

# STATE OF COLORADO

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Colorado Department  
of Public Health  
and Environment

## Emergency Medical and Trauma Services System Annual Legislative Report

Submitted to the Colorado Legislature  
By the Emergency Medical Services and Prevention Division  
Colorado Department of Public Health and Environment  
November 1, 2000

## DOCUMENT INFORMATION

Title: Report to the Legislature Concerning the Emergency Medical Services and Trauma Services System

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## **EXECUTIVE SUMMARY**

Colorado's emergency medical and trauma services system provides immediate care to the sick and injured 24 hours a day, 365 days a year. The survival of many patients depends on several factors including the availability of appropriately trained health care providers, as well as properly equipped ambulances, trauma centers, and other healthcare facilities.

Establishment of the *Emergency Medical Services Act of 1978*, the Emergency Medical Services (EMS) Account in 1989, the *Trauma Act of 1995* and the *Emergency Medical and Trauma Services Act of 2000* provide authority and limited funding for the development of a comprehensive emergency medical and trauma service system for Colorado.

Initial effectiveness evaluations of the trauma system since passage of the 1995 legislation have demonstrated a statistically significant decrease in mortality rates among the moderately injured trauma patient.

## **COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT'S ROLE**

The Colorado Department of Public Health and Environment (the department) shares regulatory responsibilities for overall system development with the Colorado Board of Medical Examiners and the governing bodies of each of Colorado's counties. Additionally, there have been two governor-appointed advisory committees, the State Advisory Council on Emergency Medical Services (Appendix A) and the State Trauma Advisory Council (Appendix B) which provide recommendations on rules, implementation of program activities, and assistance with the identification of system needs and priorities. One of the significant outcomes of the passage of the *Emergency Medical and Trauma Services Act of 2000* was the dissolution of the two advisory councils and the creation of one combined council with the responsibility to provide guidance to overall system development.

### **Emergency Medical Services and Prevention Division - Prehospital Care Program**

Originally defined by the *EMS Act of 1978*, and modified by the *Emergency Medical and Trauma Services Act of 2000*, the department's primary roles in the development of emergency medical services throughout the state are as follows:

- The certification of emergency medical technicians (EMTs) involving: processing applications, administering certification exams, issuing EMT certificates and investigating complaints involving EMTs.
- The regulation of institutions providing emergency medical technician training involving: developing curricula, approving course content, monitoring the quality of instruction and investigating complaints.
- The administration and management of both the county subsidy and emergency medical services provider grant programs.
- Technical support at the community level for the development and provision of emergency medical services across the state.

## **Emergency Medical Services and Prevention Division - Trauma Program**

Originally defined by the *Trauma System Act of 1995* and modified by the *Emergency Medical and Trauma Service System Act of 2000*, the department's primary roles in the development of the State's trauma system are as follows:

- Designating health care facilities as trauma centers – Levels I – IV (Level V was authorized in 2000). Designation of trauma centers began in June of 1998 and, as of September 2000, the department has designated 63 trauma centers.
- Identifying the responsibilities of the Area Trauma Advisory Councils (ATACs) for regional planning. In July 2001, Regional Emergency Medical and Trauma Advisory Councils or RETACs will replace the ATACs.
- Defining the facility requirements for the Colorado Trauma Registry.
- Providing direction and limited technical assistance to Area Trauma Advisory Councils for the development of area plans, trauma triage protocols, and organizational issues critical to local trauma system implementation through FY2000.

## **FUNDING**

The Prehospital Care and Trauma Programs are funded primarily from the EMS Account of the Highway Users Tax Fund (HUTF) and the collection of trauma center designation fees. The EMS Account funds the EMS provider grants program, the county subsidy program, and the direct and indirect expenses of the Prehospital Care Program. The Trauma Program is partially funded through EMS Account funds in addition to fees collected through the trauma center designation process. No General Fund monies are provided for either program.

## **CHALLENGES**

The main challenge facing the continued growth of a comprehensive Emergency Medical and Trauma Service System for Colorado is the need for coordinated, effective and efficient utilization of local emergency medical and trauma services across the state. Furthermore, existing resources may limit the system's ability to achieve maximum statewide efficiency. These challenges need to be addressed by the emergency medical and trauma services provider community and the department.

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## INTRODUCTION

Emergency medical and trauma care services are defined as the need for immediate healthcare services resulting from injury or sudden illness, particularly when there is a threat to life or long-term functional abilities. These services are provided by prehospital providers and agencies (emergency medical technicians and ambulance agencies), trauma centers and other healthcare facilities (clinics and all other hospitals). Additionally, these unique services must be immediately available 24 hours a day, 365 days a year. The outcome of many of these patients is dependent upon several factors, including the immediate availability of appropriately trained individuals and properly equipped ambulances, trauma centers and other healthcare facilities. A coordinated emergency medical and trauma service system offers timely healthcare services for Colorado's residents and visitors regardless of age, socioeconomic status, or special needs.

Components of Colorado's emergency medical and trauma system include:

- Public Information and Education
- Injury Prevention
- Communications Systems
- Prehospital Care/Provider Training and Certification
- Prehospital Care/Transport Protocols and Licensure Standards
- Hospital/Acute Care /Designated Trauma Centers
- Rehabilitative Care
- Disaster Medical Care
- Education and Research
- Trauma Registry
- Prehospital Data Collection
- State and Regional Continuing Quality Improvement
- Regional Emergency Medical and Trauma Advisory Councils/Planning

Each of these components will be discussed in greater depth throughout the body of this report. The first part of the report will focus on the utilization of state resources available for system development. This part is followed by a summary of the status of each system component.

## Part I

# Emergency Medical Services Prehospital Care and Trauma Funding

### OVERVIEW OF FISCAL 2001 FUNDING

Funding for the Prehospital Care and Trauma Programs comes primarily from the Emergency Medical Services (EMS) Account and the collection of trauma center designation fees. The EMS Account supports the EMS provider grant program, the county subsidy program, and the direct and indirect expenses of the Prehospital Care Program. The Trauma Program is supported in part by EMS Account funds and by fees collected through the trauma center designation process. No General Fund moneys are provided to either program. Table 1 outlines the funding for FY01.

| Category   | HUTF/ EMS Account        |                  | Trauma Center Designation Fees |
|--|--------------------------|------------------|--------------------------------|
|  | Prehospital Care Program | Trauma Program   |                                |
| EMS provider grants  | \$2,762,976              | *                |                                |
| County subsidy   | 950,817                  | n/a              |                                |
| Program administration   | 546,224                  | 212,441          | n/a                            |
| Trauma center designation (administration & survey team costs) | n/a                      | n/a              | 388,180                        |
| Indirect cost assessment                                       | 167,157                  | 47,374           | 29,928                         |
| <b>TOTAL</b>   | <b>\$4,427,174</b>       | <b>\$259,815</b> | <b>\$418,108</b>               |

Table 1: Fiscal Year 01 Funding.

\* The amount allocated in previous years for ATACs has been combined with the amount previously allocated to EMS Regional Systems grants, into funding for RETACs in the Prehospital Care column.

| <b>Emergency Medical Services Grant Funding 2000-2001</b>        |                    |                         |
|--|--------------------|-------------------------|
|  | <b>Awarded</b>     | <b>Award Percentage</b> |
| <b>Provider Grants</b>   |                    |                         |
| Communications   | 330,390            | 12%                     |
| Emergency Medical Services equipment                             | 419,129            | 15%                     |
| Emergency vehicles   | 619,489            | 22%                     |
| Recruitment and retention  | 25,000             | 1%                      |
| Training   | 260,079            | 9%                      |
| <b>Provider Grants Subtotal</b>                                  | <b>1,654,087</b>   | <b>59%</b>              |
| <b>Emergency Fund</b>  |                    |                         |
|  | <b>100,000</b>     | <b>4%</b>               |
| <b>Special Projects</b>  |                    |                         |
| Ambulance reimbursement conference                               | 2,000              |                         |
| CPR directive curriculum revision                                | 5,000              |                         |
| Data registry project  | 150,000            |                         |
| Instructor course subsidy  | 15,000             |                         |
| Instructor development   | 4,000              |                         |
| Leadership quality improvement conference                        | 6,000              |                         |
| SEMTAC Statewide Planning Project                                | 13,000             |                         |
| <b>Special Projects Subtotal</b>                                 | <b>195,000</b>     | <b>7%</b>               |
| <b>Regional Emergency Medical &amp; Trauma Advisory Councils</b> |                    |                         |
|  | <b>834,525</b>     | <b>30%</b>              |
| <b>Total</b>   | <b>2,783,612</b>   |                         |
| Amount to be obtained from grant recipient turnback*             | -20,636            |                         |
| Reconciliation to appropriation                                  | <b>\$2,762,976</b> |                         |

Table 2: Anticipated grants distribution for FY01

\*In recent years, reversions (the unused amount of the annual appropriation) from the grants program have been very large. The program has adopted several strategies to reduce the reversion level. One strategy is to overbudget by a modest amount, with the expectation the difference will be made up through turn back of funds by grant recipients. (Turn back of funds can result from a number of factors, including actual costs being less than budgeted, unavailability of course instructors or equipment, and changes in recipient's needs.) The program is also making a strong effort, and urging recipients also, to identify turn back funds early enough in the year that they can be reallocated to other projects or new grants.

