

Mountain-Valley Emergency Medical Services Agency



***Annual
Emergency Medical Services
System Report***

2003

For the Counties of:

***Alpine
Amador
Calaveras
Mariposa
Stanislaus***

(Updated) September, 2005

ANNUAL EMS SYSTEM REPORT – 2003

TABLE OF CONTENTS

Introduction

Report Categories

Integrity of the Data

Utilizing This Report

Structural / Demographic Reports

- SR-01 Number of EMS Service Providers by County
- SR-02 Number of EMS Training Programs by County
- SR-03 Number of Calls Dispatched by County
- SR-04 Number of Ambulance Responses by County
- SR-05 Call Types - Primary Diagnosis: Medical
- SR-06 Call Types - Primary Diagnosis: All Injuries & Trauma
- SR-07 Call Types - Primary Diagnosis: Major Trauma
- SR-08 Scene Call Disposition
- SR-09 Scene Call Destination
- SR-10 Major Trauma Call Destination

Process Reports

- PR-01 Training Programs
- PR-02 EMS Dispatch Centers
- PR-03 First Responder AED
- PR-04 Ambulance Provider Shoot Times / Response Times
- PR-05 Ambulance On-Scene Times
- PR-06 Field Assessment vs E.D. Diagnosis
- PR-07 Advanced ALS Skills Report
- PR-08 Medication Administrations

Outcome Reports

- OR-01 Chest Pain: Suspected Cardiac Origin
- OR-02 Cardiac Arrest – Transported
- OR-03 Cardiac Arrest – Urban Area
- OR-04 Pulseless V-Fib/Tach (Unwitnessed)
- OR-05 Pulseless V-Fib/Tach (Witnessed)
- OR-06 SOB: Signs and Symptoms of Bronchospasm
- OR-07 SOB: Signs and Symptoms of Fluid Overload
- OR-08 Major Trauma

ANNUAL EMS SYSTEM REPORT – 2003

INTRODUCTION

The Mountain-Valley Emergency Medical Services (EMS) Agency serves as the local EMS agency for the counties of Alpine, Amador, Calaveras, Mariposa, and Stanislaus. The EMS system in these counties has been developed through a partnership between the EMS Agency, 911 emergency access points, EMS dispatch centers, fire department first response agencies, basic life support (BLS) and advanced life support (ALS) ambulance services, local base/receiving hospitals, and the many dedicated EMS dispatchers, first responders, emergency medical technicians (EMTs), paramedics, nurses and physicians who provide the care to the sick and injured within our system.

As part of the Mountain-Valley EMS Agency's commitment to keep EMS participants and the public informed of EMS activities in this region, this *Annual Emergency Medical Services System Report* has been developed. The reader will notice the format of the report has changed considerably from past reports. It is much shorter and more concise. Many of the individual reports seen in earlier reports have been integrated into single page, matrix summaries. Some of the reports that have produced the least amount of interest, have been removed. It is our hope that the information provided will be of use, and interest to the reader.

The reader will find this document to be divided into three main sections: 1) *Structural/Demographic Reports*, 2) *Process Reports*, and 3) *Outcome Reports*. The *Structural/Demographic Reports* provide an overview of the number, or **quantity**, of EMS service providers and the specific events that occurred in the EMS system during the year. The *Process Reports* look at the **quantity** and **quality** of the procedures provided and services rendered by EMS system providers. Finally, the *Outcome Reports* attempt to measure the overall **effectiveness** of the EMS system on the long-term care of the patients served by the system.

REPORT CATEGORIES

Structural /Demographic Reports

Structural indicators provide an overall description of the system in terms of the numbers of resources and the numbers of events that occur within the system during the reporting period. In this EMS system report, the *Structural /Demographic* indicators include the number of:

- EMS Service Providers
- EMS Responses
- Patient Contacts by EMS Personnel
- Specific Call Types (Medical / Trauma)
- Patient Transports

Process Reports

The second section focuses on the quantity and quality of services and treatment processes provided within the system. The services and processes focused upon for any given year are pre-identified by the EMS Agency and the Quality Liaison Committee prior to the beginning of the year. While some benchmarks of quality are monitored on an ongoing basis, others are monitored periodically to ensure acceptable compliance levels are maintained.

Outcome Reports

Outcome Reports indicate how successfully the system structure, and processes combine to meet the desired system effect, which is to decrease mortality and morbidity of patients treated within the EMS system.

The formula, “*Structure + Process = Outcome*” demonstrates the relationship between the three indicators. It also shows how any change made in either the *Structure* or *Processes* of a system, can directly affect the *Outcome*. For example, an ambulance provider who does nothing to change the system *Structure*, but increases the standard of training for his/her personnel to improve adherence to protocols and execution of skills, thereby improving *Process*, should see a correlating improvement in patient *Outcome*. Conversely, if an ambulance service provider significantly reduces the number of ambulances on the street (minimizing the *Structure*), it should be expected that the *Outcome* would be negatively affected.

INTEGRITY OF THE DATA

The Mountain-Valley EMS Agency receives its data from three separate sources: 1) ***Base Hospital Data*** received from the hospitals, 2) ***Patient Care Record (PCR)*** data submitted by the ambulance providers, and 3) ***Computer Aided Dispatch (CAD)*** data from EMS dispatch centers with CAD capabilities.

In 2003, approximately 80% of the data is received by the EMS Agency in electronic format. The remaining data are taken from hard copy logs and PCRs and are entered by Agency staff. Once records from the three separate sources are entered, records from the three sources are combined. While there are several automated and manual processes used to ensure all records are combined properly, errors or omissions in the original documents result in some records not combining. Records unable to be combined may cause some duplication of data.

While great care is taken to ensure duplicate records are not counted twice, a small percentage are not picked up through the screening processes resulting in a margin of error that varies depending upon the specific report. While these duplicates may show up as minor inconsistencies when comparing totals from various tables, they should not be significant in assessing overall system performance.

Also, there may be periods of time when a particular provider experienced a loss of data that cannot be retrieved, therefore, the EMS Agency is unable to collect complete data from all sources, one-hundred percent of the time. In these instances, the EMS Agency will make every attempt to footnote any reports that are affected by the missing data.

UTILIZING THIS REPORT

It is the goal of Mountain-Valley EMS Agency to ensure that all providers of services within the EMS system, begin to utilize these reports as a measurement of the success of their internal Quality Improvement efforts. From year to year, providers should be able to see how improvements made within their organizations, are reflected in the system as a whole.

Any questions regarding the data or requests for additional information may be directed to the EMS Agency at (209) 529-5085.

Mountain-Valley Emergency Medical Services Agency



EMS System
Structural Reports
2003

NOTE: Not all of the reports in this section are completed either because the data was not available, or the EMS Agency did not have a mechanism in place to collect the data at the time the report was published. Those “incomplete” reports are still included in this document to serve as a placeholder for future years when that data is available and reportable.

Mountain-Valley Emergency Medical Services Agency



EMS System
Process Reports
2003

NOTE: Not all of the reports in this section are completed either because the data was not available, or the EMS Agency did not have a mechanism in place to collect the data at the time the report was published. Those “incomplete” reports are still included in this document to serve as a placeholder for future years when that data is available and reportable.



