

# UNIVERSITY OF TOLEDO

SUBJECT: AUTOMATED EXTERNAL DEFIBRILLATOR

Procedure No: S-08-048

## PROCEDURE STATEMENT

An automated external defibrillator (AED) is used to treat victims who experience sudden cardiac arrest (SCA). This policy applies to AED units on campus.

## PURPOSE OF PROCEDURE

To provide access, ensure proper use, maintenance, and training on AED's at the University of Toledo, in the case of sudden cardiac arrest.

## AED DEPLOYMENT SITES

### MAIN CAMPUS

Building	Location	Manufacturer	Model/ ID Number
Campus Police	Dispatch	Physio-Con	LIFEPAK 500/ 0040008
Campus Police	Campus Police Vehicle	Medtronic	LIFEPAK 1000/ 0042635
Campus Police	Campus Police Vehicle	Medtronic	LIFEPAK 1000/ 0042634
Campus Police	Campus Police Vehicle	Medtronic	LIFEPAK 1000/ 0042625
Campus Police	Campus Police Vehicle	Medtronic	LIFEPAK 1000/ 0042636
Campus Police Vehicle	Campus Police Vehicle	Medtronic	LIFEPAK 1000/0042628
Campus Police Vehicle	Campus Police Vehicle	Medtronic	LIFEPAK 1000/0042637
Carlson Library	1 <sup>st</sup> floor information commons, west wall, 1 <sup>st</sup> green pillar from NE entrance	Medtronic	LIFEPAK 1000/0042631
Driscoll Center	2 <sup>nd</sup> floor near elevator	Zoll	AED PLUS/ 0040084
Glass Bowl	Stadium Operations Area	Medtronic	LIFEPAK 1000/0042626
Health & Human Services	1 <sup>st</sup> floor, on east wall around the corner from HH-1248	Medtronic	LIFEPAK 1000/0042622
Health Education	1 <sup>st</sup> floor, west wall between elevator & fire extinguisher cabinet	Medtronic	LIFEPAK 1000/0042624
Larimer Athletic Complex	Outside room 1410-1470 (Mobile Unit)	Medtronic/Biphasic	LIFEPAK 500/ 0042380
Larimer Athletic Complex	Outside of Weight room	Cardiac Science	Powerheart G3/0053682
Law Center	1 <sup>st</sup> floor, west side of the forum between rooms 1006 and 1012	Medtronic	LIFEPAK 1000/0042633
Main Campus Medical Center	Room 1500 (Conference Room on Medication Cart)	Medtronic	LIFEPAK 1000/0049201
Main Campus Medical Center	Pharmacy	Medtronic	LIFEPAK 1000/ 0042621
Nitschke Hall	Main floor across from SW entrance door	Cardiac Science	G3Plus9390A&E/0043958
Recreation Center	Poolside	Agilent	Heartstream FR2 M3860/0042378

<b>Building</b>	<b>Location</b>	<b>Manufacturer</b>	<b>Model/ ID Number</b>
Recreation Center	Main Office	Philips	Heart Start A15D-03777
Recreation Center	Issue Desk	Philips	Heart Start A15D-04141
Recreations Center	Control Desk	Philips	Heart Start
Rocket Hall	Visitors Center	Medtronic	LIFEPAK CR Plus/ 0042257
Savage Arena	Athletic Training, room 1120	Cardiac Science	Power Heart AED G3
Savage Arena	Outside of 1970 (Practice Field)	Cardiac Science	Power Heart AED G3/0043957
Savage Arena	Outside room 1120 (Athletic Training Room)	Medtronic/Biphasic	LIFEPAK 500/ 0042379
Student Union	Outside room 2525	Medtronic	LIFEPAK 1000/0042632
University Hall	3 <sup>rd</sup> floor, to the left of Doermann Theater, next to fire extinguisher cabinet	Medtronic	LIFEPAK 1000/0042629
University Hall	5 <sup>th</sup> floor, on right side of elevator	Medtronic	LIFEPAK 1000/0042630
Wolfe Hall	1 <sup>st</sup> floor, north wall at SE entrance	Medtronic	LIFEPAK 1000/0042627

**SCOTT PARK**

<b>Building</b>	<b>Location</b>	<b>Manufacturer</b>	<b>Model/ ID Number</b>
Findlay Building	Outside of room 1100 (Athletic Training Room)	Medtronic/Biphasic	LIFEPAK 500/ 0042381
Learning Resource Center	Near library, on east wall next to fire alarm pull station.	Medtronic	LIFEPAK 1000/0042623

**PRESIDENT'S HOUSE**

<u>Building</u>	<u>Location</u>	<u>Manufacturer</u>	<u>Model/ID Number</u>
<u>Forestvale Ave</u>	<u>President's House Kitchen</u>	<u>Medtronic</u>	<u>LIFPAK CR Plus/ 0052881</u>