The Emergency Fund (\$100,000) was established to provide immediate financial assistance to EMS provider agencies experiencing unexpected problems causing the degradation or potential elimination of the provision of emergency medical services. This fund is used to solve immediate problems when the grant funding processing deadlines have passed. Emergency grants thus far have included assistance given to Baca/Crestone Ambulance Service to replace their ambulance.



## Funding Distribution - Statewide Projects for FY01

- Instructor Course Subsidy - \$15,000

Funding for this project reduces the cost of tuition for emergency medical services instructor training by 50 percent. Two series of courses will be offered this fiscal year.

- Instructor Development - \$4,000

The instructor development process continues to evolve, to refine the emergency medical services instructor curricula's. These curricula provide education to emergency medical service instructors who will be teaching various prehospital educational programs.

- Leadership Quality Improvement Conference - \$6,000

This project will reduce the cost of providing a leadership quality improvement course developed by the EMS section of the National Highway and Traffic Safety Administration. The course provides training for local EMS providers to develop a quality improvement program using the Malcolm Baldrige total quality management model of improvement.

- Ambulance Reimbursement Conference - \$2,000

New reimbursement rules from the Health Care Financing Administration will be enforced beginning January 2001. These rules will change ambulance service reimbursement to a set fee schedule. This project will provide a one-day educational workshop for managers and billing personnel in the first half of 2000. Funds for this project will assist in planning and reducing the cost of tuition for participants.

- SEMTAC Statewide EMS Planning Project - \$13,000

Through this project the state council will continue to develop a statewide EMTS plan based on the National Highway Traffic Safety Association reassessment and the 1992 legislative assessment. A draft is expected in late 2000.

- CPR Directive Curriculum Revision - \$5,000

Funding for this project will finalize the updating of the Pre-hospital Care Program's Cardiopulmonary Resuscitation (CPR) Directive Program to reflect modifications made to State Board of Health rules this past year.

## Funding Distribution

For current year distribution, 62 plans for county subsidy funding were received. Once individual county plans are approved, in January 2001 each will receive approximately \$15,000.

## TRAUMA CENTER DESIGNATION

### Summary of Legislation

Each hospital or other health care facility seeking trauma center status is required to be designated as a trauma center by the department. The designation process includes submission of an application and a site survey by a team of trauma clinical providers. The 1995 trauma system legislation created a Trauma System Cash Fund and authorized the Board of Health to establish a schedule of fees based on the direct and indirect costs incurred in the designation of trauma centers. The fee schedule was adopted in January 1998, with the collection of fees beginning in April 1998.

### Funding Distribution

The FY01 appropriation for designation-related costs and utilization of fee revenue is \$418,108 and includes: site survey team budgeted at \$274,427; administrative costs, including state observer, budgeted at \$113,753; and the indirect costs assessment estimated at \$29,928. The largest component of the budget continues to be compensation and travel expenses for the site survey teams comprised of trauma surgeons, emergency room physicians and trauma nurse coordinators. The composition of each team and the number of out-of-state team members are based on national standards developed by the American College of Surgeons' - Committee on Trauma and varies depending on the level of designation the facility is seeking. Additionally, a state observer participates in each site survey visit. The state observer's time and travel costs comprise a large share of the administrative budget.

## Health Care System Integration

Integration of healthcare services helps to ensure that the care provided by EMS does not occur in isolation, and that positive effects are enhanced by linkage with other community health resources and integration within the overall healthcare system. The department has established a regional grant program that integrates traditional emergency medical services and trauma activities. The goal is to promote the concept of integration and create efficiencies in regional activities. The Department will continue to assist with Colorado's Rural Hospital Flexibility Program (Critical Access Hospitals) to provide technical assistance in local planning of emergency medical services.

## Public Access

Public access is defined as the ability of an individual to secure prompt and appropriate emergency medical care regardless of socioeconomic status, age or special need. For those individuals who contact EMS with a perceived requirement for care, the subsequent response and level of care provided must be commensurate with the situation. For nearly 30 years, 911 has been designated as the national emergency telephone number. Approximately 99% of Colorado is covered by this basic 911 telephone number. The single most important piece of information provided during an emergency call is the location of the person(s) requiring help. At many 911 communication centers, the caller's telephone number and location are automatically provided. Such systems are called enhanced 911 or 911E. Seventy-five percent of our state is covered by 911E services. The department has provided resources for the installation of highway call boxes in areas where access to phones is problematic. Statewide enhanced 911 services and improvements in mobile phone technology for the reporting of emergencies are goals of Colorado's system of public access.

## Human Resources and Education

A dedicated team of individuals with complementary skills and expertise is the system's most valuable asset. These individuals can fulfill their mission only if they are adequately trained and are available in sufficient numbers throughout the state. The department has a recruitment and retention program designed to assist local EMS agencies in assessing current manpower needs and in establishing a plan for stable and consistent training programs with local and regional support. The department regulates the institutions providing training, provides instructor training programs and curriculum approved by the EMS Council and the Colorado Medical Board. The ability to train, retain and provide continuing education to rural and frontier services continues to be the primary focus of the recruitment and retention program.

## Medical Direction

Emergency medical care involves the delivery of medical care by non-physician providers outside the traditional confines of a hospital or office. This practice requires that each EMT has a physician advisor to provide medical direction for the delivery of care. The department currently

needs. The state strategic planning process creates an opportunity for the EMS system to consider how to match patients' needs with the appropriate health care facility in the state.

### Public Education and Prevention

To effectively serve the public, the department continues to develop its EMS public information, education and relations program. The Colorado Emergency Medical Services for Children program has provided resources and information to communities regarding pediatric emergencies.

The department, with advice from the council, provides technical assistance and resources to local agencies in developing their own public education, information and prevention and Emergency Medical Services-Children programs.

### Information Systems and Evaluation

A comprehensive evaluation program is needed to effectively plan, implement and monitor a statewide EMS system. Collection and analysis of information from emergency medical service agencies will allow this analysis to be conducted. The department and the council have provided technical assistance and resources to local and regional programs to develop their information systems. The department has made progress in empowering local agencies to collect and analyze data at the local level. The Injury Epidemiology Program is developing a pilot program in which prehospital and trauma registry information will be used regionally to assist with local planning efforts. The department does not have the capacity to evaluate the statewide system on an ongoing basis.

## **TRAUMA PROGRAM ACTIVITIES**

The *Trauma Care Act of 1995* provided a focus on this systems response to trauma (injured) patients. The number of injury deaths in Colorado reached 2,226 in 1998, making trauma the leading cause of death for Coloradans age 1 – 44 . Estimates from state data sources suggest that during 1998 nearly one in 10 Coloradans received medical care in a hospital setting for injury (an estimated 370,000 emergency department visits and 27,000 admissions). Colorado death rates as compared to national death rates for unintentional injury, motor vehicle crashes and suicide are higher than the national average.

The large number of patients, the high cost of care, the need for ongoing rehabilitation, and loss in productivity are significant contributors to medical and societal costs. Because studies show trauma deaths disproportionately involve younger populations, deaths due to injury significantly contribute to the state's lifetime earnings lost due to premature death. In 1997 the department estimated the lifetime earnings lost due to premature deaths from injury in Colorado was \$1.5 billion.

Studies indicate that 30 to 40% of all trauma deaths occur within one hour of injury, and that 30 to 40% of these deaths are preventable if appropriate care is received in a timely manner. National

and who may need comprehensive medical support over an extended period of time. Level III and Level IV trauma centers are community-based facilities that triage, stabilize and transfer those patients needing specialty services and resources unavailable at that facility or unavailable for extended periods of time. Minimum standards have been adopted for Level I - IV trauma centers, and for those trauma centers that care for pediatric or burn patients. The department began facility designation in June 1998 and has designated 63 trauma centers since that time. The need for a Level V trauma center was identified during this process to recognize and differentiate the role of our smaller hospitals utilizing mid-level practitioners and the clinics not open 24 hours a day. The passage of the *Emergency Medical and Trauma Services Act of 2000* created the authority for the development of Level V Trauma Centers. Appendix K and Appendix L provide a list and maps depicting the geographic distribution of current designated trauma centers.

In 1998, charges for the hospital care of trauma patients in Colorado totaled over \$400 million (this value only includes hospitalization and does not include physicians' fees, prehospital transport and services or rehabilitation). The average hospital charge per trauma patient was approximately \$11,000, with a higher average hospital charge for patients injured in motor vehicle crashes (approximately \$15,000) and by firearms (approximately \$20,000).

