

**GREATER  
JOHNSTOWN  
CAREER &  
TECHNOLOGY CENTER**

SECTION: OPERATIONS

TITLE: AUTOMATED EXTERNAL  
DEFIBRILLATOR (AED)

ADOPTED: April 22, 2008

REVISED:

<p>1. Purpose</p> <p>2. Guidelines</p>	<p style="text-align: center;">822. AUTOMATED EXTERNAL DEFIBRILLATOR (AED)</p> <p>The Automated External Defibrillator (AED) will enable trained responders in the school setting 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, but it is meant to provide a lifesaving bridge during the first few critical minutes it takes for ambulance personnel to arrive. Upon arrival of the EMS providers, patient care should be transferred.</p> <p>All personnel and students who have successfully completed an approved Adult CPR &amp; AED Training Program by the American Heart Association or American Red Cross and have a current successful course completion card may use the AED.</p> <p>The AED units are owned by the center and will be housed in secure and accessible locations.</p> <p>AED units are to be checked each working day for errors.</p> <p>In the event the AED is used on a victim of cardiac arrest, an Incident Report will be filed and a copy of the recorded files, downloaded from the AED, will be provided to the Emergency Medical Service, and/or the victim's physician.</p> <p>The medical advisor of the AED program is our school physician. The medical advisor of the AED Program is responsible for writing a prescription required to purchase AEDs and reviewing and approving guidelines for emergency.</p> <p>An inservice training video shall be kept in the staff library for trained volunteer responders to review at any time to provide opportunity for additional reinforcement of skills.</p>
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Protocol For Use Of Automated External Defibrillator

Immediately upon arrival, check the scene for safety, then verify sudden cardiac arrest:

1. Verify unconsciousness.
2. If no response, call, or have someone else call 911.
3. Open airway.
4. Verify no breathing.
5. Deliver two (2) rescue breaths.

Contraindications: AED is not to be used on children less than fifty-five (55) pounds or less than eight (8) years of age.

After verification of sudden cardiac arrest:

1. Perform CPR if there is a delay in obtaining or using the AED.
2. Move patient if lying on or near metal.
3. Turn on the AED.
4. Bare and prepare chest (cut or tear away clothing, if excessive chest hair, shave or clip; dry the chest if wet – never use alcohol pads).
5. Follow verbal and visual prompts.
6. Apply defibrillation pads as per diagram on machine.

Allow AED to analyze – if shock advised:

1. Clear patient verbally and visually prior to shock delivery.
2. Deliver a shock when prompted by pushing the “shock” button.
3. Defibrillate up to three (3) times.

4. Check pulse – if absent, perform CPR for one (1) minute; continue sequence of three (3) shocks and one (1) minute of CPR until a “no shock” prompt or EMS arrives.

If no shock advised:

1. Check pulse – if no pulse, perform CPR until the AED reanalyzes; if pulse is present, assess vital signs, support airway and breathing until EMS arrives.
2. Continue until AED prompts, “Do not touch the patient ...” following instructions, or until EMS arrives.

#### Post-Use Procedures

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

1. Notify medial director (school doctor).
2. The school nurse will then:
  - a. Remove used PC data card and replace it with a spare. Label used PC data card with patient information and deliver to appropriate personnel.
  - b. Conduct employee incident debriefing, as needed.
  - c. Complete incident report.
  - d. Restock any used electrode pads, batteries, razors or gloves. Inspect unused supplies for any damage or old expiration dates.
  - e. Remove and replace battery in the AED and do a Battery Insertion Test prior to replacing the AED into service.
  - f. Clean the AED if needed.
  - g. Inspect the exterior and connector for dirt or contamination.

References:

School Code – 24 P.S. Sec. 1423

Civil Immunity for Use of Automated External Defibrillator and First Aid –  
42 Pa. C.S.A. Sec. 8331.2, 8337.1