

RESOURCES
NOTES FOR THE INSTRUCTOR

During this unit you will review the major sources of assistance to EMS via federal agencies. Special emphasis is placed on training, funding and technical assistance. Three agencies are especially pertinent: the Department of Health and Human Services (formerly HEW), the Department of Transportation, and the Federal Emergency Management Agency. Briefly describe what these agencies have done in EMS.

Point out to the students that this unit has a listing of many agencies, public and private, which can be useful to them later, since mailing addresses are included.

Since many of the students will have had dealings with some of these agencies solicit input from the class as to what services they already know are being provided by the referenced agencies.

RESOURCES

In this unit, you will be informed of private and federal resources for grants, training, publications and technical assistance useful to both EMS personnel and Emergency Program Managers.

At the end of the unit, you should be able to:

1. Explain the role of several federal agencies supporting EMS system development, and
2. cite several agencies (public and private) which are likely sources of the resources needed in order to achieve an effective EMS system.

In this unit, we will do the following:

1. learn about the roles of federal and private organizations can play in supporting EMS systems;
2. practice selecting and locating EMS resources.

NOTETAKING OUTLINE

Please refer to the list of resource agencies, which have been arranged to include a notetaking outline. Note also that this unit presumes that you are already familiar with emergency management resource agencies such as the American Society of Professional Emergency Planners, the American Civil Defense Association, and the National Coordinating Council on Emergency Management. Thus, special emphasis is instead given to resource agencies that deal specifically with Emergency Medical Services.

ORGANIZATION RESOURCE LIST

/FEDERAL AGENCIES/

Department of Health and Human Services

Notes: Administered Title 12 Program for EMS System development.

Address: Department of Health and Human Services
Office of Emergency Medical Services
P.O. Box 911
Rockville, MD 20852
PHONE: (301) 436-6267

Department of Transportation

Notes: Ambulance standards, courses for EMT, EMT-refresher, EMT-Paramedic, copyrighted "Star of Life" symbol.

Address: Department of Transportation
Emergency Medical Services Division
Enforcement & Emergency Services Division
National Highway Traffic Safety Administration
400 Seventh Street, SW
Washington, DC 20590
PHONE: (202) 472-5440

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National Technical Information Service

Notes: Computer search facilities available.

Address: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
PHONE: (703) 487-4600

/PRIVATE SOURCES/

American Academy of Orthopaedic Surgeons

Notes: Developed EMT text, "Care and Transportation
of the Sick and Injured".

Address: American Academy of Orthopaedic Surgeons
141 21st Street, Suite 404
Sacramento, CA 95814
PHONE: (916) 448-5223

American College of Emergency Physicians

Notes: Sponsors EMS Information Center.

Address: American College of Emergency Physicians
P.O. Box 61911
Dallas, TX 75261
PHONE: (214) 659-0911

Federal Emergency Management Agency

National Fire Academy

Notes: Resident 2 week course, (Management of EMS for the Fire Service), Outreach 2-day course (EMS Administration)

Address: National Fire Academy
National Emergency Training Center
16825 South Seton Avenue
Emmitsburg, MD 21727
PHONE: (800) 638-9600

U.S. Fire Administration

Notes: Rockville Report; funded Fire Service/EMS Program Management Guide; Technical Support Services (free problem solvers, consultants); "Born of Necessity" Conferences, EMS Resource Center, etc.

Address: United States Fire Administration
EMS Resource Center, Office of
Planning and Education
Federal Emergency Management Agency
Washington, DC 20472
PHONE: (202) 287-0770

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American College of Surgeons

Notes: Developed equipment lists for ambulance material. Has an active Committee on Trauma

Address: American College of Surgeons
Committee on Trauma
55 East Erie Street
Chicago, IL 60611
PHONE: (312) 664-4050

American Medical Association

Notes: Publishes "Allied Health Newsletter". Assisted in the development of national EMS academic accreditation standards.

Address: American Medical Association
Commission on Emergency Medical Services
535 North Dearborn Street
Chicago, IL 60610
PHONE: (312) 751-6000

American Trauma Society

Notes: offers Public Relations Guidebook, information on trauma reduction, technical assistance through state divisions.

Address: American Trauma Society
875 N. Michigan Avenue
Chicago, IL 60611
PHONE: (312) 649-1080

Emergency Care Information Center

Notes: offers monthly update on EMS-related media and periodicals via newsletter, Medical 911.

Address: Emergency Care Information Center
(Medical 911)
P.O. Box 457
Wilton, CT 06897
PHONE: (203) 762-3911

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Emergency Care Research Institute

Notes: publishes research and updates on health related devices and technology.