Additionally, this initial review of data has generated some assessments of trauma patients, trauma centers and trauma related hospital designations. The individuals who would most benefit from a trauma system are those with more severe injuries. In comparing pre- to post-legislation time periods, there has been a statistically significant increase in the percent of patients with severe injuries who are directly admitted to a Level I or Level II trauma center (from 61% in 1993-1994 to 70% in 1997-1998). Also, a higher percentage of severely injured trauma patients initially admitted to a Level III, IV or undesignated facility are now being transferred to a Level I or II Trauma Center.

#### Rehabilitation Care

A critical measure of a trauma system is patient access to rehabilitation care. The goal for each trauma patient is a return to a productive life. Rehabilitation services are either provided by the trauma center or the trauma center must transfer the patient to an appropriate facility. The lack of adequate coverage for rehabilitation in most health plans continues to hinder patient access to services.

#### Disaster Medical Care

Regional coordination of the medical care component of local disaster plans ensures the effective utilization of resources to meet patients' needs in the event of a disaster. Coordination of these resources is rarely done on a regional scale. The Regional Emergency Medical and Trauma Advisory Councils will continue the work the Area Trauma Advisory Councils has begun in coordinating the medical components of these plans.

additional 36 lives have been saved since passage of the trauma system legislation. Continuation of these important evaluation activities is contingent upon finding a long-term funding source.

#### Continuing Quality Improvement Systems

System assessment and evaluation at the state, regional and provider levels ensures appropriate patient care and destination protocols and plans are developed, and modified. Minimum continuing quality improvement requirements were defined for trauma centers, and are being developed for statewide and regional implementation. The Colorado Trauma Registry will be used by the department to evaluate the statewide trauma system. Confidentiality was secured for ATAC system assessments during the 1999 legislative session. The *Emergency Medical and Trauma Services System Act of 2000* broadened this evaluation and assessment system to include the systems response to medical patients.

#### Area Trauma Advisory Councils (ATACs)/ Regional Emergency Medical and Trauma Advisory Councils (RETACs)

Regional planning and development – due to variations in the demographics and geography of Colorado require local participation and expertise for identifying problems and designing solutions for local area plans. Sixteen ATACs were organized across the state in 1998 to ensure local participation and coordination in regional trauma system planning. Each ATAC submitted a plan for local trauma system implementation in 1998. FY00 was the last year of a grant that provided limited support for ATAC activities. The FY01 system development grant that requires the merger of the Regional EMS Councils and the Area Trauma Advisory Councils has provided a new opportunity for continued activities. This was supported by the passage of the Emergency Medical and Trauma Services System Act of 2000 that created the RETACs, established requirements for regional planning and provided for a minimum level of funding beginning in FY02. Given resource constraints, the department is able to provide limited technical assistance to the RETACs.

## **SUBMISSION OF THE LEGISLATIVE REPORT ON CONDUCTING CRIMINAL HISTORY CHECKS OF EMERGENCY MEDICAL TECHNICIANS BY THE STATE BOARD OF HEALTH**

Emergency Medical Technicians often work with incapacitated patients in an unsupervised environment. The department currently performs criminal background checks using a name search through the Colorado Bureau of Investigation. Recent experiences in Colorado and other states have led the department to pursue national criminal history checks of all emergency medical technicians. Optional ways to complete criminal background checks were developed by a task force, with subsequent community meetings held, surveys conducted and Board of Health public hearings to obtain input on the options prior to making a decision. The final report is to be delivered to the legislature November 1, 2000.

### **PROGRAM FUNDING**

The annual appropriation from the EMS Account is statutorily required to allocate 60% of the funds to the EMS Provider Grants program, 20% to county subsidy, and 20% to the Department for program administration. Although the Prehospital Care and Trauma programs have experienced real increases in staff and operating costs, the fixed ratio prevents any increases in the dollar amount of the administrative allocation. As a result, the programs face significant challenges in continuing to meet community needs, including the level of assistance requested by the RETACs, local EMS agencies and Trauma Centers. Beginning July 2002, the fixed ratio is removed, and the State Emergency Medical and Trauma Services Advisory Council will have the responsibility to make recommendations regarding the use of EMS Account funds (although the appropriation will still be subject to the annual State budgeting process).

Revenue from the EMS Fee is projected at this time to be adequate to fund future annual appropriations at the current level. However, the current fee cannot support the additional resources that would be needed to fully develop all components of the emergency medical and trauma service system. Some system components have not been implemented due to a lack of resources. The Department, in conjunction with the community, is evaluating its priorities and options for partial or full system implementation.

## *Appendices*

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## COLORADO STATE ADVISORY COUNCIL ON EMERGENCY MEDICAL SERVICES

November 2000

| City             | Appointed Member                     | Representing   |
|------------------|--------------------------------------|--|
| Denver           | David Sullivan<br>Chairperson        | Planning and Management Region 3   |
| Denver           | Ira Jerry Rhodes<br>Vice-Chairperson | Fire Chief involved in EMS   |
| Greeley          | Karl B. Gills                        | Hospital Administrators  |
| Wheat Ridge      | Arthur Kanowitz, M.D., F.A.C.E.P.    | Medical Doctors involved in EMS  |
| Ft. Morgan       | Phyllis A. Gertge                    | Planning and Management Region 1   |
| Greeley          | Mark D. Johnson                      | Planning and Management Region 2   |
| Colorado Springs | Bill Mayfield                        | Planning and Management Region 4<br>Registered Professional Nurses involved in EMS |
| Limon            | Mark A. Morrison                     | Planning and Management Region 5   |
| Springfield      | Rick G. Hartley                      | Planning and Management Region 6   |
| Pueblo           | D. Randy Kuykendall                  | Planning and Management Region 7   |
| Alamosa          | Rodney Kent King                     | Planning and Management Region 8<br>Volunteer Ambulance Services                   |
| Durango          | Dan Noonan                           | Planning and Management Region 9   |
| Montrose         | Mark D. Young                        | Planning and Management Region 10<br>Search & Rescue                               |
| Grand Junction   | F. Channing Clymer                   | Planning and Management Region 11  |
| Yampa            | Roberta J. Vetter                    | Planning and Management Region 12<br>Volunteer Ambulance Services                  |
|                  | vacant                               | Planning and Management Region 13  |
|                  | vacant                               | Planning and Management Region 14  |

| City   | Ex-Officio Member         | Representing   |
|--------|---------------------------|--|
| Denver | Michael Armacost          | Colorado Department of Public Health and Environment |
|        | vacant                    | Office of Emergency Management                       |
| Denver | George Atencio II         | Colorado Department of Transportation                |
| Denver | Christopher Colwell, M.D. | University of Colorado, Health Sciences Center       |

| City   | Medical Director               | Representing   |
|--------|--------------------------------|--|
| Denver | Ben Honigman, M.D., F.A.C.E.P. | Colorado Department of Public Health and Environment |

| Chairperson      | Committee                                     |
|------------------|---|
| Mark Young       | Communications/Transportation                 |
| vacant           | Disaster/Multi-Casualty                       |
| Mark Johnson     | Personnel/Public Information/Staffing         |
| Bill Mayfield    | Public Information/Trauma Education/Resources |
| David Sullivan   | Regulation/Trauma/Facilities                  |
| Ira Jerry Rhodes | Resource Management/Evaluation                |

