

Board Policy Manual
William S. Hart Union High School District

Regulation 3515.7: Placement And Use Of Automated External Defibrillators
Original Adopted Date: 7/20/05

Status:
ADOPTED

Purpose

The purpose of these guidelines is to provide guidance to those employees of William S. Hart Union High School District who are trained and willing to use an Automated External Defibrillator (AED) in the event such use is needed. These guidelines are not to create an obligation to use such devices (AEDs) nor to create any expectation that either an AED or a trained employee will be present and/or able to use an AED even if a condition arises making the use of an AED beneficial. It is the hope of the William S. Hart Union High School District that by increasing the availability of AEDs and persons trained to use them, both the school and larger community may be aided. This is because of the evidence that on-site responders are more likely to arrive quicker than the Emergency Medical Services (EMS) to incidents of "sudden death." Therefore, by equipping and training employees in the use of AEDs we will increase the potential to save lives through AED intervention. This program is intended to provide the employees with uniform guidelines to follow when responding to potential "sudden death" incidents and in intervening with an AED.

Definition

Sudden Death is a condition that occurs when the electrical impulses of the human heart malfunction causing a disturbance in the heart's electrical rhythm called ventricular fibrillation (VF). This erratic and ineffective electrical heart rhythm causes complete cessation of the heart's normal function of pumping blood resulting in sudden death. The most effective treatment for this condition is the administration of an electrical current to the heart by defibrillator, delivered within a short time of the onset of (VF).

Procedures

The William S. Hart Union High School District anticipates that where reasonably possible, employees who are present when an incident occurs and who are trained to do so will react to incidents with the potential of "sudden death" by activating the EMS response.

Guidelines

All William S. Hart Union High School District employees will follow standard American Red Cross first aid guidelines for emergency response. Employees trained in the use of AEDs will follow the guidelines listed below.

Pre-Placement

Training

~~Selected employees will undergo an initial training course approved by the American Red Cross or the American Heart Association in the use of Automated External Defibrillators.~~

~~The AED training course shall be consistent with the American Red Cross and the American Heart Association Heartsaver CPR/AED course and include the following content:~~

- ~~1. The proper use, maintenance, and a periodic inspection of the AED.~~
- ~~2. Assessment of an unconscious person to determine if a cardiac arrest has occurred and the appropriateness of applying the AED.~~
- ~~3. Defibrillator safety precaution to enable the user to administer a shock without jeopardizing the safety of the victim, the user, or other persons on the scene.~~
- ~~4. Rapid accurate assessment of the victim's post-shock status to determine if further activation of the AED is necessary.~~
- ~~5. The role of the rescuer in the coordination of care for the cardiac arrest victim on arrival of EMS personnel.~~
- ~~6. Scenario based practice consistent with common scenarios that rescuers may face.~~
- ~~7. Routine AED maintenance, trouble shooting options, and special situations that the rescuers might encounter.~~

~~Employees will only be held to the standards of the Good Samaritan Act and shall only be expected to use an AED if they have successfully completed the American Red Cross or the American Heart Association Heartsaver AED course and feel confident using the device.~~

~~Employees initially identified to receive training include the following individuals: Administrators, Nurses, Health Assistants, Athletic Trainers and Coaches.~~

~~Additional staff may be trained as identified by Site and District administration. Examples: teachers, custodial staff, noon ground supervisors, etc.~~

Skills review and proficiency demonstrations

~~Trained employees will need to demonstrate proficiency in adult CPR, and the following:~~

- ~~1. Safe and effective use of the AED.~~
- ~~2. Perform in a single or multi shock practical exam conducted by a qualified instructor.~~
- ~~3. Demonstrate common troubleshooting techniques used with the AED.~~

~~Trained employees will maintain proficiency certification through American Red Cross or the American Heart Association Heartsaver AED guidelines.~~

~~Following any use of the AED, the trained employee will go over the AED event data with the Los Angeles County Fire Department for AED-CPR Program review.~~

~~Pre-Event~~

~~Placement of AEDs:—AED placement in William S. Hart Union High School District will be in the following manner as funding permits:~~

- ~~1.—— High School Health Offices (7)~~
- ~~2.—— Junior High Health Offices (6)~~
- ~~3.—— District Office (1)~~

~~Accessibility, Availability, and Security~~

~~During school hours the AED will be housed in a designated location. This specific location shall be specific to each school but should be positioned to allow the device to be visually secured by staff. The position should be such as to allow staff members to retrieve the device outside of normal school hours.~~

~~After school hours, the AED may be moved from its designated location by an AED trained employee to support athletic department activities. A visible sign-out list must be left in the place of the AED with the phone number of the AED trained employee, clearly indicating that they have possession of the AED.~~

~~Contracted and other community activities are not guaranteed access to the AED or trained employee as part of standard rental contracts.~~

~~Routine Maintenance~~

~~The AED will perform a self-diagnostic test every 24 hours that includes a check of battery strength and an evaluation of the internal components.~~