Address: Emergency Care Research Institute
5200 Butler Pike
Plymouth Meeting, PA 19462
PHONE: (215) 825-6000

Emergency Department Nurses Association

Notes: Major impetus in development of emergency department nurses as professionals.

Address: Emergency Department Nurses Association
666 Lake Shore Drive
Chicago, IL 60671
PHONE: (312) 649-0297

EMS Management Institute

Notes: information clearinghouse specifically on EMS management, publishes Mutual Aid®, the Public Safety Newsletter.

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Address: EMS Management Institute
P.O. Box 102
Sterling, VA 22170
PHONE: (703) 450-6097

Emergency Medicine Residents' Association

Notes:

Address: Emergency Medicine Residents' Association
P.O. Box 61911
Dallas, TX 75261
PHONE: (214) 659-0920

International Association of Fire Chiefs

Notes: Co-sponsored EMS Management seminar series
with U.S. Fire Administration and the
International Assoc. of Firefighters.

Address: International Association of Fire Chiefs
1329 18th Street NW
Washington, DC 20036
PHONE: (202) 833-3420

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International Association of Firefighters

Notes: Sponsors "EMT-Apprenticeship" program.

Address: International Association of Firefighters
1750 New York Avenue NW
Washington, DC 20006
PHONE: (202) 872-8484

International Society of Fire Service Instructors EMS Instructor Section

Notes: new EMS instructor section formed March 1981.
Publishes newsletter on EMS instruction.

Address: ISFSI EMS Instructor Section
P.O. Box 88
Hopkinton, MA 01748
PHONE: (617) 435-6921

National Association of Emergency Medical Technicians, Society of EMS Administrators

Notes: seminar programs, publishes "The EMT Journal"

Address: National Association of Emergency Medical
Technicians
Society of EMS Administrators
P.O. Box 334
Newton Highlands, MA 02161
PHONE: (617) 894-7179

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National Association of State EMS Directors

Notes:

Address: National Association of State EMS Directors
Office of Emergency Medical Services
Department of Health and Social Services
482 Hathaway Building, Room 528
Cheyenne, WY 82002
PHONE: (307) 777-7955

National Council of State EMS Training Coordinators

Notes:

Address: National Council of State EMS Training
Coordinators
Emergency Medical Services Bureau
State Department of Health and
Environmental Sciences
Cogswell Building
Helena, MT 59601
PHONE: (406) 449-3895

National Registry of Emergency Medical Technicians

Notes: Testing and certification of EMS personnel
as EMTs or paramedics.

Address: National Registry of Emergency Medical
Technicians
P.O. Box 29233
Columbus, OH 43229
PHONE: (614) 888-4484

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University Association for Emergency Medicine

Notes:

Address: University Association for Emergency
Medicine
900 W. Ottawa, P.O. Box 17037
Lansing, MI 48915
PHONE: (517) 485-5484

PRIVATE ORGANIZATIONS (NON-EMS)

American Management Association

Notes: Widely-respected source of general management
information.

Address: American Management Association
135 W. 50th Street, NW
New York, NY 10020
PHONE: (212) 586-8100

American Society of Association Executives

Notes: publishes variety of non-profit agency
reference material.

Address: American Society of Association Executives
1575 I. Street NW
Washington, DC 20005
PHONE: (202) 626-2723

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The Foundation Center

Notes: information on foundations which could be
EMS funding sources.

Address: The Foundation Center
888 Seventh Avenue
New York, NY 10019
PHONE: (212) 975-1120

The Grantsmanship Center

Notes: Information on the process of obtaining grants.

Address: The Grantsmanship Center
1031 S. Grand Ave.
Los Angeles, CA 90015
PHONE: (213) 749-4721

National Center for Citizen Involvement

Notes: Information on attracting, managing, and
maintaining citizen volunteer workers

Address: National Center for Citizen Involvement
P.O. Box 4179
Boulder, CO 80306
PHONE: (303) 447-0492

NATIONAL VOLUNTARY ORGANIZATIONS ACTIVE IN DISASTERS

The American National Red Cross

NOTES:

Address: The American National Red Cross
17th and D Streets NW
Washington, DC 20006
PHONE: (202) 737-8300

The American Radio Relay League, Inc. (ARRL)

Notes:

Address: The American Radio Relay League, Inc.
Administrative Headquarters,
Newington, CT 06111
PHONE: (203) 666-1541

Aranada Marga Universal Relief Team (AMURT)

Notes:

Address: Aranada Marga
North American Headquarters
854 Pearl Street
Denver, CO 80203
PHONE: (303) 832-6465