# COLORADO STATE TRAUMA ADVISORY COUNCIL

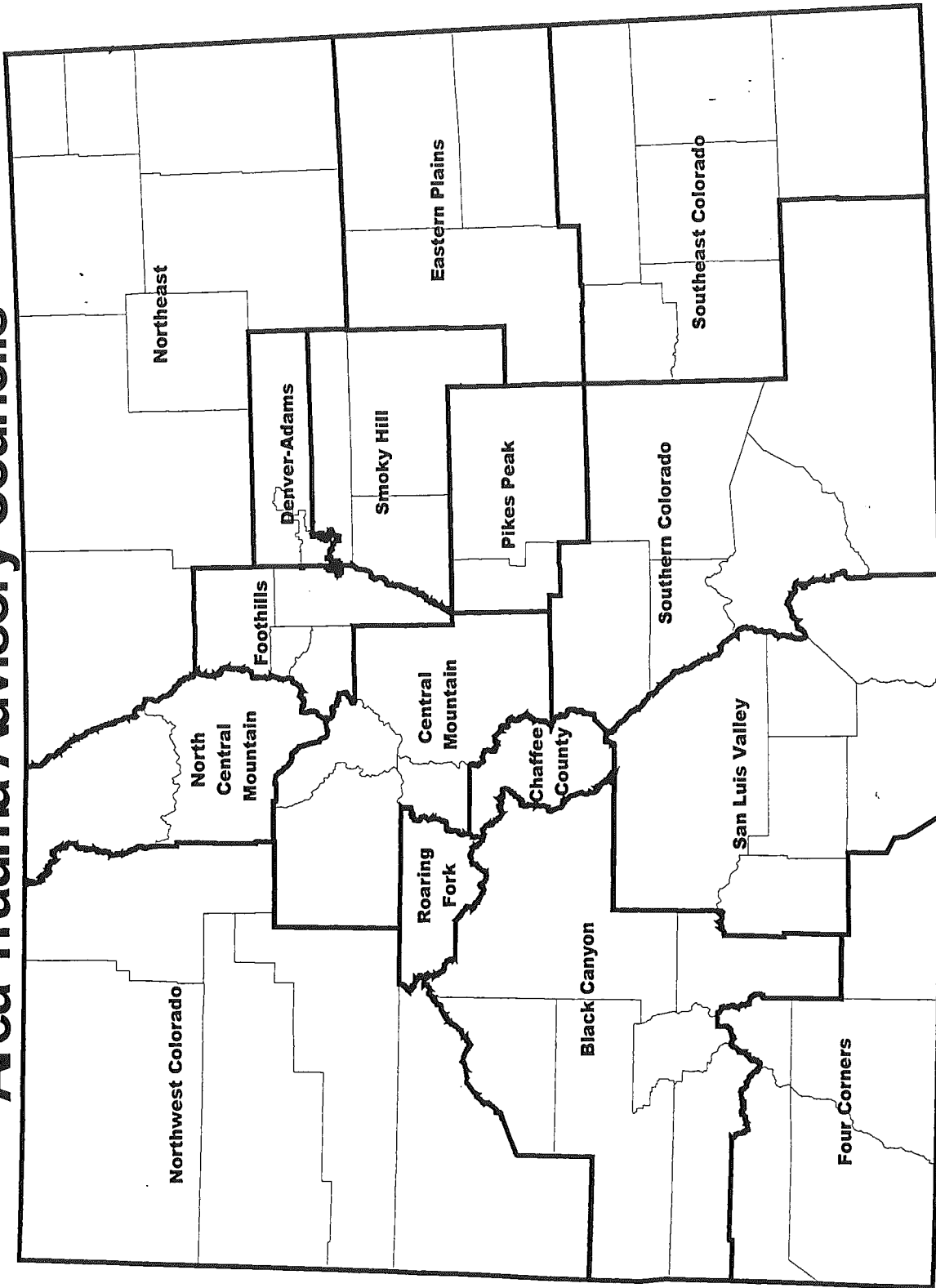
November 2000

| City              | Appointed Member   | Representing  |
|-------------------|--|---|
| Grand Junction    | Francis M. Raley, M.D.<br>Chairperson                    | Emergency medical physicians involved in prehospital care                                 |
| Denver            | F. Keith Battan, M.D., F.A.A.P.<br>Vice Chairperson      | Emergency medical physicians board-certified in pediatrics                                |
| Steamboat Springs | Daniel R. Ellison  | County government   |
| Colorado Springs  | Jack Dillon, M.D., F.A.C.E.P.                            | Emergency medical physicians involved in prehospital care                                 |
| Lamar             | Earl J. Steinhoff  | Hospital administrators – rural   |
| Englewood         | Mary White   | Hospital administrators - urban   |
| Durango           | Julie A. Cooley  | The Public  |
| Denver            | John S. Nichols, M.D., Ph.D.                             | Surgeons involved in trauma care  |
| Denver            | Ernest E. Moore, Jr.,<br>M.D.,F.A.C.S.,F.C.C.M.,F.A.C.N. | Surgeons involved in trauma care and surgeons providing trauma care at Level I facilities |
| Pueblo            | Dorothy Crump, R.N., B.S., B.S.N.                        | Trauma nurse coordinators   |
| Denver            | Ray A. Coniglio, R.N.,M.S.N.                             | Trauma nurses   |

| City   | Ex-Officio Member | Representing   |
|--------|-------------------|--|
| Denver | Gail Finley Rarey | Colorado Department of Public Health and Environment |
| Denver | Larry Brooks      | Division of Telecommunications                       |
| Denver | David Sullivan    | EMS Council  |
| Denver | Amy Martin, M.D.  | State Coroner's Association                          |

| Chairperson   | Committee     |
|---|---------------|
| Ernest E. Moore, Jr., M.D.,F.A.C.S.,F.C.C.M.,F.A.C.N. | Facilities    |
| Ray A. Coniglio, R.N.,M.S.N.                          | Data          |
| vacant  | ATAC          |
| Julie Cooley  | Public Policy |

# STATE OF COLORADO Area Trauma Advisory Councils



Appendix C



Colorado Department  
of Public Health  
and Environment

Emergency Medical Services and Prevention Division  
Trauma Program  
Map prepared by Lyn Pipp  
c:\traumainmaps\atacs

September 2000

## AREA TRAUMA ADVISORY COUNCILS

June 2000

| ATAC                   | Chairperson  |
|------------------------|--|
| Black Canyon           | Lynda Wallin, R.N.,B.S.N.,M.A.,C.E.N.<br>PO Box 10100<br>Delta, Colorado 81416 |
| Central Mountain       | John Woodland, M.D.<br>181 West Meadow Drive<br>Vail, Colorado 81657           |
| Chaffee County         | Dean Turner<br>448 East First Street<br>Salida, Colorado 81201                 |
| Denver-Adams           | John Burch, M.D.<br>777 Bannock Street<br>Denver, Colorado 80204               |
| Eastern Plains         | Sue Kern<br>P.O. Box 578<br>Cheyenne Wells, Colorado 80810                     |
| Foothills              | Peter Velman, M.D.<br>4231 West 16th Avenue<br>Denver, Colorado 80204          |
| Four Corners           | David Deaver, M.D.<br>375 East Park Avenue<br>Durango, Colorado 81301          |
| North Central Mountain | Linda Underbrink, R.N.<br>PO Box 924<br>Kremmling, Colorado 80459              |
| Northeast              | Jody Kramer<br>1017 West 7 <sup>th</sup> Street<br>Wray, Colorado 80758        |
| Northwest Colorado     | Randy Phelps<br>785 Russel Street<br>Craig, Colorado 81625                     |
| Pikes Peak             | Gordan Hildebrant<br>PO Box 7021<br>Colorado Springs, Colorado 80933           |
| Roaring Fork Valley    | William Rodmen, M.D.<br>0401 Castle Creek Road<br>Aspen, Colorado 81611        |
| San Luis Valley        | Bill Binnian<br>PO Box 212<br>Blanca, Colorado 81123                           |
| Smoky Hill             | Jim Raymond<br>4000 Justice Way, Suite 3636<br>Castle Rock, Colorado 80104     |
| Southeast Colorado     | Marsu Nolan, M.D.<br>1100 Carson Avenue<br>La Junta, Colorado 81050            |
| Southern Colorado      | Janna Deason, R.N.<br>1008 Minnequa Avenue<br>Pueblo, Colorado 81004           |