EMS System

Outcome Reports

2003

NOTE: Not all of the reports in this section are completed either because the data was not available, or the EMS Agency did not have a mechanism in place to collect the data at the time the report was published. Those “incomplete” reports are still included in this document to serve as a placeholder for future years when that data is available and reportable.

NOTE: The following *Outcome Reports* contain some *Structural* and /or *Process* indicators that are relevant to the specific report. These indicators are included because they are essential in understanding the outcome, and including them within the report saves the reader from having to reference multiple reports at the same time.

Number of EMS Service Providers by County 2003

| (Population) | Alpine 1,210 | Amador 36,500 | Calaveras 42,450 | Mariposa 17,450 | Stanislaus 481,600 | TOTAL 579,210 |
|---------------------------------------|-----------------|------------------|---------------------|--------------------|-----------------------|------------------|
| DISPATCH | | | | | | |
| EMS Dispatch Centers (PSAP)* | 1 | 1 | 1 | 1 | 4 | 8 |
| EMS Dispatch Centers (2 PSAP) | 0 | 1 | 0 | 1 | 1 | 3 |
| FIRST RESPONSE | | | | | | |
| First Response Agencies | 3 | 6 | 9 | 2 | 17 | 37 |
| - Number of AED Providers | 3 | 6 | 9 | 2 | 17 | 37 |
| AMBULANCE | | | | | | |
| Ground Amb. Service Providers** | 2 | 1 | 5 | 1 | 5 | 14 |
| Avg. No. of 24 hr Amb. In Serv. | 2 | 5 | 6 | 2 | 12 | 27 |
| Air Amb. Service Providers | 0 | 0 | 0 | 0 | 2 | 2 |
| Avg. No. of 24 hr Ships in Serv. | 0 | 0 | 0 | 0 | 3 | 3 |
| FACILITIES | | | | | | |
| Hospitals | 0 | 1 | 1 | 1 | 4 | 7 |
| Trauma Centers (Level II, III, or IV) | 0 | 0 | 0 | 0 | 2 | 2 |
| TRAINING PROGRAMS | | | | | | |
| EMD Dispatcher | 0 | 0 | 0 | 0 | 0 | 0 |
| First Responder | 1 | 0 | 2 | 1 | 6 | 10 |
| EMT-I | 1 | 0 | 1 | 2 | 4 | 8 |
| Paramedic | 0 | 0 | 0 | 0 | 1 | 1 |
| MICN | 0 | 0 | 0 | 0 | 1 | 1 |
| PERSONNEL | | | | | | |
| EMD Dispatchers | | | | | | 6 |
| First Responders | | | | | | 296 |
| EMT-Is | | | | | | 1451 |
| Paramedics | | | | | | 272 |
| MICNs | | | | | | 175 |

* Alpine County EMS is dispatched by Alpine Co. Sheriff's Office on weekdays, and by Douglas Co., Nevada SO on nights and weekends

** Alpine County ground ambulances are BLS

Number of EMS Training Programs by County 2003

| | Alpine | | | Amador | | | Calaveras | | | Mariposa | | | Stanislaus | | | TOTAL | | |
|-------------------------------|--------|---|----|--------|---|---|-----------|---|----|----------|---|----|------------|----|-----|-------|----|-----|
| TRAINING PROGRAM | P | C | S | P | C | S | P | C | S | P | C | S | P | C | S | P | C | S |
| Programs / Classes / Students | | | | | | | | | | | | | | | | | | |
| EMD DISPATCHER | | | | | | | | | | | | | | | | | | |
| FIRST RESPONDER | | | | | | | | | | | | | | | | | | |
| Turlock Rural Fire | | | | | | | | | | | | | 1 | 1 | 13 | 1 | 1 | 13 |
| Modesto Junior College | | | | | | | | | | | | | 1 | 2 | 29 | 1 | 2 | 29 |
| Mariposa | | | | | | | | | | 1 | 5 | 77 | | | | 1 | 5 | 77 |
| Denair Fire | | | | | | | | | | | | | 1 | 1 | 14 | 1 | 1 | 14 |
| San Andreas | | | | | | | 1 | 2 | 28 | | | | | | | 1 | 2 | 28 |
| West Point | | | | | | | | | | | | | 1 | 1 | 13 | 1 | 1 | 13 |
| Bear Valley | 1 | 1 | 13 | | | | | | | | | | | | | 1 | 1 | 13 |
| Burbank - Paradise Fire | | | | | | | | | | | | | 1 | 1 | 16 | 1 | 1 | 16 |
| Crowslanding | | | | | | | | | | | | | 1 | 1 | 6 | 1 | 1 | 6 |
| Woodland Fire | | | | | | | | | | | | | 1 | 1 | 15 | 1 | 1 | 15 |
| Total | | 1 | 13 | | | | | 2 | 28 | | 5 | 77 | | 8 | 106 | | 16 | 224 |
| EMT-I | | | | | | | | | | | | | | | | | | |
| Abrams College | | | | | | | | | | | | | 1 | 7 | 134 | 1 | 7 | 134 |
| Modesto Junior College | | | | | | | | | | | | | 1 | 3 | 102 | 1 | 3 | 102 |
| Crowslanding | | | | | | | | | | | | | 1 | 1 | 16 | 1 | 1 | 16 |
| Yosemite National Park | | | | | | | | | | 1 | 1 | 11 | | | | 1 | 1 | 11 |
| Kirkwood | 1 | 1 | 18 | | | | | | | | | | | | | 1 | 1 | 18 |
| San Andreas | | | | | | | 1 | 1 | 36 | | | | | | | 1 | 1 | 36 |
| Ceres Adult School | | | | | | | | | | | | | 1 | 1 | 39 | 1 | 1 | 39 |
| Mariposa | | | | | | | | | | 1 | 1 | 21 | | | | 1 | 1 | 21 |
| Total | | 1 | 18 | | | | | 1 | 36 | | 2 | 32 | | 12 | 291 | | 16 | 377 |
| EMT-P | | | | | | | | | | | | | | | | | | |
| MVEMSA/Columbia College | | | | | | | | | | | | | 1 | 1 | 19 | 1 | 1 | 19 |
| Total | | | | | | | | | | | | | | 1 | 19 | | 1 | 19 |

