

WARTBURG COLLEGE ENVIRONMENTAL AND OCCUPATIONAL SAFETY PROGRAM

Automated External Defibrillator Plan

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General

Allen Memorial Hospital donated an Automatic External Defibrillator (AED) for permanent installation and use at Neumann Auditorium. When events are not scheduled in Neumann Auditorium, the AED may be made available to support other events on Wartburg College's campus. The AED will be stored and maintained in the Campus Security Office. Use of the AED in response to sudden cardiac events will be limited to persons trained in the use of the AED by a nationally recognized training program (i.e., American Heart Association, American Red Cross, etc.).

Ventricular Fibrillation (VF) is the most frequent initial rhythm in sudden cardiac arrest. The treatment of choice for VF is electric countershock. Cardiac arrest survival rates are markedly higher in areas that employ rapid defibrillation. The probability of success diminishes rapidly over a short period of time with survival rates decreasing as much as ten per cent with each passing minute. AEDs are automated in the sense that the AED, and not the operator, determines the presence or absence of a shockable rhythm.

Responsibilities

Director of Campus Security & Safety:

- a. Maintains AED.
- b. Maintains AED Plan.
- c. Serves as liaison between the college, Allen Hospital, and the Iowa Department of Public Health.
- d. Through the personnel assigned to the Campus Security office, responds to cardiac incidents on campus when the AED is not positioned at an event.
- e. Identifies AED qualified people for Neumann Auditorium events when Technical Services can not support.

Director of Health & Wellness Center

- a. Keeps current on laws and regulations pertaining to AED use.
- b. Selects students in Health & Wellness staff for CPR/AED certification.
- c. Trains or arranges for training of designated persons.

Student Union & Conference Coordinator

- a. Schedules events in Neumann Auditorium.
- b. Notifies Director of Campus Security when to place the AED in the designated case in Neumann Auditorium.
- c. Coordinates with the Director of Campus Security to identify AED certified users when Technical Services can not assist.

Technical Services Director.

- a. Insures he and his staff are AED and CPR certified.
- b. Informs the Student Union & Conference Coordinator when an event scheduled in Neumann Auditorium will not have Technical Services support.

Training

Employees and students that may be called to use the AED must be trained and maintain their proficiency in AED and CPR use. Any nationally recognized CPR/AED training program will suffice. Organizations and departments that sponsor or put on performances in Neumann Auditorium should identify personnel for training. Training opportunities may be arranged by contacting either the Director of Campus Security or the Health & Wellness director. After initial training, periodic refresher training will be conducted quarterly or before an event in which they would be responsible for AED use. Campus Security has an in-service video and written training materials for refresher training.

Procedures

- a. Unless requested for a specific event, the AED will be maintained in the Campus Security office. Except for events in Neumann Auditorium, Campus Security staff will be the primary responders for any emergencies requiring an AED.
- b. Daily, Campus Security will perform a maintenance check and annotate the inspection on the LIFEPAK 500 AED Checklist.
- c. Events scheduled in Neumann Auditorium take precedence over other events scheduled on campus. Campus Security will place the AED in the case in Neumann Auditorium and return it to the Campus Security Office when the event is concluded. Technical Services personnel will be the AED responders.
- d. When multiple requests for the device are made for the same time period, and none are scheduled in Neumann Auditorium, the Director of Campus Security will decide which event the AED will be provided.
- e. For events not conducted in Neumann Auditorium, a certified AED administrator will go to the Campus Security Office to receive the AED. He or she will inspect the device to insure it is operable and all accessories are on hand. At the end of the event, the person with custody of the AED will contact Campus Security and coordinate the AEDs return to the Campus Security Office. Campus Security will inspect the AED and confirm it is intact and operable before taking custody.

AED Protocol

- Apply the AED to people that are unresponsive, breathless, and pulseless; greater than 55 pounds and at least 8 years old.
- Call 9-911 and request emergency medical services (EMS) response. Upon their arrival, work as a team.
- Perform cardiopulmonary resuscitation (CPR) until the AED arrives and is ready to be attached.
- Power ON the AED first.
- Attach the pads to the patient's bare chest.
- Analyze.
- Always "Clear" before analysis and shock!
- If the AED indicates "Shock Advised," analyze and shock up to three times. Then, check for pulse.
- If the AED indicates "No Shock Advised," just check for pulse.
- If pulse is absent, do CPR for one minute, check pulse, analyze, repeat shocks as indicated.
- If pulse is present, check breathing. Perform rescue breathing if inadequate. Recovery position if breathing is adequate.
- Two sets of three stacked-shocks are permitted unless the pad service medical director authorizes additional shocks before EMS arrival.
- Once EMS has taken over, pack up the AED and return to Campus Security.
- Provide to Campus Security and to medical authorities a synopsis of what occurred. Campus Security will prepare a report of all incidents requiring AED use.