# COLORADO STATE EMERGENCY MEDICAL AND TRAUMA ADVISORY COUNCIL

November 2000

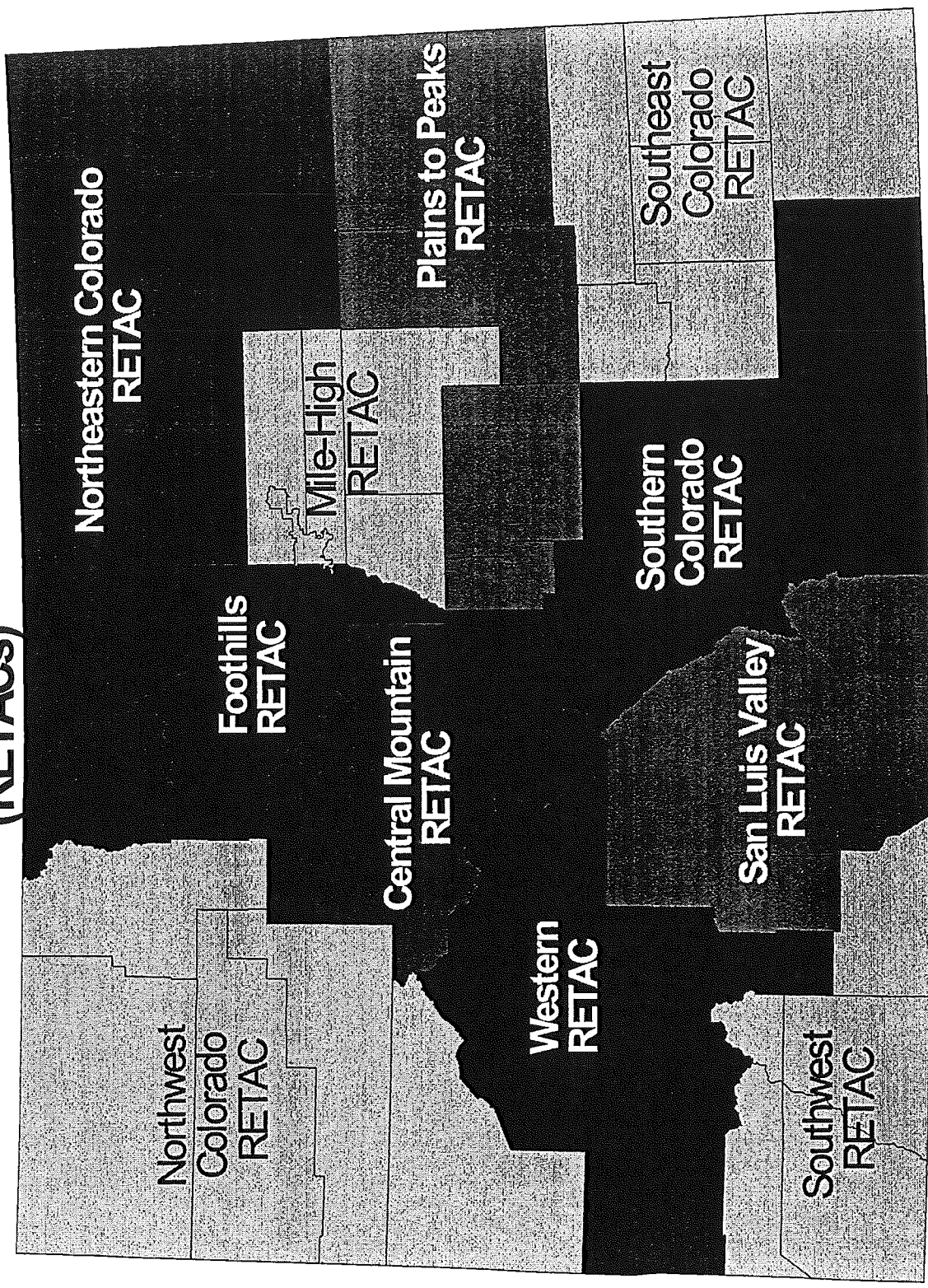
| RETAC                       | Appointed Member                  | Representing  |
|-----------------------------|-----------------------------------|---|
| Foothills RETAC             | Robert F. Anderson                | County Commissioner from a rural county   |
| Western RETAC               | A. Daniel Barela                  | Member of the general public from a rural area  |
| Foothills RETAC             | F. Keith Battan, M.D.             | Board certified physician certified in paramedics or a pediatric subspeciality                  |
| Central Mountain RETAC      | Sean Martin Caffrey               | Officer or employee of a public provider of prehospital care                                    |
| Southwest RETAC             | David C. Deaver III, M.D.         | Board-certified surgeon providing trauma care at a Level III Trauma Center                      |
| San Luis Valley RETAC       | Pam L. Gripp                      | Officer or crew member of a volunteer organization who provides prehospital care                |
| Mile-High RETAC             | Delwin Michael Hunt, M.D.         | Licensed physician who is a prehospital medical director  |
| Plains to Peaks RETAC       | D. Randy Kuykendall               | Member of the general public from an urban area   |
| Northeastern Colorado RETAC | Lori E. McDonald, R.N.            | Trauma nurse coordinator  |
| Mile-High RETAC             | Walter Michael Maxwell            | County commissioner, or council member, representing an urban county or city and county         |
| Mile-High RETAC             | John Stephan Nichols, M.D., Ph.D. | Board certified neurosurgeon involved in providing trauma care at a Level I or II Trauma Center |
| Southwest RETAC             | Daniel J. Noonan                  | Fire chief of a service that provides prehospital care in a rural area                          |
| Western RETAC               | Francis M. Raley, M.D.            | Board certified emergency physician   |
| Mile-High RETAC             | Ira Jerome Rhodes                 | Fire chief of a service that provides prehospital care in an urban area                         |
| Southern RETAC              | Mark Joseph Ritz                  | County Commissioner from a rural county   |
| Plains to Peaks RETAC       | Tonda L. Scott, R.N.              | Registered nurse involved in rural emergency medical and trauma services care                   |
| Northwest Colorado RETAC    | W. George Shanks, M.D.            | Board certified surgeon providing trauma care at a Level II Trauma Center                       |
| Mile-High RETAC             | Wade Russell Smith, M.D.          | Board certified surgeon providing trauma care at a Level I Trauma Center                        |
| Southeast Colorado RETAC    | Earl James Steinhoff              | Administrative representative of a rural trauma center  |
| Southern RETAC              | Kathy "Lynn" Stevens, R.N.        | Flight nurse of an emergency medical service air team or unit                                   |
| Plains to Peaks RETAC       | Tracy Ann Thomas                  | Officer or employee of a private provider of prehospital care                                   |
| Northeastern Colorado RETAC | Vincent Towers                    | Representative of a government provider of prehospital care                                     |
| Northwest Colorado RETAC    | Chuck E. Vale                     | County emergency manager  |
| Mile-High RETAC             | Mary M. White                     | Administrative representative of an urban trauma center   |
| Central Mountain RETAC      | John B. Woodland, M.D.            | Regional council chair  |

**COLORADO STATE EMERGENCY MEDICAL AND TRAUMA  
ADVISORY COUNCIL**

**November 2000**

| <b>Ex-officio Member</b> | <b>Representing</b>   |
|--------------------------|---|
| George Atencio           | Director of the Department of Transportation Safety in the Department of Transportation or designee   |
| Larry S. Brooks          | Manager of telecommunication services of the Colorado information technology services in the Department of Personnel, General Support Services, or the manager's designee |
| Gail Finley Rarey        | Executive Director of the Department of Public Health and Environment or designee   |
| Amy Martin, M.D.         | Member of the State Coroner's Association, as selected by the association   |
| Captain Bob Mitchell     | Representative of the Colorado State Patrol   |
| Peg Rooney, Ph.D         | Director of the State Board of Community Colleges and Occupational Education or designee  |
| Vacant                   | Representative of the State Sheriff's Association   |

# STATE OF COLORADO Regional Emergency & Trauma Advisory Councils (RETACs)



Colorado Department  
of Public Health  
and Environment

Emergency Medical Services and Prevention Division  
Prehospital Care and Trauma Programs  
map prepared by Lyn Pipp  
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# REGIONAL EMERGENCY AND TRAUMA ADVISORY COUNCILS

November 2000

| RETAC                 | Regional Coordinator   |
|-----------------------|--|
| Central Mountain      | Lorraine Caposole, Regional Coordinator<br>PO Box 5055<br>Frisco, Colorado 80443   |
| Foothills             | Kenna Clements, Contact<br>P.O. Box 1075<br>Walden, Colorado 80480<br>Or<br>Susan Kirk, Contact<br>100 Health Park Drive<br>Louisville, Colorado 80027   |
| Mile-High             | Jim Raymond, Contact<br>4000 Justice Way, Suite 3636<br>Castle Rock, Colorado 80104<br>Or<br>Shirley Terry, Contact<br>777 Bannock Street<br>Denver, Colorado 80204  |
| Northeastern Colorado | Jeff Schanhals, Regional Coordinator<br>45199 County Road 36<br>Fleming, Colorado 80728  |
| Northwest Colorado    | Gus Hendricks, Regional Coordinator<br>2635 North 7 <sup>th</sup> Street<br>Grand Junction, Colorado 81502<br>Or<br>Bob Litcata, Assistant Regional Coordinator<br>P.O. Box 1628<br>Grand Junction, Colorado 81502 |
| Plains to Peaks       | Sue Kern, Contact<br>P.O. Box 578<br>Cheyenne Wells, Colorado 80810<br>Or<br>Eric Schmidt, Contact<br>301 South Union Blvd.<br>Colorado Springs, Colorado 80910  |
| San Luis Valley       | Theresa Atencio, Regional Coordinator<br>P.O. Box 125<br>Alamosa, Colorado 81101   |
| Southeast Colorado    | Rick G. Hartley, Contact<br>373 East 10 <sup>th</sup><br>Springfield, CO 81073   |
| Southern Colorado     | Nancy Rush Miller, Contact<br>1506 Berkeley Avenue<br>Pueblo, Colorado 81004   |
| Southwest             | Nancy Faller, Regional Coordinator<br>P.O. Box 191<br>Delores, Colorado 81323<br>Or<br>Julie Cooley, Contact<br>17 Maple Drive<br>Durango, Colorado 81301  |
| Western               | Mark Young, Regional Coordinator<br>P.O. Box 3160<br>Montrose, Colorado 81402  |