| | Alpine | | | Amador | | | Calaveras | | | Mariposa | | | Stanislaus | | | TOTAL | | |
|-------------------------------|--------|---|---|--------|----|---|-----------|----|---|----------|----|---|------------|-----|---|-------|-----|---|
| TRAINING PROGRAM | P | C | S | P | C | S | P | C | S | P | C | S | P | C | S | P | C | S |
| Programs / Classes / Students | | | | | | | | | | | | | | | | | | |
| EMS C.E. | | | | | | | | | | | | | | | | | | |
| Patterson Ambulance | | | | | | | | | | | | | | | | | | |
| American Medical Response | | | | | | | | | | | | | | | | | | |
| Mercy Ambulance | | | | | | | | | | | | | | | | | | |
| Westside Ambulance | | | | | | | | | | | | | | | | | | |
| American Legion Ambulance | | | | | | | | | | | | | | | | | | |
| Air Med | | | | | | | | | | | | | | | | | | |
| Medi-Flight | | | | | | | | | | | | | | | | | | |
| Oak Valley Dist. Hospital | | | | | | | | | | | | | | | | | | |
| Emanuel Medical Center | | | | | | | | | | | | | | | | | | |
| Memorial Medical Center | | | | | | | | | | | | | | | | | | |
| Doctors Medical Center | | | | | | | | | | | | | | | | | | |
| Mark Twain St Joseph Hosp. | | | | | | | | | | | | | | | | | | |
| John C. Fremont Hospital | | | | | | | | | | | | | | | | | | |
| Sutter Amador Hospital | | | | | | | | | | | | | | | | | | |
| Alpine County Health Dept. | | | | | | | | | | | | | | | | | | |
| Yosemite Medical Clinic | | | | | | | | | | | | | | | | | | |
| Ceres Adult School | | | | | | | | | | | | | | | | | | |
| Ceres Public Safety | | | | | | | | | | | | | | | | | | |
| Medic Alert | | | | | | | | | | | | | | | | | | |
| Abrams College | | | | | | | | | | | | | | | | | | |
| Stroup & Associates | | | | | | | | | | | | | | | | | | |
| Mariposa Health Dept. | | | | | | | | | | | | | | | | | | |
| Cal. County OES | | | | | | | | | | | | | | | | | | |
| EMS Taught & Tested | | | | | | | | | | | | | | | | | | |
| Andrew Murphy | | | | | | | | | | | | | | | | | | |
| Peggy O'Rear | | | | | | | | | | | | | | | | | | |
| Kain Packwood | | | | | | | | | | | | | | | | | | |
| Arlene Whitaker | | | | | | | | | | | | | | | | | | |
| Totals | | | | 2 | 72 | | 3 | 93 | | 2 | 51 | | 10 | 505 | | 17 | 796 | |

**NUMBER OF CALLS DISPATCHED BY COUNTY
2003**

| (Population) | Alpine S.O * | Amador S.O | Calaveras S.O | Mariposa CDF | Stanislaus AMR | TOTAL |
|----------------------------------|-----------------|---------------|------------------|-----------------|-------------------|----------------|
| | 1,210 | 36,500 | 42,450 | 17,450 | 481,600 | 579,210 |
| TOTAL CALLS PROCESSED | | | | | | |
| Law | | | | | | 0 |
| Fire | | | | | | 0 |
| EMS | | | | | | 0 |
| Other | | | | | | |
| TOTAL | | | | | | 0 |
| EMS CALL ORIGIN | | | | | | |
| Received via 911 | | | | | | 0 |
| Received via Pvt Line | | | | | | 0 |
| Received Via Radio | | | | | | 0 |
| TOTAL | | | | | | 0 |
| EMD/PREARRIVAL INSTRUC | | | | | | |
| EMS Calls w EMD Only | | | | | | 0 |
| EMS Calls w EMD & PAI | | | | | | 0 |
| | | | | | | 0 |
| PERSONNEL | | | | | | |
| Number of Dispatchers | | | | | | 0 |
| Number of Call-Takers, or | | | | | | 0 |
| Number of Disp /Call Takers | | | | | | 0 |
| | | | | | | |
| WORKLOAD | | | | | | |
| Total Calls per Dispatcher/CT | | | | | | 0 |
| EMS Calls per Dispatcher/CT | | | | | | 0 |
| EMS: % of Total Calls | | | | | | % |
| | | | | | | 0 |
| | | | | | | 0 |

* Alpine County EMS is dispatched by Alpine Co. Sheriff's Office on weekdays, and by Douglas Co., Nevada SO on nights and weekends

NUMBER OF AMBULANCE RESPONSES BY COUNTY 2003

| | SCENE RESPONSES | | | HOSPITAL RESPONSES | | | | | | TOTAL Calls |
|--------------------|-----------------|--------------|-------------|-------------------------|-------------|-------------|----------------|--------------------|-------------|----------------|
| | Code 3 | Code 2 | Code 1 | INTERFACILITY TRANSFERS | | | TO HOSP. ED | TO HOSP. NON-ED | TO OTHER | |
| | | | | Code 3 | Code 2 | Code 1 | | | | |
| ALPINE | | | | | | | | | | |
| Alpine EMS | 128 | | | | | | | | | 128 |
| American Legion | 20 | 20 | | | | | | | | 40 |
| AMADOR | | | | | | | | | | |
| American Legion | 2160 | 607 | 2 | 22 | 859 | 3 | 77 | 626 | 181 | 3653 |
| CALAVERAS | | | | | | | | | | |
| American Legion | 334 | 97 | | 2 | 133 | | 3 | 74 | 58 | 566 |
| AMR | 474 | 97 | 13 | | 1 | 1 | 1 | | 1 | 586 |
| Ebbetts Pass | 251 | 54 | | | | | | | | 305 |
| San Andreas | 611 | 106 | 2 | 1 | 63 | 6 | 9 | 33 | 28 | 789 |
| Valley Springs | 566 | 118 | | 4 | 80 | 81 | 5 | 101 | 59 | 849 |
| MARIPOSA | | | | | | | | | | |
| Mercy | 633 | 150 | 44 | 4 | 244 | 29 | 174 | 89 | 14 | 1104 |
| STANISLAUS | | | | | | | | | | |
| AMR | 24805 | 6625 | 7053 | 162 | 418 | 1324 | 1064 | 282 | 558 | 40387 |
| Hughson | 1021 | 1686 | 568 | 5 | 1525 | 839 | 8 | 96 | 2265 | 5644 |
| Oak Valley | 2110 | 445 | 53 | 22 | 250 | 297 | 85 | 311 | 173 | 3177 |
| Patterson | 1063 | 194 | 1 | 2 | | | | | 2 | 1260 |
| West Side | 994 | 208 | 2 | 1 | 37 | 10 | 6 | 7 | 35 | 1252 |
| Helicopters | | | | | | | | | | |
| Air Med | 1053 | | | 340 | | | 281 | 7 | 52 | 1393 |
| Medi Flight | 570 | | | 162 | | | 130 | | 32 | 732 |
| TOTAL | 36793 | 10407 | 7738 | 727 | 3610 | 2590 | 1843 | 1626 | 3458 | 61865 |

