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# Sudden *Cardiac* Arrest (SCA) in the Federal Workplace



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## Changes in CPR / AED Guidelines 2006

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**FOH** Federal Occupational Health

a component of the U.S. Public Health Service   Program Support Center   Department of Health and Human Services

# UPDATE



**NEW GUIDELINES**

**AED  
SOFTWARE**

**CPR**



# FOH AED PROGRAM



- ▶ Follow Site Specific protocol
- ▶ Designed to provide response and prevent errors

# AED Machine Update



- ▶ Manufacturer specific
- ▶ EXAMPLE - No loaners (not FOH)
- ▶ 2 week window???
- ▶ Always follow AED instructions
- ▶ Use new guidelines after machine update

# FOH AED Program

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## *GUIDELINE CHANGES*

**The “source authority” for information provided in this document is 2005 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care; *Circulation*, 2005; 112:IV-206-IV-211; © 2005 American Heart Association.**



## *GUIDELINE CHANGES*

**Use the head tilt-chin lift maneuver to open a patient's airway, regardless if he / she is injured.**

# FOH AED Program

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## *GUIDELINE CHANGES*

**Take a normal breath prior to giving a rescue ventilation.**

# FOH AED Program

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## *GUIDELINE CHANGES*

**For all ages, give ventilations that are approximately 1 second in length.**

# FOH AED Program

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## *GUIDELINE CHANGES*

**If normal breathing is not present in an adult, give two ventilations and start CPR, beginning with compressions**

# FOH AED Program

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## *GUIDELINE CHANGES*

**Rescue ventilations without chest compressions will no longer be recommended to be taught to the lay rescuer in coming to the assistance of an adult patient.**



## *GUIDELINE CHANGES*

**Use one or two hands, centered on the chest at about the nipple line, to provide chest compressions on a child.**



## *GUIDELINE CHANGES*

**Use two fingers, just below the nipple line, to provide chest compressions on an infant.**



## *GUIDELINE CHANGES*

**During CPR, use a 30:2 compression to ventilation ratio for all ages.**

# FOH AED Program



## *GUIDELINE CHANGES*

**When other responders are available, rotate the compressor role about every two minutes to prevent compressor fatigue. Switch quickly (less than five seconds) to minimize interruption of compressions. Do not reassess.**

# FOH AED Program



## *GUIDELINE CHANGES*

**When alone and caring for a child or infant found unresponsive and not breathing, provide approximately 2 minutes of CPR (5 cycles of 30 compressions:2 breaths) prior to activating EMS and getting an AED.**



## *GUIDELINE CHANGES*

**Once started, continue CPR until an AED is attached, the patient moves or until another CPR or EMS responder takes over your care.**



## *GUIDELINE CHANGES*

**If directed by the AED, deliver a single shock, followed immediately by 5 cycles or approximately 2 minutes of CPR.**

# FOH AED Program



## ▶ QUESTIONS