B'nai B'rith Disaster Relief Commission

Notes:

Address: B'nai B'rith Disaster Relief Commission
1640 Rhode Island Avenue, NW
Washington, DC 20036
PHONE: (202) 857-6600

Boy Scouts of America

Notes:

Address: Boy Scouts of America
National Office
1325 Walnut Hill Lane
Irving, TX 75062
PHONE: (214) 659-2000

Christian Reformed World Relief Committee

Notes:

Address: Christian Reformed World Relief Committee
2850 Kalamazoo Avenue, SE
Grand Rapids, MI 49560
PHONE: (616) 241-1691

Church of the Brethren General Board

Notes:

Address: Church of the Brethren General Board
1451 Dundee Avenue
Elgin, IL 60120
PHONE: (312) 742-5100

Church World Service

Notes:

Address: Church World Service
475 Riverside Drive
New York, NY 10027
PHONE: (212) 870-2066

The Episcopal Church

The Presiding Bishop's Fund for World Relief

Notes:

Address: The Episcopal Church
The Presiding Bishop's Fund for World
Relief
815 Second Avenue
New York, NY 10017
PHONE: (212) 867-8400

Mennonite Disaster Service

Notes:

Address: Mennonite Disaster Service
21 South 12th Street
Akron, PA 17501
PHONE: (717) 859-1151

National Association for the Advancement of Colored People

Notes:

Address: National Association for the Advancement
of Colored People
1790 Broadway, 12th Floor
New York, NY 10019
PHONE: (212) 245-2100

National Catholic Disaster Relief Committee

Notes:

Address: National Catholic Disaster Relief Committee
1346 Connecticut Ave., NW
Washington, DC 20036
PHONE: (202) 785-2757

Presbyterian Church in the United States Crisis Fund

Notes:

Address: Presbyterian Church in the United States
Relief Fund
341 Ponce de Leon Avenue, NE
Atlanta, GA 30365
PHONE: (404) 873-1431

REACT International, Inc.

Notes:

Address: REACT International, Inc.
75 East Wacker Drive
Chicago, IL 60601
PHONE: (312) 346-0978

The Salvation Army

Notes:

Address: The Salvation Army
799 Bloomfield Avenue
Verona, NJ 07044
PHONE: (212) 620-4900

Seventh Day Adventist Community Services

Notes:

Address: Seventh Day Adventist Community Services
General Conference of Seventh Day Adventists
6840 Eastern Avenus, NW
Washington, DC 20012
PHONE: (202) 723-0800

Society of St. Vincent de Paul

Notes:

Address: Society of St. Vincent de Paul
4140 Lindell Boulevard
St. Louis, MO 63108
PHONE: (314) 371-4980

Southern Baptist Convention, Home Mission Board

Notes:

Address: Southern Baptist Convention
1350 Spring Street NW
Atlanta, GA 30309
PHONE: (404) 873-4041

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United Methodist Committee on Relief (UMCOR)
and the National Division - Board of Global Ministries,
United Methodist Church

Notes:

Address: United Methodist Committee on Relief
Room 1470
475 Riverside Drive
New York, NY 10027
PHONE: (212) 678-6281

The United Presbyterian Church U.S.A., World Relief,
Emergency, and Resettlement Services

Notes:

Address: The United Presbyterian Church, U.S.A.
Room 1268
475 Riverside Drive
New York, NY 10027
PHONE: (212) 870-2475

Volunteers of America

Notes:

Address: Volunteers of America
General Ray C. Tremont
3939 Causeway Boulevard
Suite 202
Metairie, LA 70002
PHONE: (504) 837-2652

MEDICAL CONTROL NOTES FOR THE INSTRUCTOR

In this unit you will use overhead transparencies (OHTs) to explain the difference between basic and advanced life support. Emphasize that advanced life support is so sophisticated that a physician must, by law in most states, be responsible for it.

Using OHTs you will also define medical control, and the phases and components of medical control.

The key point to be made in this unit is that Emergency Program Managers are going to have to deal with physicians if they are to be successful in integrating EMS into their disaster planning efforts.

Allow approximately 5-10 minutes for completion of the end-of-unit activity. Correct answers are included in this instructor guide.

MEDICAL CONTROL

In this unit you will be introduced to basic medical control concepts and issues. At the conclusion of this unit you should be able to:

1. Explain the difference between basic and advanced life support
2. Define medical control
3. List the three phases of medical control
4. Explain the importance of medical control

In this unit we will do the following:

1. Discuss the difference between basic and advanced life support.
2. Learn about the phases and components of medical control, and how they work to insure high quality patient care.

medical control

NOTETAKING OUTLINE

1. BASIC LIFE SUPPORT

2. ADVANCED LIFE SUPPORT

3. MEDICAL CONTROL

4. THREE PHASES OF MEDICAL CONTROL

A.

