

Subject: CPR and AED Changes

To All:

FYI - From Lab Safety Supply's Safe-T-News at www.labsafety.com.

Gary

AED Update

Sudden cardiac arrest is still a leading killer in the United States. In its continuing efforts to decrease mortality rates, the American Heart Association made changes in 2005 to the cardio-pulmonary resuscitation (CPR) standard. The changes consist of faster, harder, and more chest compressions with fewer breaks for mouth-to-mouth breathing. The new ratio is 30 compressions to 2 breaths at a rate of 100 compressions per minute. The other option is 200 compressions for two minutes without pausing for breaths if the airway can be kept open to allow for passive breathing—compressions will draw air into the chest if the airway can be kept open by maintaining the same tilt of the head required for mouth-to-mouth breathing.

These changes to the CPR standard also affect the use of automatic external defibrillators (AEDs) that were on the market and purchased before October 15, 2006. Most importantly, the design of these older AED units was based on the old CPR standard, prompting three shocks followed by one minute of CPR and then repeating. The new CPR standard and new AED software prompt one shock followed by two minutes of CPR and then reanalysis.

Click here for more [information on these changes to the CPR standard and their affect on the use of automatic external defibrillators \(AEDs\)](http://www.labsafety.com/refinfo/saftnews07/stn254online.htm?CID=7EA118#article1). (<http://www.labsafety.com/refinfo/saftnews07/stn254online.htm?CID=7EA118#article1>)

Click here for a [list of upgradeable AED units](http://bxiiq.wordpress.com/2007/04/03/aed-update-availability/).(<http://bxiiq.wordpress.com/2007/04/03/aed-update-availability/>)

Click here for a [summary of AEDs and their operation](http://www.labsafety.com/refinfo/ezfacts/ezf271.htm?CID=7EA118).(<http://www.labsafety.com/refinfo/ezfacts/ezf271.htm?CID=7EA118>)

Click here for a [PowerHeart® AED](http://www.labsafety.com/store/Safety_Supplies/First_Aid/AEDs_Automatic_External_Defibr/53582/?CID=7EA118). (http://www.labsafety.com/store/Safety_Supplies/First_Aid/AEDs_Automatic_External_Defibr/53582/?CID=7EA118)

Click here for AED [information from the American Heart Association](http://www.americanheart.org/presenter.jhtml?identifier=3025962). (<http://www.americanheart.org/presenter.jhtml?identifier=3025962>)

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