

**FAIRHAVEN PUBLIC SCHOOLS  
AUTOMATED EXTERNAL DEFIBRILLATOR (AED)  
Policy and Protocol**

**INTRODUCTION**

The Automated External Defibrillator will enable targeted responders in the Fairhaven Public School system to deliver early defibrillation to victims in the first critical moments after a sudden cardiac arrest. Responders' use of the AED should not replace the care provided by emergency medical services (EMS) providers, but is meant to provide a lifesaving bridge during the first few critical minutes it takes for advanced life support providers to arrive. Upon arrival of the EMS providers, patient care should be transferred to them.

**MEDICAL DIRECTOR**

The School Physician has authority over the entire AED program and its participants. General responsibilities include the establishment and maintenance of the guidelines for care included in the protocol. In addition, the School Physician also ensures quality assurance, compliance to protocols, proper training, and provides positive reinforcement to individuals and the system, as well as corrective instruction, when appropriate.

School Physician: Teodor Georgescu, M.D.

Phone Number: 1-508-999-2981

The AED Coordinator is an employee of the Fairhaven Public Schools who is the primary liaison between the School Department's AED program and the School Physician. This person has the responsibility for maintaining all equipment and supplies, organizing training programs and regular re-training programs, forwarding any incident data to the School Physician, and holding post-incident debriefing sessions for any employees involved.

AED Coordinator: \_\_\_\_\_

Phone Number: \_\_\_\_\_

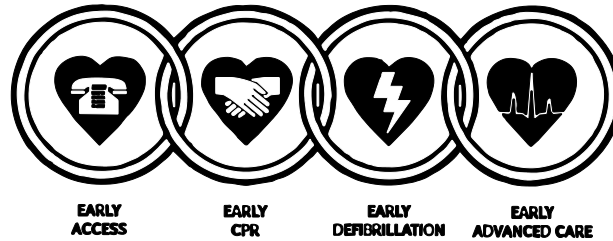
Targeted Responders: School nurse in each school will maintain this list

Specific individuals in each school are targeted and trained to use an AED in a sudden cardiac arrest emergency. These individuals are trained and operate under the direction of the School Physician.

A list of targeted responders in each school is maintained by the AED Coordinator and each School Nurse and is available in the nurses' office of the school.

# IN CASE OF EMERGENCY, INITIATE

## Chain of Survival



### Activate 9-1-1

- Assess scene safety.
- Assess responsiveness. Tap shoulder and shout, “Are you OK?”
- Activate emergency response plan. Assign an individual to:
  - Call 9-1-1. Provide dispatcher with location of victim, emergency details, and notify them that an AED is being deployed within the school.
  - Assign an individual to get AED machine.
  - Broadcast over the PA system the announcement “CODE BLUE” to activate targeted responders and indicate the location of the victim.
  - Assign an individual to wait at the front entry and help lead the EMS personnel to the victim.
- Check ABC’s:
  - Assess Airway. Perform head-tilt, chin lift to open airway.
  - Assess Breathing. Look, listen and feel. If breathing is absent, use barrier mask (if available) to deliver 2 rescue breaths.
  - Assess Circulation.

### Early CPR

Perform CPR until the AED arrives:

#### ADULT

- Compress and release chest 30 times (Rate: 100 compressions/minute).
- Continue CPR. 30 compressions/2 rescue breaths. Check pulse after 4 cycles and every few minutes thereafter. (health care providers only)

#### CHILD/ INFANT

- Compress and release chest 30 times (Rate: 100 compressions /minute)
- Continue CPR. 30 compressions/2 rescue breaths. Check pulse after one minute and every few minutes thereafter. (health care provider only)

**ADULT PADS :** VICTIMS > 8 YEARS OLD OR > 55 POUNDS.  
**CHILD/INFANT PADS:** VICTIMS 8 YEARS OLD OR UP TO 55 POUNDS.

## **Early Defibrillation**

Remove victim from water if necessary.

- When defibrillator arrives:
  - Place AED near head of victim.
  - Turn on the AED.
  - Bare and prepare the chest (cut or tear away clothing, shave or clip excessive chest hair if present, dry the chest if wet, wipe off any medication creams if present).
  - Follow AED's verbal and visual prompts.
  - Apply electrodes (follow drawings on pads).
  - Allow AED to analyze. Be sure that no one is touching victim while AED is analyzing victim's heart rhythm. "I'm clear. You're clear. We're all clear."
  - If indicated, deliver shock by pressing the orange button.
  - Continue care per AED treatment algorithm.

## **Early advanced care life support**

- Have assigned person wait for EMS providers at front entry of the school building and help guide them through the building to the victim.
- Responders working on the victim should communicate any important information to the EMS providers such as:
  - Victim's name.
  - Any known medical problem, allergies, or medical history.
  - Time the victim was found.
- Initial and current condition of the victim.
- Information from AED screen:
  - Number of shocks delivered.
  - Length of time defibrillator has been used.
- Help EMS personnel as requested.

## **AED station inventory**

Quantities of supplies:

- One AED
- One User's guide
- One storage cabinet
- Two sets of electrode pads (ADULT)
- Two sets of electrode pads (CHILD/INFANT)
- One installed battery and one spare
- One installed PC data card
- One carrying case
- One mouth barrier device
- One razor
- One pair of scissors
- One set of gloves
- 4x4 gauze

## **Responder Post-use procedure**

The AED Coordinator will do the following after any AED use:

- Notify School Physician.
- Remove used PC data card and replace it with a spare. Label used PC data card with patient information and give it to EMS personnel if not given to EMS personnel at time of incident.
- Conduct employee incident debriefing as needed.
- Complete incident follow-up report as deemed necessary by the School Physician.
- Restock any used electrode pads, batteries, razors, mouth barrier devices, or gloves. Inspect unused supplies for any damage or old expiration dates.
- Remove and replace battery in the AED and do a Battery Insertion Test (BIT) prior to replacing the AED into service.
- Clean the AED if needed. Review the User's Guide for a list of appropriate cleaning agents.

## **Regular Maintenance**

See User's Guide for complete maintenance schedule.

## **Daily and after each use**

The School Nurse or her delegate will:

- Check the Status Indicator. Verify alternating dark and hourglass shapes indicating readiness for use. (See AED's User's Guide for explanation of a flashing red X, a solid red X, or a constant dark shape).
- Ensure all supplies, accessories, and spares are present and are in operating condition. Check expiration dates and any obvious signs of damage.

### **Weekly and after each use**

The School Nurse or her delegate will:

- Inspect the exterior and connector for signs of damage.

### **After each use**

The School Nurse or her delegate will:

- Inspect the exterior and connector for dirt or contamination.
- Check status indicator. Perform a Battery Insertion Test (BIT) to confirm AED is ready to be put back in service.
- Remove PC data card and replace it with a spare. Apply a patient ID label to the used PC data card and deliver to EMS personnel if not given to EMS personnel at time of incident.

S.C. Adopted: 7/22/2009