Scene calls with unknow ambulance or Code of response = 1270

Transfer call with unknown code of response or call dispostion

CALL TYPES
PRIMARY DIAGNOSIS: MEDICAL
2003

| | Cardiac Arrest | Cardiac Chest Pain | Respiratory | Neuro | Medical | Poisonings | Environment/ Insect | Psych | OB | Other | TOTAL |
|--------------------|----------------|--------------------|-------------|-------------|-------------|-------------|------------------------|-------------|------------|--------------|--------------|
| ALPINE | | | | | | | | | | | |
| Alpine EMS | 2 | | 5 | 13 | 3 | | 1 | 1 | | 13 | 38 |
| American Legion | | | | 6 | 2 | | | | | 4 | 12 |
| AMADOR | | | | | | | | | | | |
| American Legion | 45 | 292 | 242 | 451 | 196 | 51 | 18 | 45 | 5 | 501 | 1846 |
| CALAVERAS | | | | | | | | | | | |
| American Legion | 11 | 35 | 47 | 65 | 44 | 11 | 3 | 3 | 2 | 66 | 287 |
| AMR | 13 | 65 | 40 | 70 | 7 | 7 | 3 | 6 | 1 | 138 | 350 |
| Ebbetts Pass | 4 | 19 | 17 | 35 | 15 | 8 | 1 | 4 | | 23 | 126 |
| San Andreas | 8 | 61 | 67 | 100 | 43 | 15 | 1 | 14 | 3 | 150 | 462 |
| Valley Springs | 11 | 80 | 75 | 86 | 57 | 14 | 3 | 21 | 1 | 120 | 468 |
| MARIPOSA | | | | | | | | | | | |
| Mercy | 23 | 74 | 75 | 136 | 68 | 20 | 7 | 18 | 3 | 113 | 537 |
| STANISLAUS | | | | | | | | | | | |
| AMR | 436 | 2062 | 3046 | 4213 | 268 | 781 | 20 | 974 | 205 | 16197 | 28202 |
| Hughson | 18 | 142 | 123 | 125 | 110 | 32 | 4 | 558 | 9 | 1582 | 2703 |
| Oak Valley | 70 | 199 | 316 | 414 | 198 | 78 | 14 | 42 | 14 | 598 | 1943 |
| Patterson | 19 | 73 | 101 | 136 | 81 | 29 | 9 | 28 | 8 | 242 | 726 |
| West Side | 24 | 91 | 137 | 112 | 122 | 12 | 12 | 19 | 14 | 276 | 819 |
| Helicopters | | | | | | | | | | | |
| Air Med | 8 | 8 | 4 | 170 | | 3 | | | 3 | 2 | 198 |
| Medi Flight | 3 | | 1 | 4 | | | | | 1 | 4 | 13 |
| TOTAL | 695 | 3201 | 4296 | 6136 | 1214 | 1061 | 96 | 1733 | 269 | 20029 | 38730 |

Primary Diagnosis Medical calls with unknown provider or primary illness = 10

CALL TYPES (CONTINUED)
PRIMARY DIAGNOSIS: ALL INJURIES & TRAUMA
2003

| | MOTOR VEHICLE | ASSAULT | NEAR DROWNING | PEDESTRIAN / BICYCLE | SPORTS/ RECREATION | ANIMAL INJURIES | FALL | Other | TOTAL |
|--------------------|------------------|-------------|------------------|-------------------------|-----------------------|--------------------|-------------|-------------|--------------|
| ALPINE | | | | | | | | | |
| Alpine EMS | 40 | | | 1 | 1 | 3 | 12 | 48 | 105 |
| American Legion | 1 | | | | 33 | | 1 | | 35 |
| AMADOR | | | | | | | | | 0 |
| American Legion | 315 | 36 | 1 | 17 | 66 | 15 | 357 | 103 | 910 |
| CALAVERAS | | | | | | | | | 0 |
| American Legion | 62 | 7 | | 1 | 5 | 1 | 48 | 10 | 134 |
| AMR | 115 | 18 | | 5 | | 3 | 80 | 36 | 257 |
| Ebbetts Pass | 51 | 1 | | 2 | 35 | 6 | 38 | 17 | 150 |
| San Andreas | 103 | 20 | 1 | 5 | 15 | 5 | 79 | 16 | 244 |
| Valley Springs | 95 | 9 | | 6 | 1 | 7 | 51 | 24 | 193 |
| MARIPOSA | | | | | | | | | |
| Mercy | 115 | 13 | 1 | 1 | 8 | 5 | 75 | 61 | 279 |
| STANISLAUS | | | | | | | | | |
| AMR | 3075 | 922 | 19 | 326 | 2 | 58 | 2038 | 729 | 7169 |
| Hughson | 112 | 32 | 4 | 4 | 7 | 7 | 134 | 88 | 388 |
| Oak Valley | 217 | 53 | 2 | 23 | 19 | 17 | 272 | 87 | 690 |
| Patterson | 272 | 40 | 2 | 9 | 4 | 12 | 96 | 76 | 511 |
| West Side | 200 | 25 | | 10 | 2 | 1 | 86 | 47 | 371 |
| Helicopters | | | | | | | | | 0 |
| Air Med | 192 | 12 | 2 | 12 | 27 | 11 | 48 | 23 | 327 |
| Medi Flight | 113 | 6 | | 5 | 8 | 2 | 10 | 9 | 153 |
| TOTAL | 5078 | 1194 | 32 | 427 | 233 | 153 | 3425 | 1374 | 11916 |

CALL TYPES (Continued)
PRIMARY DIAGNOSIS: TRAUMA (MAJOR)
BEGIN 2/2/04

| | ADULT | | | | | PEDIATRICS | | | | | TOTAL |
|--------------------|--------|---------|-------------|---------|-------|------------|---------|-------------|---------|-------|-------|
| | BLUNT | | PENETRATING | | BURNS | BLUNT | | PENETRATING | | BURNS | |
| | TIER I | TIER II | TIER I | TIER II | | TIER I | TIER II | TIER I | TIER II | | |
| ALPINE | | | | | | | | | | | |
| Alpine EMS | | | | | | | | | | | |
| AMADOR | | | | | | | | | | | |
| American Legion | | | | | | | | | | | |
| CALAVERAS | | | | | | | | | | | |
| American Legion | | | | | | | | | | | |
| AMR | | | | | | | | | | | |
| Ebbetts Pass | | | | | | | | | | | |
| San Andreas | | | | | | | | | | | |
| Valley Springs | | | | | | | | | | | |
| MARIPOSA | | | | | | | | | | | |
| Mercy | | | | | | | | | | | |
| STANISLAUS | | | | | | | | | | | |
| AMR | | | | | | | | | | | |
| Hughson | | | | | | | | | | | |
| Oak Valley | | | | | | | | | | | |
| Patterson | | | | | | | | | | | |
| West Side | | | | | | | | | | | |
| Helicopters | | | | | | | | | | | |
| Air Med | | | | | | | | | | | |
| Medi Flight | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | |

