



Introduction:

The Automatic External Defibrillator is very user friendly and can be used by any staff athletic trainer, first responder, athletic training student, coach, or athletic department administration certified in AED by the American Red Cross or American Heart Association. EMT or higher certification also meets the criteria for usage. The following are guidelines for usage by an AED certified staff member. **The AED unit is to be used only on patients in cardiopulmonary arrest. The patient must be unconscious, lacking a pulse, and not breathing normally. The AED in the ICI Center and one Sports Med unit contain pediatric pads that are to be used on children 8 years or younger or 50 lbs and under.** The highest risk group we will deal with is probably the spectators in the bleachers. Be prepared for a spectator to go into cardiac arrest and do not hesitate to use an ERAU AED on a spectator. A traveling AED can be used in a lay responder manner during away competitions.

AED Locations:

There are several AEDs located on the east side of Clyde Morris Blvd. among the athletic facilities. There are fixed units located in the Alumni Building, Track and Field Complex, lobby of the ICI Center, lobby of the Baseball/Softball Building and the storage shed at the ROTC obstacle course. There are also two portable AED units stored in the ICI Center Athletic Training Room Office (Room 109) and one in the Baseball/Softball Athletic Training Room Office. One portable AED unit will be available for travel to away competitions if not needed for home events. One portable AED unit will be provided to Rowing coach for use at boat house.

The Sports Medicine staff will determine the location of the portable AED units. The selection of the location for the portable AED unit(s) is based upon the following conditions:

- Sudden Cardiac Death (SCD) occurs in male athletes more than female athletes, and in African-American athletes more than in any other race of athletes.
- Men's basketball has the highest reports of SCD, and blunt injuries to the chest can cause ventricular fibrillation.
- The total number of participants and/or fans at the specific venues is to be considered for both home and away competitions. For home events, it should also be determined if ERAU Emergency Response Team (ERT) will be on-site.
- All home contests will supersede practices and away events, unless EMS is on site. If EMS is on-site and activity is going on elsewhere, the AED will be at the non-EMS covered site.
- If it is known that the team hosting an away competition will have an AED on site, ERAU AED will remain at home.
- When there are multiple home events, the Sports Medicine staff will determine the best location for the AED(s). All other sites will have the contact information for the provider on site with the AED (either cellular phone or radio), and the AED can be easily relocated to another site if an emergency arises.
- Location of the AED will not be based upon gender; both male and female sports will have equal access to the AED with decisions being based upon the above criteria.
- If a baseball and softball game are being played simultaneously, portable AED unit will be on site at baseball game and fixed AED unit in the Baseball/Softball building lobby will be used if an emergency arises at softball game.

Use Safety:

- Do not use an AED if the victim is breathing, conscious, or has detectable pulse or other signs of circulation.
- Do not use a unit in or near puddles of water. If necessary during operation, use the poncho included in the unit case to shield both the unit and patient from rain/water.
- Do not use an AED in the presence of flammable gases or anesthesia.
- Avoid operating an AED unit near cauterizers or diathermy equipment. Maintain equipment separation of at least four feet.
- Ensure patient's skin is dry before applying electrodes.

General Safety:

- Do not attempt to operate the AED unit unless thoroughly familiar with the operating instructions, and the function of all controls, indicators, connections, and accessories.
- Do not disassemble AED.
- Do not immerse any portion of the AED unit in water or other fluids. If necessary during operation, use the poncho included in the unit case to shield both the unit and patient from rain/water.