B.

C.

5. COMPONENTS OF MEDICAL CONTROL

A.

B.

C.

D.

medical control

MEDICAL CONTROL BACKGROUND READING FOR THE STUDENT

BASIC LIFE SUPPORT

One of the most difficult EMS concepts to grasp is that of medical control. For decades fire departments, and other EMS provider agencies, have provided emergency medical care at the basic life support (BLS) level. Basic life support techniques typically involve the control or resolution of immediate life-threatening problems with simple, yet effective, skills or equipment. Examples of BLS activities include:

1. Opening a blocked airway
2. Performing cardiopulmonary resuscitation (CPR)
3. Stopping serious bleeding with direct manual pressure
4. Using a splint to immobilize a fractured bone

Usually, EMS agencies that provided BLS care did so without active medical control. Often these same agencies had physicians serving in medical advisor roles. But, these medical advisors, in many cases, took no active role in the approval or supervision of medical techniques.

ADVANCED LIFE SUPPORT

The arrival of advanced life support (ALS) heralded the appearance of active medical control. ALS techniques include

medical control

the stabilization and/or reversal of medical and shock conditions via invasive techniques (i.e., skills such as intravenous (I.V.) therapy, which go inside or "invade" the patient's body) and other sophisticated skills. Examples of ALS activities include:

1. Cardiac defibrillation
2. Endotracheal tube insertion
3. Injection of medications
4. Initiation of intravenous therapy

In most states these advanced skills can only be performed by a physician. However, usually state medical practice acts specify that a physician can delegate certain non-discretionary acts. To formalize the situation further state health departments have established rules which describe who can perform these non-discretionary ALS acts and under what circumstances. One of the commonest requirements is that all ALS medical matters (treatment methods, ALS certification, etc.) must be supervised by a designated physician medical director.

Quite simply, then, in order to have a pre-hospital ALS program you must have a medical director, who provides medical control. There also appears to be a developing trend: medical control at the basic life support level, where physicians take a more active role in BLS training and operations.

medical control

DEFINITION OF MEDICAL CONTROL

Medical control is the provision of adequate medical supervision designed to insure quality medical care.

MEDICAL DIRECTOR DEFINITION

The medical director is the physician (usually state-authorized) in charge of all medical components of an EMS pre-hospital delivery system. He has ultimate responsibility for all ALS patient care.

MEDICAL CONTROL PHASES

There are three broad phases of medical control, which the medical director oversees. They are:

1. PROSPECTIVE--that is , before the occurrence of an emergency; typically during training. Another example of prospective medical control is the set of protocols (or written guidelines) that the medical director develops.
2. IMMEDIATE--that is, during the emergency. For example, a physician communicating medical orders via radio to paramedics at the scene is exercising immediate medical control.
3. RETROSPECTIVE--that is, after the emergency. Retrospective medical control includes ALS continuing education, medical auditing, etc.

medical control

All three phases are necessary if an EMS system is to have effective medical control, and quality patient care.

MEDICAL CONTROL COMPONENTS

The medical director is usually involved, to some extent, in all of the following:

- EMT-Paramedic training
- EMT-Paramedic retraining
- Continuing medical education
- Field ALS protocols
- Standing orders
- Medical auditing
- Initial paramedic selection
- Transport protocols
- Patient follow-up
- Communications protocol input
- Management of paramedic recertification
- Dealing with the medical intervenor
- Complaint resolution

It is important for the Emergency Program Manager to understand the role of the medical director and the concept of medical control, particularly during disaster operations. Participation in the jurisdictional EMS council provides an opportunity to delineate roles prior to a disaster. Further information on medical control is contained in the Medical Issues Unit.

medical control

UNIT ACTIVITY

Match the Medical Control Phase with the correct Medical Control Component by placing the appropriate number in the provided spaces:

MEDICAL CONTROL PHASE

1. Prospective
2. Immediate
3. Retrospective

MEDICAL CONTROL COMPONENT

- 1 Communications Protocols
- 1 Written Guidelines developed by the EMS Director
- 3 Complaint Processing
- 2 Communicating Medical Orders to the Scene
- 3 Patient Follow-up
- 1 EMT-Paramedic Training
- 3 EMT-Paramedic Re-training
- 3 Medical Auditing
- 3 Continuing Medical Education
- 1 Transport Protocols