**HEALTH SCIENCE CAMPUS**

<b>Building</b>	<b>Location</b>	<b>Manufacturer</b>	<b>Model/ ID Number</b>
Block Health Science	Lobby	Medtronic	LIFPAK CR Plus/ 0037956
CCE	Lobby	Medtronic	LIFPAK CR Plus/ 0042255
Collier	Behind Greeting Desk	Medtronic	LIFPAK CR Plus/ 0037953
Glendale Medical East	Lobby	Medtronic	LIFPAK CR Plus/ 0050383
Glendale Medical Center	First Floor Hallway	Medtronic	LIFPAK CR Plus/ 0042252
Health Education Building	Lobby (Main)	Medtronic	LIFPAK CR Plus/ 0037959
Health Education Building	Outside HEB 089	Medtronic	LIFPAK 1000/ 0044109
Health Education Building	Lobby (Wolfe Center)	Medtronic	LIFPAK CR Plus/0047496
Kobacker (Adolescent)	Patient Exam Room	Medtronic	LIFPAK CR Plus/0042253
Kobacker (Senior Behavioral Health)	Nurses Station	Medtronic	LIFEPAK CR Plus/0049535
Morse Center	Lobby	Medtronic	LIFPAK CR Plus/ 0042254
Mulford	Library 4 <sup>th</sup> Floor	Medtronic	LIFPAK CR Plus/ 0037955
Ruppert Health Center	Lobby	Medtronic	LIFPAK CR Plus/ 0037960
Dana Center	Lobby	Medtronic	LIFPAK CR Plus/0046350

## LAKE ERIE CENTER

Building	Location	Manufacturer	Model/ ID Number
Lake Erie Center	Hallway	Medtronic	LIFPAK CR Plus/0037954

## PRIMARY CARE CLINICS

Building	Location	Manufacturer	Model/ ID Number
Fallen Timbers Clinic	Nursing Station	Medtronic	LIFEPAK CR Plus/ 0046530
Regency	Rehab Clinic	Zoll	AED Plus/0051889
Regency	UTP	Zoll	AED Plus/0051888
Regency	Radiology	Medtronic	LIFEPAK CR Plus/ 0045528

## GENERAL CONSIDERATIONS

### TRAINING

AEDs are very accurate and easy to use, however, an AED operator must know how to recognize the signs of a sudden cardiac arrest, when to activate the EMS system, and how to do CPR. Early CPR is an integral part of providing lifesaving aid to people suffering sudden cardiac arrest. CPR helps to circulate oxygen-rich blood to the brain. After the AED is attached and delivers a shock, the typical AED will prompt the operator to continue CPR while the device continues to analyze the victim. It's also important for operators to receive formal training on the AED model they will use so that they become familiar with the device and are able to successfully operate it in an emergency. Training also teaches the operator how to avoid potentially hazardous situations.

In the event of an emergency on campus, call X2600 and University of Toledo Police will respond. They are trained in both CPR and AED use. However, those working in the vicinity of an AED on campus are encouraged to attend and maintain training through the American Red Cross or American Heart Association.

In addition to training courses offered by the American Red Cross and American Heart Association, the University of Toledo has several videos available on the LIFEPAK CR PLUS unit deployed on the Health Science Campus as well as a trainer AED to be used during training activities.

**NOTE: The Sports Medicine Staff, in the Athletic Department, will follow the established Emergency Action Plan for Athletic venues by alerting Lucas County EMS at 9-911. University of Toledo Police must also be notified at X2600.**

### USE, INSPECTION AND MAINTENANCE

In the event of an emergency on campus, dial X2600 and University of Toledo Police Officers will respond.

Most units are alarmed and kept in a cabinet. When the door on the cabinet is opened, the unit will produce a local alarm to inform people in the area that the unit has been deployed. The alarm can be deactivated at the alarm deactivation core using the key located inside the cabinet. The alarm will also go off when the door is closed.

All units must be maintained according to the manufacturer's instructions including regular battery checks and equipment replacement (pads). In order to maintain a state of readiness, the AED units will be visually inspected monthly for battery charge.

Contact Technology Support Services, 419-383-4899, if a problem exists. A more thorough inspection will be conducted by Technology Support Services annually and when a problem exists. The annual check will include a battery check and verification of pad expiration dates. AED units must also be serviced immediately after use, and should be dropped off at Technology Support Services on the Health Science Campus.

### **Medtronic LIFEPAK CR PLUS**

The AED unit has a readiness indicator located on the front of the unit. When the readiness indicator reads "OK", the unit is in good condition. If a problem exists the unit will read "CHARGE-PAK", "ATTENTION", or a wrench symbol will appear depending on the type of condition detected.

### **Heartstream FR2 and Heartstart Forerunner**

The AED unit has a readiness indicator located on the front of the unit. When the readiness indicator is a flashing hourglass the battery is in good condition.

### **Zoll AED PLUS**

The AED unit has a readiness indicator located on the front of the unit. When the readiness indicator is a green checkmark the battery is in good condition.

### **OTHER**

If the AED does not have a battery light indicator, the unit is turned on and the battery life is checked.

### **POST INCIDENT FOLLOW-UP**

After an AED unit is used an injury/illness report must be completed. The Director of Environmental Health and Radiation Safety and the University of Toledo Police will follow up on the report to ensure the AED unit used was serviced and determine if the AED procedures were followed.

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