**EMERGENCY MEDICAL SERVICES GRANT AWARDS**  
**Fiscal Year 2000-2001**

| <b>Applicant</b>                            | <b>County</b> | <b>Funds Awarded</b> | <b>Type of Grant Awarded</b>       |
|---|---------------|----------------------|------------------------------------|
| Arkansas Valley Ambulance                   | Fremont       | 26,037               | Communications & Training          |
| Brighton Community Hospital Association     | Adams         | 38,211               | Emergency Vehicle                  |
| Broomfield EMS                              |               | 1,500                | Recruitment & Retention            |
| Chaffee County EMS                          | Chaffee       | 33,970               | Communications & Training          |
| Cheyenne County                             | Cheyenne      | 37,330               | Emergency Vehicle                  |
| City of Sheridan                            | Arapahoe      | 43,980               | Communications                     |
| Clear Creek County Ambulance                | Clear Creek   | 29,211               | Communications & EMS Equipment     |
| Clear Creek Fire Authority                  | Clear Creek   | 11,544               | EMS Equipment                      |
| Clear Creek Skiing Corporation              | Clear Creek   | 8,192                | EMS Equipment                      |
| Coal Creek Canyon Fire Protection District  | Jefferson     | 4,823                | Communications & EMS Equipment     |
| Colorado Basic Trauma Life Support          | Denver        | 17,287               | Training                           |
| Colorado Northwestern Community College     | Rio Blanco    | 11,000               | Training                           |
| Conejos County                              | Conejos       | 19,362               | EMS Equipment & Training           |
| Copper Mountain Consolidated Metro District | Summit        | 8,710                | EMS Equipment                      |
| Copper Mountain Ski Patrol                  | Summit        | 8,710                | EMS Equipment                      |
| Costilla County Ambulance District          | Costilla      | 3,045                | Communications & EMS Equipment     |
| Crook Fire Protection District              | Logan         | 3,812                | EMS Equipment                      |
| Cunningham Fire Protection District         | Arapahoe      | 4,945                | Communications                     |
| Deer Trail Rural Fire Protection District   | Arapahoe      | 3,140                | EMS Equipment                      |
| Delta County Ambulance District             | Delta         | 34,200               | Emergency Vehicle                  |
| Delta-Montrose Area Votetchnical Center     | Delta         | 26,250               | Training                           |
| Divide Fire Protection District             | Teller        | 1,375                | EMS Equipment                      |
| East Phillips County Ambulance              | Phillips      | 12,200               | Communications                     |
| East Yuma County Fire Protection District   | Yuma          | 2,782                | EMS Equipment                      |
| El Paso County                              | El Paso       | 100,000              | Communications                     |
| Elizabeth Fire Protection District          | Elbert        | 39,445               | Communications & Emergency Vehicle |
| EMS Association of Colorado                 | Denver        | 6,400                | Training                           |
| Four Mile Emergency Services, Inc.          | Teller        | 12,123               | EMS Equipment                      |
| Gateway-Unaweeep Fire Department            | Mesa          | 20,800               | Emergency Vehicle                  |
| Gilpin Ambulance Inc.                       | Gilpin        | 19,000               | EMS Equipment                      |
| Haxtun Hospital                             | Phillips      | 12,200               | Communications                     |
| Hermosa Cliff Ambulance / Rescue / Fire     | La Plata      | 17,549               | EMS Equipment                      |
| High Plains Regional EMS Council            | Logan         | 15,000               | EMS Equipment                      |
| Hinsdale County                             | Hinsdale      | 6,960                | Training & EMS Equipment           |
| Huerfano County                             | Huerfano      | 7,500                | Communications                     |
| Idalia Ambulance Service                    | Yuma          | 10,283               | Training & EMS Equipment           |
| Jackson 105 Fire Protection District        | Douglas       | 1,389                | EMS Equipment                      |
| Jefferson-Como Fire Protection District     | Park          | 1,907                | Communications                     |
| Kit Carson County                           | Kit Carson    | 25,000               | Emergency Vehicle                  |
| Lake Dillon Fire Protection District        | Summit        | 16,022               | EMS Equipment                      |
| Lamar Ambulance Service                     | Prowers       | 3,000                | EMS Equipment                      |
| Larkspur Fire Protection District           | Douglas       | 38,295               | Emergency Vehicle                  |
| Lefthand Canyon FPD                         | Boulder       | 4,284                | Communications                     |
| Livermore Fire Protection District          | Larimer       | 4,626                | EMS Equipment                      |

**EMERGENCY MEDICAL SERVICES GRANT AWARDS  
Fiscal Year 2000-2001**

| <b>Applicant</b>                                 | <b>County</b> | <b>Funds Awarded</b> | <b>Type of Grant Awarded</b>                  |
|--|---------------|----------------------|---|
| Lower Valley Fire Protection District            | Mesa          | 3,886                | EMS Equipment                                 |
| Mercy Paramedics                                 | La Plata      | 20,625               | EMS Equipment                                 |
| Montezuma County EMS Council                     | Montezuma     | 37,500               | Communications                                |
| Montrose Fire Protection District                | Montrose      | 8,713                | EMS Equipment                                 |
| Morgan Community College                         | Morgan        | 40,428               | Training                                      |
| Morgan County Ambulance Service                  | Morgan        | 38,318               | Emergency Vehicle                             |
| Mountain Communities Fire Protection District    | Teller        | 14,303               | Communications & EMS Equipment                |
| Mountain Flight Service, Inc.                    | Routt         | 10,880               | EMS Equipment                                 |
| New Castle Ambulance Service                     | Garfield      | 68,850               | Communications & Emergency Vehicle            |
| North Central Fire Protection District           |               | 5,000                | Recruitment & Retention                       |
| North Park Fire Protection District              |               | 1,500                | Recruitment & Retention                       |
| North Park Hospital District                     | Jackson       | 42,592               | Communications & Emergency Vehicle & Training |
| Northeastern Junior College                      | Logan         | 20,102               | Emergency Vehicle & Training                  |
| Oak Creek Fire                                   | Routt         | 6,610                | EMS Equipment                                 |
| Ouray County                                     | Ouray         | 8,762                | EMS Equipment                                 |
| Plateau Fire Protection District                 |               | 1,500                | Recruitment & Retention                       |
| Platte Canyon Fire Protection District           | Park          | 30,000               | Emergency Vehicle                             |
| Rangely District Hospital                        | Rio Blanco    | 40,187               | Emergency Vehicle                             |
| Recruitment & Retention Workshops                |               | 9,739                | Recruitment & Retention                       |
| Red, White, and Blue Fire Protection District    | Summit        | 10,301               | EMS Equipment                                 |
| Rico Fire Protection District                    | Dolores       | 43,465               | Communications & EMS Equipment & Training     |
| Rocky Mountain Rescue Group, Inc.                | Boulder       | 22,954               | Communications & Emergency Vehicle            |
| San Luis Valley EMS                              |               | 4,261                | Recruitment & Retention                       |
| San Miguel County                                | San Miguel    | 66,715               | Communications & EMS Equipment & Training     |
| Sedgwick County Ambulance Service                | Sedgwick      | 39,600               | Emergency Vehicle & Training                  |
| Silt Ambulance Service                           |               | 1,500                | Recruitment & Retention                       |
| Silverton-San Juan County Ambulance Assoc        | San Juan      | 7,973                | Communications & EMS Equipment & Training     |
| Snake River Fire Protection District             | Summit        | 3,815                | EMS Equipment                                 |
| South Y-W Ambulance Service                      | Yuma          | 3,745                | EMS Equipment                                 |
| Southeast Colorado Hospital                      | Baca          | 52,839               | EMS Equipment & Emergency Vehicle             |
| Southern Park County Fire Protection District    | Park          | 10,565               | EMS Equipment                                 |
| Springfield EMS Association, Inc.                | Baca          | 10,000               | Training                                      |
| St Mary's Hospital                               | Mesa          | 33,247               | EMS Equipment & Training                      |
| St Vincent General Hospital District Ambulance   | Lake          | 7,020                |   |
| State of Colorado, Dept of Higher Education      | Larimer       | 6,552                | Training                                      |
| Steamboat Springs Rural Fire Protection District | Routt         | 3,824                | EMS Equipment                                 |
| Trinidad State Jr. College, Valley Campus        | Alamosa       | 32,900               | Training                                      |
| Upper Pine River Fire Protection District        | La Plata      | 1,687                | EMS Equipment                                 |
| Upper San Juan Hospital District                 | Archuleta     | 11,498               | Communications                                |
| Walsh Ambulance Service                          | Baca          | 4,750                | EMS Equipment                                 |
| West Custer County Hospital District             | Custer        | 15,679               | EMS Equipment & Training                      |

**EMERGENCY MEDICAL SERVICES GRANT AWARDS  
Fiscal Year 2000-2001**

| <b>Applicant</b>                        | <b>County</b> | <b>Funds Awarded</b> | <b>Type of Grant Awarded</b>              |
|---|---------------|----------------------|---|
| Western Eagle County Ambulance District | Eagle         | 15,166               | Ems Equipment                             |
| Windsor Gardens Associations, Inc.      | Denver        | 5,655                | Communications & EMS Equipment & Training |
| Woodland Park Ambulance Service, Inc.   | Teller        | 27,700               | Communications & Emergency Vehicle        |
| Wray Ambulance Service City of          | Yuma          | 39,795               | Communications & Emergency Vehicle        |
| Wray Volunteer Fire Department          | Yuma          | 1,325                | EMS Equipment                             |
| Yampa Fire Protection District          | Routt         | 4,610                | EMS Equipment                             |
| Yuma Volunteer Fire Department          | Yuma          | 2,051                | EMS Equipment                             |
| <b>Total</b>                            |               | <b>\$ 1,654,087</b>  |   |

