

Presenter Disclosure Information

Cheryl Rickens, RN, BSN
UPMC Prehospital Care
EMS Specialist, AED Program

FINANCIAL DISCLOSURE:
No relevant financial relationship exists

UNLABELED/UNAPPROVED USES
DISCLOSURE: None

*Community-
I have an AED, Now What??*



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I have an AED, Now What??

- **Congratulations** on obtaining an AED
- Now you must:
 - Store it
 - Maintain it
 - Know how to use it
 - Have a plan if use it



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How do I do this?

Best way to do all this is with a Medical Direction Program

- Start with a knowledgeable team
 - **Medical Director**
 - **Program Manager**
- Familiar with current guidelines, laws, resources
- Check with local EMS agency, can pay for this service with AED manufacturer or other related businesses

U.S. FDA Approved AED Manufactures



- Cardiac Science
- Defibtech
- HeartSine Technologies
- Philips Healthcare
- Physio-Control
- Zoll Medical Corporation



Storing an AED

- Cabinet
 - Wall mounted, semi-recessed, fully recessed
 - With or without alarm
 - Audio only or audio & strobe light
 - Requires batteries
 - Connected to security or 911
 - Requires phone line installation & probably a monthly service fee
 - Usually used for central locations, public areas
 - Such as main lobby, security/information desk, malls

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Storing an AED

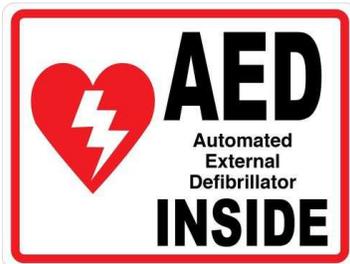
- Wall bracket
- Wall hook
 - Both used for more secure locations
 - Such as nurses station, desk with attendant, secured office



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Signage for an AED

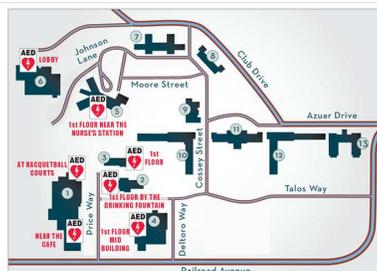
- Signage
- Location maps



Campus AED Locations

LEGEND

- | | |
|--|--|
| 1 - Lander Hall, GSOE | 5 - Wilderman Hall: Student Services, MPH & PA Programs & Administration |
| 2 - Administration/College of Osteopathic Medicine | 6 - Farragut Inn: Admissions & Food Service |
| 3 - Administration/College of Pharmacy | 7-13 - Unoccupied Buildings |
| 4 - Library | |



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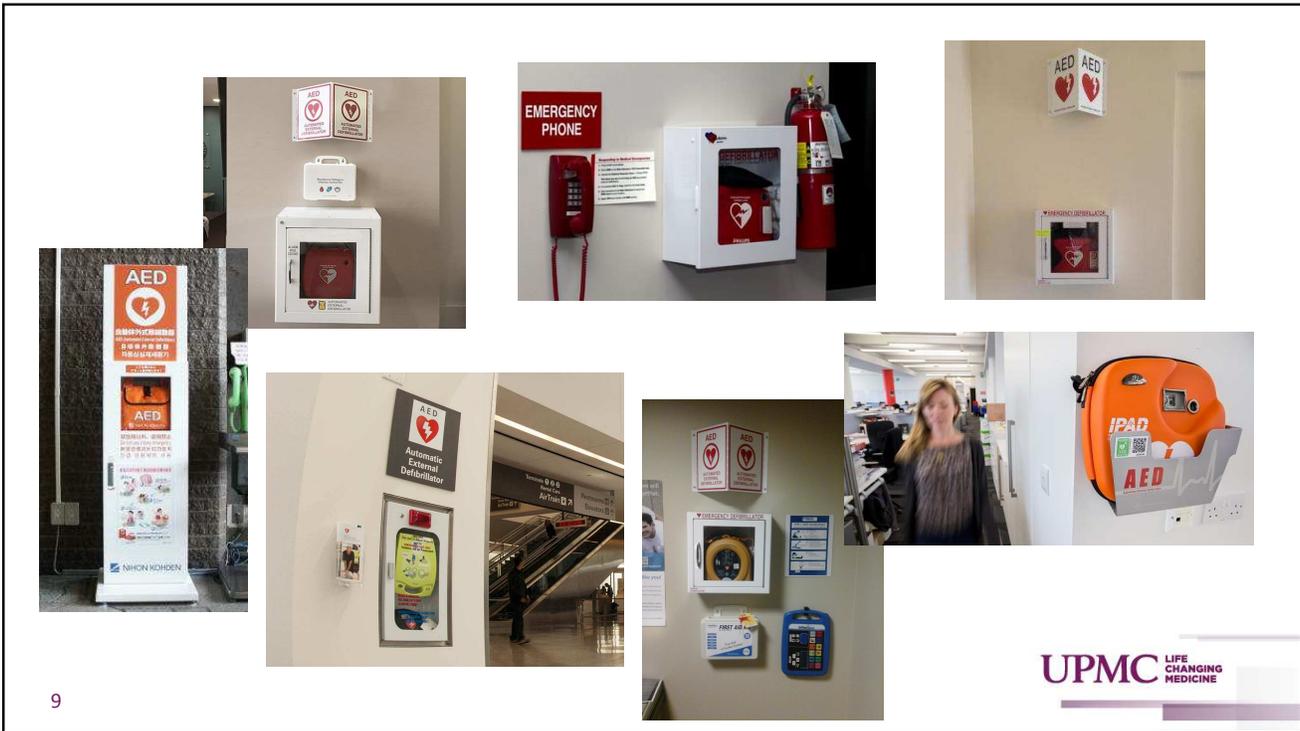
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Placement of the AED