Structural Reports
SCENE CALL DISPOSITION
 (Code 2 and 3 Transport)
 2003

| | Hosp Trans Code 2 | Hosp Trans Code 3 | Trans Other Prov. | AMA/ PT Release | Dead on Scene | Cancel Enroute | Other | Unk. | Rendez- vous | TOTAL | ALS | BLS | Unk. Call Level | TOTAL |
|--------------------|-------------------------|-------------------------|-------------------------|-----------------------|---------------------|-------------------|------------|-----------|-----------------|--------------|--------------|--------------|-----------------------|--------------|
| ALPINE | | | | | | | | | | | | | | |
| Alpine EMS | | 1 | 59 | 46 | 4 | 1 | 2 | 3 | 10 | 126 | | 4 | 123 | 127 |
| American Legion | 40 | | | | | | | | | 40 | 31 | 9 | | 40 |
| AMADOR | | | | | | | | | | | | | | |
| American Legion | 2229 | 137 | | 11 | | | 25 | | 68 | 2470 | 2188 | 280 | 2 | 2470 |
| CALAVERAS | | | | | | | | | | | | | | |
| AMR | 8 | 1 | 5 | 2 | | | | | | 16 | 384 | 66 | | 450 |
| American Legion | 350 | 24 | | | | | 2 | | 15 | 391 | 339 | 53 | | 392 |
| Ebbetts | 205 | 13 | 1 | 1 | | | | | 17 | 237 | 200 | 37 | | 237 |
| San Andreas | 570 | 41 | | 2 | | | 1 | | 27 | 641 | 552 | 88 | 2 | 642 |
| Valley Springs | 572 | 43 | 1 | 1 | | | 4 | | 23 | 644 | 566 | 77 | 1 | 644 |
| MARIPOSA | | | | | | | | | | | | | | |
| Mercy | 461 | 22 | | 9 | | | 3 | | 42 | 537 | 461 | 91 | | 552 |
| STANISLAUS | | | | | | | | | | | | | | |
| AMR | 23628 | 1020 | 20 | 134 | 4 | | 126 | | | 24932 | 17684 | 7082 | 1021 | 25787 |
| Hughson | 2031 | 53 | 2 | 4 | 2 | | 532 | | 5 | 2629 | 858 | 1742 | 39 | 2639 |
| Oak Valley | 2336 | 108 | 2 | | | | 6 | | 11 | 2463 | 1685 | 746 | 32 | 2463 |
| Patterson | 802 | 41 | 2 | 12 | | | | | 9 | 866 | 714 | 137 | 15 | 866 |
| West Side | 765 | 31 | | 8 | 2 | | 2 | | 3 | 811 | 1 | 1 | 809 | 811 |
| Helicopters | | | | | | | | | | | | | | |
| Air Med | | 410 | 1 | | 1 | 615 | 24 | 2 | | 1053 | 365 | 5 | 683 | 1053 |
| Medi Flight | | 139 | 3 | 2 | 5 | 342 | | 75 | | 566 | 140 | 2 | 428 | 570 |
| TOTAL | 33997 | 2084 | 96 | 232 | 18 | 958 | 727 | 80 | 230 | 38422 | 26168 | 10420 | 3155 | 39743 |

Code 2 and 3 response calls with unknown call disposition or code of response = 1320

Call with unknown call level or unknown providers = 4

SCENE CALL DESTINATION 2003

| | Sutter Amador | Mark Twain | John C. Fremont | EMC | DMC | MMC | Oak Valley | Barton | Sutter Roseville | Washoe Reno | Children Oakland | SJGH | Children C Cal | UC Davis | OTHER | UN-KNOWN | TOTAL |
|--------------------|---------------|------------|-----------------|------|-------|-------|------------|--------|------------------|-------------|------------------|------|----------------|----------|-------|----------|-------|
| ALPINE | | | | | | | | | | | | | | | | | |
| Alpine EMS | | | | | | | | | | | | | | | | 128 | 128 |
| ALA | 6 | | | | | | | 34 | | | | | | | | | 40 |
| AMADOR | | | | | | | | | | | | | | | | | |
| ALA | 2279 | 6 | | | | | | 39 | 1 | | | | | 5 | 1 | | 2331 |
| CALAVERAS | | | | | | | | | | | | | | | | | |
| AMR | | 306 | | | 16 | 5 | | | | | | | | | 216 | | 543 |
| ALA | 114 | 256 | | | | | | 2 | | | | | | 2 | | | 374 |
| Ebbetts Pass | | 154 | | | | | | | | | | | | | 1 | | 155 |
| San Andreas | 11 | 508 | 1 | | 2 | 1 | | | | | | | | | | | 523 |
| Valley Springs | 6 | 557 | 1 | | 1 | 1 | 1 | | | | | 4 | | 2 | | | 573 |
| MARIPOSA | | | | | | | | | | | | | | | | | |
| Mercy | | | 315 | 1 | 15 | 4 | 4 | | | | | | 2 | | | | 341 |
| STANISLAUS | | | | | | | | | | | | | | | | | |
| AMR | | | | 5774 | 10825 | 10756 | 523 | | | | | | | | 2 | | 27880 |
| Hughson | | | | 355 | 907 | 740 | 119 | | | | | | | | 2 | | 2123 |
| Oak Valley | | | | 60 | 234 | 600 | 1627 | | | | | 2 | | | | | 2523 |
| Patterson | | | | 256 | 354 | 230 | 2 | | | | | 1 | | | | | 843 |
| West Side | | | | 266 | 200 | 109 | | | | | | | | | 1 | | 576 |
| Helicopters | | | | | | | | | | | | | | | | | 0 |
| Air Med | | | 1 | | 253 | 15 | | | | | | 29 | 2 | 24 | | | 324 |
| Medi Flight | | | | | 13 | 120 | | | | | | 3 | 1 | 1 | | | 138 |
| TOTAL | 2416 | 1787 | 318 | 6712 | 12820 | 12581 | 2276 | 75 | 1 | 0 | 0 | 39 | 5 | 34 | 223 | 128 | 39415 |

Process Reports
Training Programs
 2003

PR-01

| TRAINING PROGRAM | Number of Classes | # of Students Starting | # of Students Completing | # Took Cert / Lic Exam | # Passed 1st Attempt | # Passed 2nd Attempt | # Did Not Pass | Completion Score * | Cum Eval. Score ** |
|-------------------------|--------------------------|-------------------------------|---------------------------------|-------------------------------|-----------------------------|-----------------------------|-----------------------|---------------------------|---------------------------|
| EMD DISPATCHER | | | | | | | | | |
| Total | | | | | | | | | |
| FIRST RESPONDER | | | | | | | | | |
| Turlock Rural Fire | 1 | | 13 | 13 | 13 | 0 | 0 | 100% | N/A |
| Modesto Junior College | 2 | | 29 | 23 | 17 | 0 | 6 | 74% | N/A |
| Mariposa | 5 | | 77 | 77 | 76 | 0 | 1 | 99% | N/A |
| Denair Fire | 1 | | 14 | 14 | 14 | 0 | 0 | 100% | N/A |
| MVEMSA - San Andreas | 2 | | 23 | 22 | 20 | 0 | 3 | 91% | N/A |
| West Point | 1 | | 13 | 13 | 11 | 0 | 2 | 85% | N/A |
| Bear Valley | 1 | | 13 | 13 | 13 | 0 | 0 | 100% | N/A |
| Burbank - Paradise Fire | 1 | | 16 | 16 | 13 | 2 | 1 | 94% | N/A |
| Crowslanding | 1 | | 6 | 6 | 6 | 0 | 0 | 100% | N/A |
| Woodland Fire | 1 | | 15 | 15 | 15 | 0 | 0 | 100% | N/A |
| Total | 16 | | 219 | 212 | 198 | 2 | 13 | 94% | |
| EMT-I | | | | | | | | | |
| Abrams College | 7 | 139 | 135 | 134 | 99 | 13 | 27 | 84% | N/A |
| Modesto Junior College | 3 | | 103 | 98 | 82 | 10 | 6 | 94% | N/A |
| Crowslanding | 1 | | 16 | 15 | 12 | 2 | 2 | 93% | N/A |
| MVEMSA - Yosemite | 1 | | 11 | 11 | 11 | 0 | 0 | 100% | N/A |
| MVEMSA - Kirkwood | 1 | | 17 | 17 | 15 | 1 | 1 | 94% | N/A |
| MVEMSA - San Andreas | 1 | 43 | 36 | 36 | 21 | 5 | 10 | 72% | N/A |
| Ceres Adult School | 1 | | 39 | 37 | 32 | 4 | 1 | 97% | N/A |
| MVEMSA - Mariposa | 1 | 37 | 21 | 21 | 21 | 0 | 0 | 100% | N/A |
| Total | 16 | 219 | 378 | 369 | 293 | 35 | 47 | 89% | |
| EMT-P | | | | | | | | | |
| MVEMSA/Columbia College | 1 | 20 | 19 | 19 | 18 | 1 | 0 | 100% | N/A |
| Total | 1 | 20 | 19 | 19 | 18 | 1 | 0 | 100% | |

