a patient who upon assessment by pre-hospital personnel meets one or more of the adult or pediatric trauma triage criteria defined by EMS Policies No 535.00 and 535.10.
- B. “Trauma Center” means a licensed hospital, accredited by the Joint Commission on the Accreditation of Healthcare Organizations, which has been designated as a level I, II, III or IV trauma center or as a level I or II pediatric trauma center by a local EMS agency.
- C. “Trauma Resuscitation Area” means a designated area within a trauma center where trauma patients are evaluated upon arrival.

III. PURPOSE

The purpose of this policy is to establish a data management program to assist trauma centers and the Tuolumne County EMS Agency in monitoring, evaluating and improving the delivery of hospital and pre-hospital trauma services.

IV. POLICY

- A. The Tuolumne County EMS Agency in consultation with the Trauma Advisory Committee shall select trauma registry software to be used by the Tuolumne County EMS Agency and Tuolumne County designated trauma centers for the collection, management and reporting of trauma patient data.
- B. Pertinent pre-hospital patient care data collected by the Tuolumne County EMS agency from ambulance service providers and air ambulance service providers shall be incorporated into the central trauma registry maintained by the Tuolumne County EMS Agency.

- C. Tuolumne County designated trauma centers shall create a trauma registry record for:
1. Each major trauma patient transported to their facility by ground or air ambulance;
 2. Each major trauma patient transferred to their facility from another hospital;
 3. Each patient presenting to the trauma center, who upon assessment by emergency personnel is determined to meet triage criteria as a major trauma patient.
- D. The trauma registry maintained by the trauma center shall include, but not be limited to, the following data elements:
1. Patient identification information:
 - a. Name;
 - b. Date of Birth;
 - c. Unique trauma registry identification number;
 2. Pre-hospital data:
 - a. Transportation mode;
 - b. Transport agency;
 - c. Care provided;
 - d. Pre-hospital vital signs;
 - e. Reason for triage to trauma center
 3. Emergency department data:
 - a. Date and time of arrival in the emergency department (trauma resuscitation area);
 - b. Time of trauma team notification;
 - c. Trauma team activation level;
 - d. Time trauma team surgeon arrived in trauma resuscitation area;
 - e. Name of surgeon or physician trauma team leader;
 - f. Name of admitting physician;
 - g. Patient vital signs at:
 - (1) Time of arrival in trauma resuscitation area;
 - (2) One hour after emergency department arrival;
 - (3) Time of emergency department discharge;
 - h. Patient treatment within the emergency department;
 - i. Time discharged from the emergency department;
 - j. Emergency department discharge disposition;
 4. Hospital data:
 - a. Date of initial admission;
 - b. Number of days in intensive care;
 - c. Date of discharge;
 - d. Diagnosis data:
 - (1) ICD-9;
 - (2) AIS-90
 - (3) AIS and region;
 - (4) Injury severity scores;

- (a) ISS
 - (b) RTS
 - (c) TRISS
 - e. Clinical and procedure data;
- 5. Discharge data including;
 - a. Discharge disposition;
 - b. Discharge outcome;
 - c. Discharge date and time;
- 6. Quality Improvement Indicators;
- 7. Patient financial data:
 - a. Charges;
 - b. Payments;
 - c. Payer source.
- E. Tuolumne County designated trauma centers shall submit trauma registry data to the Tuolumne County EMS Agency on a monthly basis.
- F. The Tuolumne County EMS Agency will endeavor to provide and obtain trauma registry data for patients transported or transferred to trauma centers located outside of Tuolumne County consistent with established inter-county trauma system agreements.