~~During regular workdays, an assigned trained employee will perform an AED check following the procedure checklist. The daily calendar will be initialed at the completion of the daily check. The procedure checklist and calendar will be posted with the AED.~~

~~If the AED is in need of service, remove the AED from service and contact the vendor for maintenance or repair.~~

~~The assigned trained employee will check the AED monthly for the expiration dates on the~~

~~defibrillator pads and batteries. Replacement supplies will be acquired when supply expiration dates have two months remaining. This monthly check will be documented on the AED checklist by initializing and circling the initials on the date the check was performed.~~

~~Event: Standing Orders~~

~~Scene safety~~

~~Rescuer safety is of utmost important. Rescuers are volunteers and are not expected to place themselves at risk in order to provide aid to others. Instead, the scene or environment around a victim must be made safe prior to attempts to assist.~~

~~Verify that the victim is not in contact with any live electrical connections.~~

~~Remove the victim from any exposure to water to a dry surface, whenever possible.~~

~~Recommended response to potential sudden death incidents~~

~~During school site hours:~~

- ~~1. Assess consciousness~~
- ~~2. At any school phone call 911.~~
- ~~3. At any pay phone or cellular phone call 911.~~
- ~~4. At any school phone: Call school administrator and alert them of the emergency. If possible (or if phone access is unavailable) send a runner to the main office.~~
- ~~5. District staff will contact the on site trained employee to notify them of the emergency and the location of the unconscious person by direct contact phone call to their room/cellular phone or over the school paging system.~~
- ~~6. District staff will assign someone to get the AED and take it to the scene.~~
- ~~7. A CPR trained individual or the AED trained employee will begin assessing the emergency by checking consciousness upon arrival at the scene of the emergency, whether or not the AED has arrived.~~
- ~~8. Determine absence of respirations. Tilt head back to open air passageway. (If breathing, place in recovery position and monitor breathing closely.)~~

~~If Not Breathing~~

- ~~1. Initiate resuscitation and continue survey~~

2. ~~Observe universal precautions using gloves and ventilation mask (if available).~~
3. ~~Provide 2 breaths using the ventilation mask.~~
4. ~~Determine absence of pulse. (If pulse is present, but the victim is not breathing, provide rescuer breathing, one every 5 seconds).~~

~~If Pulse is Absent~~

1. ~~Begin chest compressions with continued rescue breathing.~~
2. ~~Turn on and attach the AED as soon as it is available.~~
3. ~~Analyze rhythm (Make sure no one is touching the victim, cables, clothing, or AED)~~
4. ~~If the AED detects a shockable rhythm, it will charge itself.~~
5. ~~Look around to make sure no one is touching the person and call loudly "Stand Clear!"~~
6. ~~Depress the shock button when directed to do so by the AED and after clearing the person.~~
7. ~~Repeat from #1 above. Following delivery of up to 3 shocks, administer CPR for 1 minute and then again repeat from #1 above.~~
8. ~~If a non-shockable rhythm is detected, the AED will direct you to check a pulse and if no pulse to begin CPR.~~
9. ~~Continue with CPR and re-analyze with the AED every 1-2 minutes.~~
10. ~~If the victim should regain a pulse but not breathing, perform rescue breathing.~~
11. ~~If the victim should regain a pulse and breathing, place them on their side, in the recovery position, and monitor pulse and breathing very closely.~~
12. ~~Turn over the care of the Cardiac Arrest Victim upon request by the Fire Department. Once they have arrived, follow the direction of the fire department personnel for further actions.~~

~~During after school events~~

~~During Athletic Trainer covered athletic events~~

1. ~~Assess consciousness~~
2. ~~At any school phone call 911~~

3. ~~At any pay phone or cellular phone call 911.~~
4. ~~Alert the Athletic Staff of the emergency by sending a runner to inform the Athletic Trainer, Athletic Director, or Field/Gym Manager.~~
5. ~~If an AED trained individual is available, CPR and AED procedures should be initiated while awaiting the arrival of the fire department.~~

~~Other School Events (If AED is available)~~

1. ~~Assess consciousness~~
2. ~~At any school phone call 911~~
3. ~~At any pay phone or cellular phone call 911.~~
4. ~~Following the routine procedure, alert the supervising staff member of the emergency.~~
5. ~~If trained, the supervising staff will bring the AED to the scene and CPR should be provided until relieved by the fire department, as training allows.~~
6. ~~If an AED trained individual is available, CPR and AED procedures should be initiated while awaiting the arrival of the fire department.~~
7. ~~Return AED to operational service:~~

~~The trained employee will complete the Post Event Checklist.~~

~~Following the use of an AED the trained employee will replace the single use items stored with the AED as quickly as possible.~~

~~Make sure multiple use items stored with the AED are present:~~

1. ~~Extra battery~~
2. ~~Critical Event Stress Debriefing:~~
3. ~~Site Administrator will arrange an informal stress debriefing.~~

~~Regulation~~ ~~WILLIAM S. HART UNION HIGH SCHOOL DISTRICT~~
~~approved: July 20, 2005~~ ~~Santa Clarita, California~~