| TRAINING PROGRAM | Number of Classes | # of Students Starting | # of Students Completing | # Took Cert / Lic Exam | # Passed 1st Attempt | # Passed 2nd Attempt | # Did Not Pass | Completion Score * | Cum Eval. Score ** |
|----------------------------|--------------------------|-------------------------------|---------------------------------|-------------------------------|-----------------------------|-----------------------------|-----------------------|---------------------------|---------------------------|
| MICN | | | | | | | | | |
| MVEMSA/MMC | 2 | 14 | 12 | 12 | 12 | 0 | 0 | 100% | N/A |
| Total | 2 | | | | | | | | |
| EMS C.E. | | | | | | | | | |
| EMT Re-Certification Class | 3 | | 35 | | | | | | N/A |
| ALS Training | 6 | 358 | 358 | | | | | | N/A |
| MCI | 5 | 101 | 101 | | | | | | N/A |
| Terrorism Conference | 1 | 21 | 21 | | | | | | N/A |
| CDROM - #1 | | 75 | 75 | | | | | | N/A |
| CDROM - MCF | | 123 | 123 | | | | | | N/A |
| Prehospital Symposium | 1 | 65 | 65 | | | | | | N/A |
| ICS - 200 | 1 | 18 | 18 | | | | | | N/A |
| Total | 17 | 761 | 796 | | | | | | |

* Completion Score = Number of students successfully passing exam (1st or 2nd attempt) / Number of students that took the exam.

** Cumulative Evaluation Score = Mean Score (1-5 with 5 being highest) from student course evaluation surveys.

**EMS Dispatch Centers
2003**

| 911 EMS CALLS | Alpine S.O | | Amador S.O | | Calaveras S.O | | Mariposa CDF | | Stanislaus AMR | | EMS REGION | |
|------------------------------|------------|-----|------------|-----|---------------|-----|--------------|-----|----------------|-----|------------|-----|
| | MEAN | 90% | MEAN | 90% | MEAN | 90% | MEAN | 90% | MEAN | 90% | MEAN | 90% |
| LAPSE TIME | | | | | | | | | | | | |
| 1st Ring to Pick-up | | | | | | | | | | | | |
| Pick-up to 1st Resp.Dispatch | | | | | | | | | | | | |
| Pick-up to Amb. Dispatch | | | | | | | | | | | | |
| 1st Ring to Amb. Dispatch | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| EMD COMPLIANCE * | | | | | | | | | | | | |
| Case Entry (%) | | | | | | | | | | | | |
| Key Questions | | | | | | | | | | | | |
| PAI Compliance | | | | | | | | | | | | |
| PDI Compliance | | | | | | | | | | | | |
| Chief Complaint | | | | | | | | | | | | |
| Final Coding | | | | | | | | | | | | |
| COMPLIANCE SCORE | | | | | | | | | | | | |
| CUSTOMER SERVICE | | | | | | | | | | | | |

* Based upon an audit of 3%, or 100% (whichever number is greater) of EMS calls received.

Advanced ALS Skills Success Rate 2003

| | ADULT | | | | | | | | PEDIATRICS | | | | | | Needle Cricothyro | | Needle Thoracos | |
|--------------------|-------------------|------------|------------|------------|-----------|------------|--------------|------------|------------|------------|------------|------------|----------|------------|-------------------|-------------|-----------------|-------------|
| | ET (Oral) | | ET (Nasal) | | Combitube | | IV | | ET | | IV | | IO | | # | % | # | % |
| | # | % | # | % | # | % | # | % | # | % | # | % | # | % | | | | |
| ALPINE | | | | | | | | | | | | | | | | | | |
| Alpine EMS | No Data Available | | | | | | | | | | | | | | | | | |
| AMADOR | | | | | | | | | | | | | | | | | | |
| American Legion | 42 | 64% | 11 | 27% | 4 | 25% | 1687 | 88% | 1 | 100% | 25 | 64% | 2 | 100% | 0 | | 0 | |
| CALAVERAS | | | | | | | | | | | | | | | | | | |
| American Legion | 14 | 79% | 0 | | 2 | 100% | 279 | 88% | 0 | | 2 | 100% | 0 | | 0 | | 0 | |
| AMR | 7 | 86% | 3 | 67% | 0 | | 299 | 86% | 0 | | 4 | 100% | 0 | | 0 | | 0 | |
| Ebbetts Pass | 6 | 67% | 1 | 0% | 0 | | 155 | 88% | 0 | | 4 | 100% | 0 | | 0 | | 0 | |
| San Andreas | 7 | 57% | 0 | | 1 | 100% | 375 | 88% | 0 | | 4 | 75% | 1 | 100% | 0 | | 0 | |
| Valley Springs | 12 | 67% | 5 | 0% | 2 | 50% | 468 | 93% | 0 | | 12 | 92% | 0 | | 0 | | 0 | |
| MARIPOSA | | | | | | | | | | | | | | | | | | |
| Mercy | 19 | 68% | 3 | 67% | 0 | | 496 | 83% | 1 | 100% | 7 | 100% | 0 | | 0 | | 0 | |
| STANISLAUS | | | | | | | | | | | | | | | | | | |
| AMR | 309 | 88% | 25 | 52% | 4 | 75% | 13047 | 91% | 13 | 85% | 318 | 87% | 6 | 67% | 2 | 100% | 0 | |
| Hughson | 19 | 63% | 10 | 50% | 2 | 100% | 671 | 92% | 4 | 75% | 11 | 91% | 0 | | 0 | | 0 | |
| Oak Valley | 34 | 76% | 1 | 100% | 2 | 0% | 1156 | 83% | 5 | 80% | 23 | 83% | 0 | | 0 | | 0 | |
| Patterson | 17 | 65% | 6 | 0% | 1 | 100% | 491 | 88% | 4 | 75% | 13 | 62% | 0 | | 0 | | 0 | |
| West Side | 18 | 72% | 3 | 0% | 0 | | 347 | 88% | 0 | | 9 | 89% | 0 | | 0 | | 0 | |
| Helicopters | | | | | | | | | | | | | | | | | | |
| Air Med | No Data Available | | | | | | | | | | | | | | | | | |
| Medi Flight | 34 | 88% | 0 | | 0 | | 168 | 48% | 2 | 50% | 23 | 74% | 0 | | 0 | | 2 | 100% |
| TOTAL | 538 | 72% | 68 | 36% | 18 | 69% | 19639 | 85% | 30 | 81% | 455 | 86% | 9 | 89% | 2 | 100% | 2 | 100% |

= Total number of skills (successful and unsuccessful)

% = Percent of skill success

Medication Administration 2003

| | *TPA Activase | *Verap | *Amino | *Diltiazem | *Flumazenil | *Heparin | *Demerol | *Methylpre | *Nifedipine | *Nitroprus | *Norepine | *Phenobarb | *Pheny | *Racemic Epi | *Zemuron | *Vasopres |
|--------------------|------------------|----------|----------|------------|-------------|----------|----------|------------|-------------|------------|-----------|------------|----------|-----------------|-----------|-----------|
| ALPINE | | | | | | | | | | | | | | | | |
| Alpine EMS | | | | | | | | | | | | | | | | |
| American Legion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AMADOR | | | | | | | | | | | | | | | | |
| American Legion | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CALAVERAS | | | | | | | | | | | | | | | | |
| American Legion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AMR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ebbetts Pass | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| San Andreas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Valley Springs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MARIPOSA | | | | | | | | | | | | | | | | |
| Mercy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| STANISLAUS | | | | | | | | | | | | | | | | |
| AMR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hughson | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oak Valley | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Patterson | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Side | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Helicopters | | | | | | | | | | | | | | | | |
| Air Med | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 | 0 |
| Medi Flight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 0 |
| TOTAL | 0 | 4 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66 | 0 |

* = Medications not in the EMT-P scope of practice except for monitoring only. These are for flight nurses and transfer nurses.

