

# **Initial Life Support for Sudden Cardiac Arrest**

2020 ILCOR/AHA Guidelines

### Assessment - CPR

### **Scene Safety**

- Look for hazards/personal dangers
- Obtain and use appropriate personal protection equipment

### **Assess**

- Responsiveness (Are they alert, can they speak?)
- Airway (open and /or clear)
- Check for severe bleeding

### **Call for Help**

- o If alone call 911 and retrieve the AED, if available
- o If second rescuer is available, have them call 911 and retrieve the AED

### **Check Breathing**

- Look for normal breathing
- If no breathing, start CPR

# Adult CPR

## **Provide Chest Compressions**

If no breathing, locate hand position on chest:

# Place heel of one hand in center of the chest

- Deliver 30 compressions
  - Push hard (compress chest at least 2 inches)
  - Push fast (approximately 100-120 compressions per minute)

### Allow chest to rise after each compression

#### Open Airway

After 30 compressions, open airway using head tilt/chin lift

# **Provide Breathing, Alternating with Compressions**

- Apply face shield/pocket mask
- Provide 2 normal breaths (1 second each)
- Ensure that chest rises and falls with each breath
- Continue to alternate 30 compressions with 2 breaths

#### **Continue CPR Until**

- Victim is moving and/or making sounds
- You are relieved by another person who can provide CPR
- Your own safety is in danger
- You are completely exhausted
- AED is on scene and ready to be attached

## **AED**

## **Upon Arrival of the AED**

- Open AED case (if necessary)
- Turn power on
- Follow voice/visual AED prompts
- Prepare chest (removing clothing from patient's chest, shave or dry if needed)

#### **Attach Electrode Pads**

- Unpack electrodes
- Attach pads to patient's chest
- Stay clear of patient

# **Follow Voice and Visual Prompts**

- Ensure that no one is in contact with the patient
- Press flashing shock button if AED instructs you to do so
- o Initiate CPR immediately when AED instructs you to do so

## If the Patient Begins Breathing, Moving or Making Verbal Sounds

- Maintain open airway using head tilt/chin lift
- Assist with breathing if necessary
- o Leave pads attached and AED turned on

# AED - Responder

#### **Pre-Planning**

- Know the locations of all AED's
- Review the site specific response plan
- Download EUAlert!™ and use for drills
- Learn the contents of the Redi-Kits in back of AED

#### Drills

- Use responder card
- Designate a team leader (different leader each scenario)
- Designate a CPR and AED provider

#### After the Drill

- Go over the drill with the instructor (good points/points of improvement)
- Reset the room and equipment for next scenario