

The Mid-America Regional Council Emergency Rescue Committee (MARCER) has established an online registration system that will allow AED owners to meet state registration and notification requirements quickly and easily.

Under Missouri and Kansas law, all AEDs must be registered with local emergency response agencies. Some cities in the region also have AED registration ordinances. When you use the MARCER online form to register your AED, your local EMS agency will automatically receive notification.

"Any person or entity who acquires an automated external defibrillator shall notify the emergency communications district or the ambulance dispatch center of the primary provider of emergency medical services where the automated external defibrillator is to be located."

--RSMO 190.092(2)

The MARCER online AED registry serves AED owners and EMS agencies in Cass, Clay, Jackson, Platte and Ray counties in Missouri and Johnson, Leavenworth and Wyandotte counties in Kansas.

www.marc.org/AED

MARCER, a committee composed of EMS professionals, promotes regional coordination and cooperation in emergency pre-hospital care for metropolitan Kansas City. For more information, visit www.marc.org/emergency

Warning Signs of Cardiac Arrest

- **Chest discomfort:** most heart attacks involve discomfort in the center of the chest that lasts more than a few minutes, or that goes away and comes back. It can feel like uncomfortable pressure, squeezing, fullness or pain.
- **Discomfort in other areas of the upper body:** symptoms can include pain or discomfort in one or both arms, the back, neck, jaw or stomach.
- **Shortness of breath:** this feeling often comes along with chest discomfort. But it can occur before the chest discomfort.
- **Other signs:** these may include breaking out in a cold sweat, nausea or lightheadedness.

— The American Heart Association

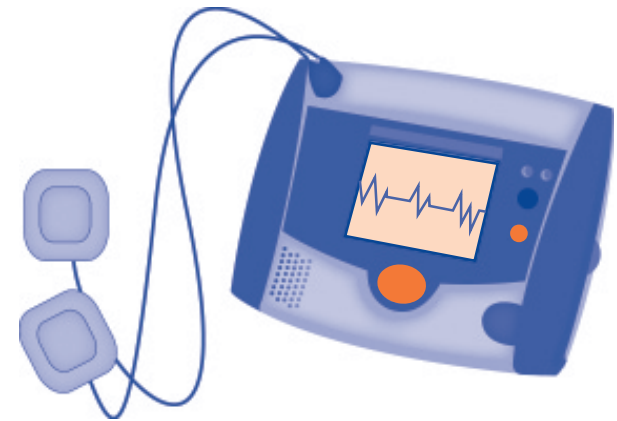
MARC

**Mid-America Regional Council
Public Safety and Emergency Services**

600 Broadway
Suite 300
Kansas City, MO 64105-1554
(816) 474-4240
www.marc.org

**Announcing
Online AED
Registration**

Automated External Defibrillator Registry



**Mid-America
Regional Council
Emergency Rescue
Committee**

MARCER

What is an AED?



An Automated External Defibrillator (AED) is a portable device that analyzes the heart's rhythm and, if necessary, alerts the rescuer to deliver an electrical shock, called defibrillation, to the victim. This shock can reestablish an effective heartbeat.

Every minute that defibrillation is delayed reduces the chance of a victim's survival by 10 percent. After 10 minutes, the victim barely has a chance of surviving a cardiac emergency.

Emergency Medical Service (EMS) professionals have traditionally provided early defibrillation, but quick EMS response is not always available. EMS professionals can be delayed by heavy traffic, high-rise and secured buildings, large business complexes and gated communities.

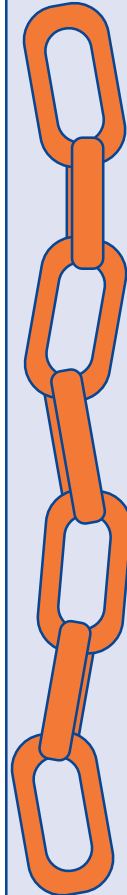
Many schools, public agencies, local businesses and individuals have chosen to purchase an AED for use in the event of a cardiac emergency. MARCER encourages anyone responsible for management of this type of facility to consider purchase of AED equipment.

Sudden Cardiac Arrest

Sudden cardiac arrest is a condition in which the heart begins to beat in an abnormal rhythm, called arrhythmia. Arrhythmias are uncontrollable, chaotic rhythms that do not effectively pump blood throughout the body. Victims will quickly lose consciousness and without intervention will die. Nearly 250,000 Americans die from sudden cardiac arrest every year — that's almost one death every two minutes! Approximately 50,000 of these deaths could have been prevented if someone had initiated the **Cardiac Chain of Survival**.

The Cardiac Chain of Survival

The Cardiac Chain of Survival is a four-step process to providing care for victims of sudden cardiac arrest. The links in the chain include:



1 Early recognition and early access

Early recognition includes awareness of the warning signs of a heart attack or cardiac arrest. As soon as a cardiac emergency is recognized, begin early access by calling 9-1-1.

2 Early Cardiopulmonary Resuscitation (CPR)

CPR is a critical link in the cardiac chain of survival. CPR helps circulate oxygenated blood to all of the vital organs until an AED can be used or until advanced medical personnel arrive and take over. The earlier CPR is initiated, the greater the victim's chance of survival.

3 Early Defibrillation

Most victims of sudden cardiac arrest will need an electrical shock from an AED to reestablish an effective heart rhythm. Every minute that defibrillation is delayed reduces the victim's chance of survival by 10 percent.

4 Early Advanced Life Support

Early advanced medical personnel give cardiac arrest victims the extra care needed and provide transport to a medical facility.