Chest Pain: Suspected Cardiac Origin 2003

| | # of Cases Per PCR | Confirmed Cases per ED | % Confirmed | TX Administered (% of Total) | | | | | | | ED Disposition | | | |
|--------------------|-----------------------|---------------------------|----------------|------------------------------|-------------|------------|-------------|-------------|------------|----------|----------------|----------|-------------|------------|
| | | | | O2 | Monitor | ASA | NTG | IV | MS | ↓ Symp | Home | Died | Transferred | Admit |
| ALPINE | | | | | | | | | | | | | | |
| Alpine EMS | 0 | N/A | N/A | | | | | | | N/A | | | | |
| AMADOR | | | | | | | | | | | | | | |
| American Legion | 234 | | | 183 | 227 | 155 | 196 | 199 | 73 | | 58 | 0 | 61 | 90 |
| CALAVERAS | | | | | | | | | | | | | | |
| American Legion | 27 | | | 22 | 26 | 19 | 25 | 23 | 5 | | 14 | 0 | 2 | 9 |
| AMR | 44 | | | 34 | 44 | 0 | 34 | 31 | 12 | | 12 | 0 | 0 | 11 |
| Ebbetts Pass | 16 | | | 11 | 13 | 6 | 12 | 11 | 3 | | 4 | 0 | 2 | 5 |
| San Andreas | 55 | | | 47 | 52 | 23 | 39 | 38 | 11 | | 11 | 0 | 2 | 20 |
| Valley Springs | 65 | | | 28 | 49 | 21 | 51 | 52 | 17 | | 21 | 0 | 3 | 25 |
| MARIPOSA | | | | | | | | | | | | | | |
| Mercy | 65 | | | 54 | 64 | 30 | 48 | 45 | 18 | | 3 | 0 | 3 | 1 |
| STANISLAUS | | | | | | | | | | | | | | |
| AMR | 1282 | | | 1183 | 1243 | 0 | 781 | 953 | 165 | | 207 | 1 | 0 | 224 |
| Hughson | 119 | | | 103 | 104 | 23 | 90 | 101 | 56 | | 25 | 0 | 2 | 25 |
| Oak Valley | 150 | | | 135 | 132 | 49 | 98 | 108 | 19 | | 41 | 0 | 8 | 30 |
| Patterson | 62 | | | 54 | 55 | 41 | 49 | 39 | 14 | | 13 | 0 | 1 | 19 |
| West Side | 74 | | | 69 | 66 | 7 | 53 | 40 | 1 | | 4 | 0 | 0 | 6 |
| Helicopters | | | | | | | | | | | | | | |
| Air Med | 7 | | | 7 | 7 | 0 | 4 | 1 | 5 | | N/A | N/A | N/A | N/A |
| Medi Flight | 0 | | | | | | | | | | | | | |
| TOTAL | 2200 | 0 | 0 | 1930 | 2082 | 374 | 1480 | 1641 | 399 | 0 | 413 | 1 | 84 | 465 |

* N/A = Data Not Available

Cardiac Arrest (Transported) 2003

| | Initial Arrest Rhythm | | | | TOTAL TRANS | E.D. Disposition | | | | | | | Discharge Disposition | | | |
|--------------------|-----------------------|-----------|------------|-----------|----------------|------------------|-------------|-----------|----------|----------|----------------|----------|-----------------------|----------|-------------|----------|
| | VFib/Tach | PEA | Asystole | Other | | Home | Admit Floor | ICU/CCU | Transfer | AMA | DOA/Died in ED | Unknown | Home | Died | Transferred | Unknown |
| ALPINE | | | | | | | | | | | | | | | | |
| Alpine EMS | | | | | 0 | | | | | | | | | | | |
| AMADOR | | | | | | | | | | | | | | | | |
| American Legion | 2 | 1 | 12 | 4 | 19 | | | 2 | 2 | | 13 | | N/A | N/A | N/A | N/A |
| CALAVERAS | | | | | | | | | | | | | | | | |
| American Legion | 1 | 1 | 4 | | 6 | | | | | | 4 | | N/A | N/A | N/A | N/A |
| AMR | | | | 4 | 4 | | | | | | | | N/A | N/A | N/A | N/A |
| Ebbetts Pass | 1 | 1 | | 1 | 3 | | | | | | 3 | | N/A | N/A | N/A | N/A |
| San Andreas | 4 | | | | 4 | | | 2 | 1 | | | | N/A | N/A | N/A | N/A |
| Valley Springs | 2 | | 1 | 2 | 5 | 1 | | | | | 4 | | N/A | N/A | N/A | N/A |
| MARIPOSA | | | | | | | | | | | | | | | | |
| Mercy | 2 | 1 | 1 | 1 | 5 | | | | | | 1 | | N/A | N/A | N/A | N/A |
| STANISLAUS | | | | | | | | | | | | | | | | |
| AMR | 45 | 44 | 111 | 27 | 227 | 4 | 12 | 7 | 2 | | 65 | | 1 | 4 | | |
| Hughson | 2 | | 7 | | 9 | | 1 | 1 | | | 4 | | 1 | 1 | | |
| Oak Valley | 4 | 8 | 5 | 1 | 18 | 2 | | | 1 | | 12 | | N/A | N/A | N/A | N/A |
| Patterson | 4 | 1 | 5 | 1 | 11 | | | 1 | 1 | | 5 | | N/A | N/A | N/A | N/A |
| West Side | ? | ? | ? | ? | 13 | | | 2 | | | 3 | | N/A | N/A | N/A | N/A |
| Helicopters | | | | | | | | | | | | | | | | |
| Air Med | ? | ? | ? | ? | 8 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Medi Flight | ? | ? | ? | ? | 1 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| TOTAL | 67 | 57 | 146 | 41 | 333 | 7 | 13 | 15 | 7 | 0 | 114 | 0 | 2 | 5 | 0 | 0 |