- ADA requirements
 - Requirements on location, height, distance protrudes from wall, height to reach handle to open cabinet
- Near a phone to call 911
- Walk test
 - AHA recommendation 3 minutes
- Location of stairs and elevators
- Locking doors, key or access code entrances
- Consider areas of large congregation and/or physical exertion
- Cannot be in locked location, needs to be publicly accessible

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Maintaining an AED

- Register the AED with the manufacturer
 - May extend the warranty
 - Get notification of alerts, recalls
- Read the user's manual
- Manufacturer recommended maintenance checks
 - Monthly inspection, protects the warranty
- Will usually have a maintenance log included
 - Or you can make your own



Defibrillator monthly check list

	Jan	Feb	Mar	Apr	May	Jun
Visual check of device - no visible damage or missing parts						
Battery check						
Pads in date and sealed						
Spare pads in date and sealed						
Accessories equipment present and in date (Check user manual for details)						
Storage cabinet secure						
Signed / initialled						



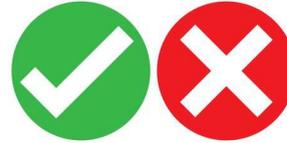
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Maintaining an AED

- Readiness Indicator

- Daily self checks
- Such as internal circuitry, battery life, pads connection
- Could also have pads integrity, monthly mini self shock test



- What looking for if passes?



- What looking for (& hearing) if fails?



- Depends on make and model of the AED

Maintaining an AED

START-UP

- AED
- Battery
- Adult pads x2
 - Attached & spare
- Carry case



- Prep kit

- Medical scissors
- Razor
- Towel
- Gloves
- Barrier device
- Biohazard bag



- Optional

- Pediatric (infant/child) mode



Maintaining an AED

On-Going

- Pads
- Battery
- Pads-battery pack



- Warranty extension

After use AED

- Pads
- Battery
- Pads-battery pack
- Prep kit
- Inspect & clean AED

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AED Training

- Any nationally recognized organization
 - AHA, Red Cross, National Safety Council
- What is required by your state, organization, work place
- A guideline, 10 people or 10% of staff
- Best success with those who want to be trained
- But mandatory training may be required
- Floor wardens, safety officers, ushers, medical staff

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AED Training

- Remember:

- Out of Hospital Cardiac Arrest
 - Early CPR & Early Defibrillation can make a difference
- **CPR**
 - Goal is high-quality CPR = chest compressions
 - Depth – Rate – Recoil
- **AED**
 - Apply the AED as soon as it arrives



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What if use the AED?

Obtain information from AED

- Get the ECG reading
 - Regardless if shock delivered or not
- Need to have program loaded onto laptop or computer
 - Free download from manufacturer website or pay for the program
 - Software program pay for may have other advanced features such as capability to review CPR sequence and quality, annotation
- Other accessories
 - Connecting cable, data card and reader, infrared, USB drive, WiFi connection



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What if use the AED?

What else needs done?

- Complete a report detailing event
 - For site records
 - Specifics of event, victim information, responders, EMS agency
 - Where protocols followed, all equipment functional and with AED
 - For hospital care
 - Plan of care based on rhythm
 - If patient is receiving an AICD, insurance copy may require a copy of the AED report



Debrief

- What went well?
- Does anything need changed?
- Need for training refresher?
- How is everyone coping after the event?

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Good Luck!

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Resources

- American Heart Association
 - Website
 - Highlights of the 2015 AHA Guidelines Update for CPR and ECC
- Circulation
 - AHA Statistical Update, Heart Disease and Stroke Statistics-2016 Update
- Field, J.M., et al. (2009) *The Textbook of Emergency Cardiovascular Care and CPR*. Philadelphia, PA: Lippincott.

THANK YOU!

Cheryl Rickens Email: rickensc@upmc.edu Office: 412-647-5938