**Regional Emergency Medical & Trauma Advisory Councils**

|                              |  |                   |  |
|------------------------------|--|-------------------|--|
| Central Mountains RETAC      |  | 76,500            |  |
| Colorado Rural Health Center |  | 70,419            |  |
| Foothills RETAC              |  | 47,330            |  |
| High Plains RETAC            |  | 148,500           |  |
| NorthWest RETAC              |  | 88,898            |  |
| Plains to Peaks RETAC        |  | 47,330            |  |
| San Luis Valley RETAC        |  | 65,000            |  |
| SouthEast RETAC              |  | 73,261            |  |
| Southern RETAC               |  | 47,330            |  |
| SWEMS RETAC                  |  | 78,696            |  |
| Western RETAC                |  | 91,261            |  |
| <b>Total</b>                 |  | <b>\$ 834,525</b> |  |









## MEDICAL ADVISORY GROUP TO PREHOSPITAL CARE PROGRAM

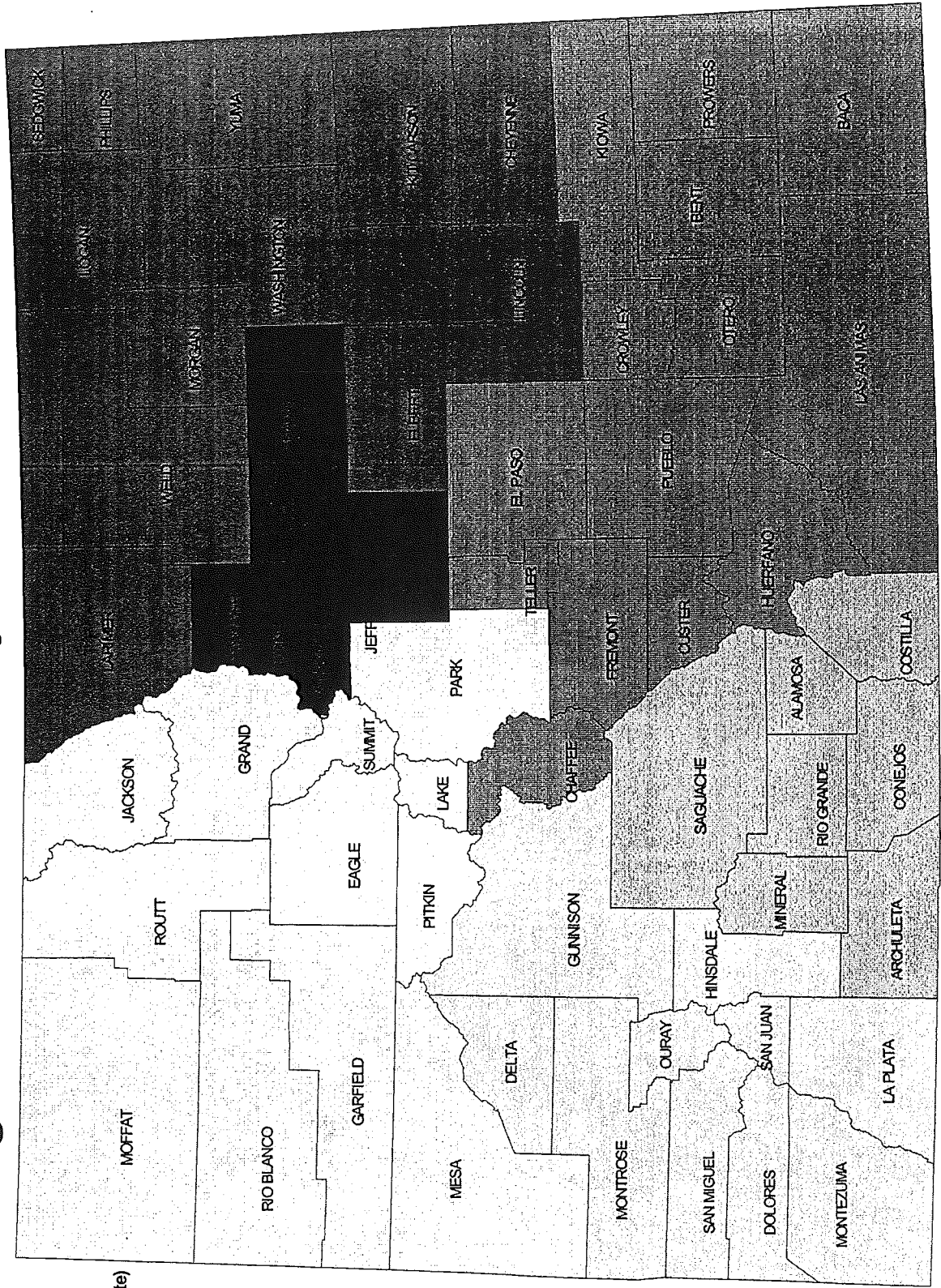
November 2000

| City              | Medical Advisor  |
|-------------------|--|
| Steamboat Springs | David Conni, M.D., F.A.C.E.P.<br>PO Box 770520<br>Steamboat Springs, Colorado 80477      |
| Colorado Springs  | Marilyn J. Gifford, M.D.<br>1400 East Boulder Street<br>Colorado Springs, Colorado 80909 |
| Fort Collins      | John A. Collins, M.D., F.A.C.S.<br>1148 East Elizabeth<br>Fort Collins, Colorado 80524   |
| Denver            | Peter T. Pons, M.D.<br>777 Bannock Street<br>Denver, Colorado 80204                      |
| Englewood         | Eugene Eby, M.D.<br>6005 South Chester Way<br>Englewood, Colorado 80110                  |
| Fredricks         | Timothy Zimmerman, EMT-P<br>P.O. Box 708<br>Fredricks, Colorado 80533                    |
| Salida            | Randall Rodak, DO<br>P.O. Box 429<br>Salida, Colorado 81201                              |
| Durango           | Dan Noonan<br>44301 US Highway 550<br>Durango, Colorado 81301                            |

| City   | Colorado Department of Public Health and Environment<br>Staff   |
|--------|---|
| Denver | Michael Armacost,<br>EMSPD, Prehospital Care Program Director<br>4300 Cherry Creek Drive South, A-5<br>Denver, Colorado 80246   |
| Denver | Benjamin Honigman, M.D.<br>Chairman, Medical Advisory Group<br>Colorado State Emergency Medical Services Medical Director<br>4300 Cherry Creek Drive South, A-5<br>Denver, Colorado 80246 |

# STATE OF COLORADO Staterwide 800 MHz Digital Trunked Radio Project Schedule

- Project Schedule
-  FY 98/99 Pilot Phase (complete)
  -  FY 99/00 Phase II (complete)
  -  FY 00/01 Phase III
  -  FY 01/02 Phase IV
  -  FY 02/03 Phase V
  -  FY 03/04 Phase VI
  -  FY 04/05 Phase VII
  -  Counties



Colorado Department  
of Public Health  
and Environment

Emergency Medical Services and Prevention Division  
Prehospital Care Program  
Map prepared by Lyn Pipp  
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# COLORADO DESIGNATED TRAUMA CENTERS

November 2000

| Level | Facility Name  | Location          | RETAC              |
|-------|--|-------------------|--------------------|
| RPTC  | The Children's Hospital                              | Denver            | Mile High          |
| I/P   | Denver Health Medical Center                         | Denver            | Mile High          |
| I/P   | Centura Health - Saint Anthony Central Hospital      | Denver            | Mile High          |
| II/P  | Memorial Hospital                                    | Colorado Springs  | Plains to Peaks    |
| II/P  | Saint Mary's Hospital & Medical Center               | Grand Junction    | Northwest Colorado |
| II/P  | Swedish Medical Center                               | Englewood         | Mile High          |
| II    | Centura Health - Penrose St. Francis Health Services | Colorado Springs  | Plains to Peaks    |
| II    | Medical Center of Aurora                             | Aurora            | Mile High          |
| II    | North Colorado Medical Center                        | Greeley           | High Plains        |
| II    | Poudre Valley Hospital                               | Fort Collins      | High Plains        |
| II    | University Hospital (UCHSC)                          | Denver            | Mile High          |
| III   | Aspen Valley Hospital                                | Aspen             | Central Mountain   |
| III   | Boulder Community Hospital                           | Boulder           | Foothills          |
| III   | Centura Health - Avista Adventist Hospital           | Louisville        | Foothills          |
| III   | Centura Health - Littleton Adventist Hospital        | Littleton         | Mile High          |
| III   | Centura Health - St. Mary Corwin Medical Center      | Pueblo            | Southern           |
| III   | Colorado Plains Medical Center                       | Fort Morgan       | High Plains        |
| III   | Exempla Healthcare/Lutheran Medical Center           | Wheat Ridge       | Foothills          |
| III   | Longmont United Hospital                             | Longmont          | Foothills          |
| III   | McKee Medical Center                                 | Loveland          | High Plains        |
| III   | Mercy Medical Center of Durango                      | Durango           | Southwest          |
| III   | Parkview Episcopal Medical Center                    | Pueblo            | Southern           |
| III   | San Luis Valley Regional Medical Center              | Alamosa           | San Luis Valley    |
| III   | Southwest Memorial Hospital                          | Cortez            | Southwest          |
| III   | Sterling Regional MedCenter                          | Sterling          | High Plains        |
| III   | Vail Valley Medical Center                           | Vail              | Central Mountain   |
| III   | Valley View Hospital                                 | Glenwood Springs  | Northwest Colorado |
| III   | Yampa Valley Medical Center                          | Steamboat Springs | Northwest Colorado |
| IV    | 7 Mile Medical Clinic                                | Winter Park       | Foothills          |
| IV    | Arkansas Valley Regional Medical Center              | La Junta          | Southeast          |
| IV    | Breckenridge Medical Center                          | Breckenridge      | Central Mountain   |
| IV    | Centura Health - Granby Medical Center               | Granby            | Foothills          |
| IV    | Centura Health - St. Anthony North Hospital          | Westminster       | Mile High          |
| IV    | Centura Health - St. Thomas Moore                    | Canon City        | Southern           |
| IV    | Centura Health - Summit Medical Center               | Frisco            | Central Mountain   |
| IV    | Clagget Memorial Hospital                            | Rifle             | Northwest          |