N/A = Data not available

Pulseless V Fib /Tach (Witnessed)
2003

| | Pre ALS TX (% of Total) | | | ALS TX Administered (% of Total) | | | | | | %Return of Circulation | ED Disposition | | | Hosp Discharge | | |
|--------------------|-------------------------|-----|-------------|----------------------------------|-----|------------|-----|------|--------|------------------------|----------------|-------|------|----------------|-------|------|
| | Citez CPR | AED | Shock<10min | Defib <1min | E.T | CO2 Detect | EPI | Lido | NaHCO3 | | Admit | Trans | Died | Home | Trans | Died |
| ALPINE | | | | | | | | | | | | | | | | |
| Alpine EMS | | | | | | | | | | | | | | | | |
| AMADOR | | | | | | | | | | | | | | | | |
| American Legion | | | | | | | | | | | | | | | | |
| CALAVERAS | | | | | | | | | | | | | | | | |
| American Legion | | | | | | | | | | | | | | | | |
| AMR | | | | | | | | | | | | | | | | |
| Ebbetts Pass | | | | | | | | | | | | | | | | |
| San Andreas | | | | | | | | | | | | | | | | |
| Valley Springs | | | | | | | | | | | | | | | | |
| MARIPOSA | | | | | | | | | | | | | | | | |
| Mercy | | | | | | | | | | | | | | | | |
| STANISLAUS | | | | | | | | | | | | | | | | |
| AMR | | | | | | | | | | | | | | | | |
| Hughson | | | | | | | | | | | | | | | | |
| Oak Valley | | | | | | | | | | | | | | | | |
| Patterson | | | | | | | | | | | | | | | | |
| West Side | | | | | | | | | | | | | | | | |
| Helicopters | | | | | | | | | | | | | | | | |
| Air Med | | | | | | | | | | | | | | | | |
| Medi Flight | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | |

SOB: Suspected Bronchospasms 2003

| | # of Cases Per PCR | Confirmed Cases per ED | % Confirmed | TX Administered (% of Total) | | | | | | | E.D. Disposition | | | |
|--------------------|-----------------------|---------------------------|----------------|------------------------------|------------|------------|------------|-----------|----------|--------|------------------|----------|-----------|----------|
| | | | | O2 | Monitor | Albuterol | IV | Nitro* | Lasix* | ↓ Symp | Home | Died | Admit | Transfer |
| ALPINE | | | | | | | | | | | | | | |
| Alpine EMS | 0 | N/A | N/A | | | | | | | N/A | | | | |
| AMADOR | | | | | | | | | | | | | | |
| American Legion | 36 | | | 17 | 32 | 33 | 26 | 2 | 0 | | 22 | 0 | 9 | 4 |
| CALAVERAS | | | | | | | | | | | | | | |
| American Legion | 4 | | | 4 | 4 | 2 | 1 | 1 | 0 | | 1 | 0 | 2 | 0 |
| AMR | 0 | | | | | | | | | | | | | |
| Ebbetts Pass | 1 | | | 0 | 1 | 1 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 |
| San Andreas | 9 | | | 3 | 8 | 9 | 7 | 2 | 0 | | 0 | 0 | 3 | 1 |
| Valley Springs | 12 | | | 4 | 4 | 10 | 6 | 0 | 0 | | 7 | 0 | 1 | 0 |
| MARIPOSA | | | | | | | | | | | | | | |
| Mercy | 14 | | | 10 | 14 | 13 | 11 | 2 | 0 | | 2 | 0 | 1 | 0 |
| STANISLAUS | | | | | | | | | | | | | | |
| AMR | 186 | | | 148 | 158 | 152 | 89 | 2 | 0 | | 38 | 0 | 21 | 2 |
| Hughson | 20 | | | 9 | 15 | 16 | 12 | 1 | 0 | | 4 | 0 | 3 | 0 |
| Oak Valley | 34 | | | 15 | 14 | 31 | 12 | 2 | 0 | | 17 | 0 | 5 | 0 |
| Patterson | 24 | | | 14 | 19 | 19 | 14 | 3 | 0 | | 5 | 0 | 4 | 0 |
| West Side | 29 | | | 23 | 20 | 19 | 10 | 3 | 0 | | 4 | 0 | 1 | 0 |
| Helicopters | | | | | | | | | | | | | | |
| Air Med | 0 | | | | | | | | | | | | | |
| Medi Flight | 0 | | | | | | | | | | | | | |
| TOTAL | 369 | | | 247 | 289 | 305 | 188 | 18 | 0 | | 100 | 0 | 50 | 7 |

* Not per Protocol

* N/A = Not Available

SOB: Suspected Fluid Overload
2003

(patient transported)

| | # of Cases Per PCR | Confirmed Cases per ED | % Confirmed | TX Administered (% of Total) | | | | | | | | | E.D. Disposition | | | | |
|--------------------|-----------------------|---------------------------|----------------|------------------------------|------------|------------|------------|-----------|----------|----------|-----------------------|----------|------------------|----------|------------|-----------|--|
| | | | | O2 | Monitor | NTG | IV | MS | Lasix | Dopamine | Albuter* [*] | ↓ Symp | Home | Died | Admit | Transfer | |
| ALPINE | | | | | | | | | | | | | | | | | |
| Alpine EMS | 0 | N/A | N/A | | | | | | | | | | N/A | | | | |
| AMADOR | | | | | | | | | | | | | | | | | |
| American Legion | 39 | | | 29 | 38 | 28 | 34 | 9 | 0 | 0 | 4 | | 11 | 1 | 19 | 5 | |
| CALAVERAS | | | | | | | | | | | | | | | | | |
| American Legion | 5 | | | 4 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | | 1 | 0 | 4 | 0 | |
| AMR | 0 | | | | | | | | | | | | | | | | |
| Ebbetts Pass | 4 | | | 4 | 4 | 2 | 3 | 0 | 0 | 0 | 0 | | 0 | 0 | 2 | 0 | |
| San Andreas | 11 | | | 8 | 10 | 9 | 9 | 0 | 0 | 0 | 4 | | 1 | 0 | 8 | 1 | |
| Valley Springs | 7 | | | 2 | 7 | 4 | 7 | 1 | 0 | 0 | 2 | | 0 | 0 | 4 | 0 | |
| MARIPOSA | | | | | | | | | | | | | | | | | |
| Mercy | 6 | | | 6 | 6 | 5 | 4 | 0 | 0 | 0 | 1 | | 0 | 0 | 0 | 0 | |
| STANISLAUS | | | | | | | | | | | | | | | | | |
| AMR | 217 | | | 201 | 199 | 125 | 150 | 11 | 0 | 1 | 27 | | 20 | 0 | 67 | 3 | |
| Hughson | 12 | | | 10 | 12 | 8 | 9 | 1 | 0 | 0 | 3 | | 2 | 0 | 3 | 0 | |
| Oak Valley | 48 | | | 42 | 31 | 10 | 22 | 0 | 0 | 0 | 10 | | 6 | 0 | 18 | 1 | |
| Patterson | 3 | | | 2 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | | 1 | 0 | 0 | 1 | |
| West Side | 19 | | | 17 | 18 | 14 | 7 | 0 | 0 | 0 | 3 | | 1 | 0 | 3 | 0 | |
| Helicopters | | | | | | | | | | | | | | | | | |
| Air Med | 0 | | | | | | | | | | | | | | | | |
| Medi Flight | 0 | | | | | | | | | | | | | | | | |
| TOTAL | 371 | 0 | 0 | 325 | 333 | 213 | 252 | 22 | 0 | 1 | 54 | 0 | 43 | 1 | 128 | 11 | |

* Not per Protocol

* N/A = Not Available