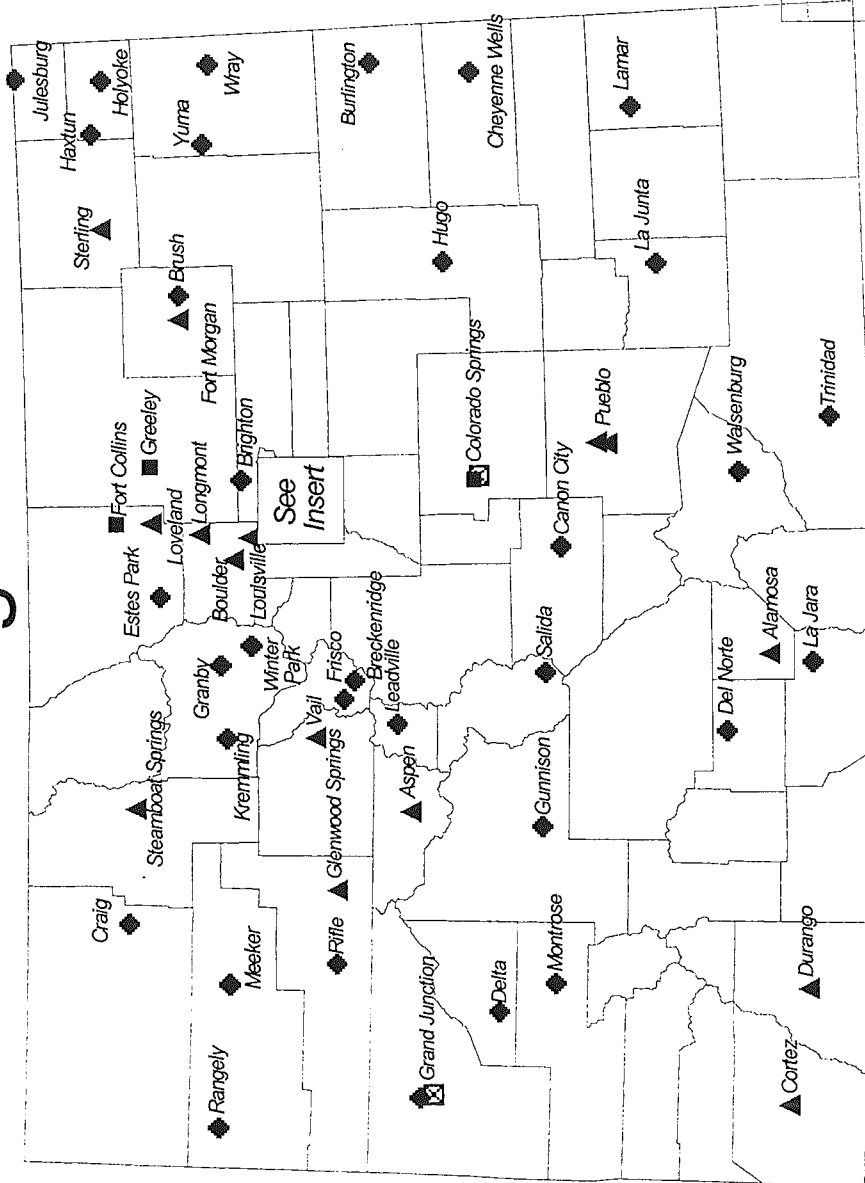
# COLORADO DESIGNATED TRAUMA CENTERS

November 2000

| Level | Facility Name                                | Location       | RETAC              |
|-------|--|----------------|--------------------|
| IV    | Community Hospital                           | Grand Junction | Northwest Colorado |
| IV    | Conejos County Hospital                      | La Jara        | San Luis Valley    |
| IV    | Delta County Memorial Hospital               | Delta          | Western            |
| IV    | East Morgan County Hospital                  | Brush          | High Plains        |
| IV    | Estes Park Medical Center                    | Estes Park     | High Plains        |
| IV    | Gunnison Valley Hospital                     | Gunnison       | Western            |
| IV    | Haxtun Hospital District                     | Haxtun         | High Plains        |
| IV    | Heart of the Rockies Regional Medical Center | Salida         | Central Mountain   |
| IV    | Huerfano Medical Center                      | Walsenberg     | Southern           |
| IV    | Keefe Memorial Hospital                      | Cheyenne Wells | Plains to Peaks    |
| IV    | Kit Carson County Memorial Hospital          | Burlington     | Plains to Peaks    |
| IV    | Kremmling Memorial Hospital District         | Kremmling      | Foothills          |
| IV    | Lincoln Community Hospital                   | Hugo           | Plains to Peaks    |
| IV    | Melissa Memorial Hospital                    | Holyoke        | High Plains        |
| IV    | Montrose Memorial Hospital                   | Montrose       | Western            |
| IV    | Mt. San Rafael Hospital                      | Trinidad       | Southern           |
| IV    | North Suburban Medical Center                | Thornton       | Mile High          |
| IV    | Pioneers Hospital of Rio Blanco              | Meeker         | Northwest Colorado |
| IV    | Platte Valley Medical Center                 | Brighton       | Mile High          |
| IV    | Prowers Medical Center                       | Lamar          | Southeast Colorado |
| IV    | Rangely District Hospital                    | Rangely        | Northwest Colorado |
| IV    | Rio Grande Hospital                          | Del Norte      | San Luis Valley    |
| IV    | Sedgwick County Hospital                     | Julesburg      | High Plains        |
| IV    | St. Vincent General Hospital District        | Leadville      | Central Mountain   |
| IV    | The Memorial Hospital                        | Craig          | Northwest          |
| IV    | Wray Community District Hospital             | Wray           | High Plains        |
| IV    | Yuma District Hospital                       | Yuma           | High Plains        |

| DESIGNATED TRAUMA SERVICES                      | TOTAL BY LEVEL |
|---|----------------|
| RPTC (Regional Pediatric Trauma Center)         | 1              |
| Level I/P (Level I with Pediatric Commitment)   | 2              |
| Level I   | 0              |
| Level II/P (Level II with Pediatric Commitment) | 3              |
| Level II  | 5              |
| Level III                                       | 17             |
| Level IV  | 35             |
| STATEWIDE TOTAL                                 | 63             |

# STATE OF COLORADO Designated Trauma Centers

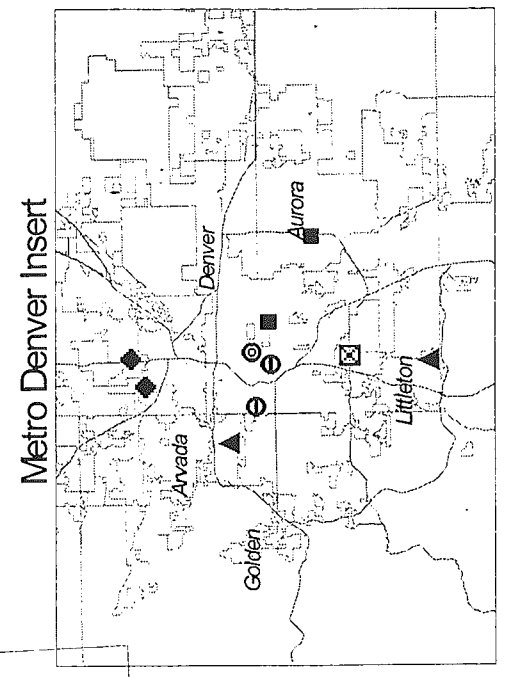


**Trauma centers**

- (1) RPTC
- (2) Level I/P
- (0) Level I
- (3) Level II/P
- (5) Level II
- (17) Level III
- (35) Level IV

□ Counties.shp

NOTE: Numbers in parentheses represent the total number of facilities for each trauma designation in Colorado.



Colorado Department  
of Public Health  
and Environment

Emergency Medical Services and Prevention Division  
Trauma Program  
map prepared by Lyn Pipp  
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September 2000



