

**ZOLL AED 3™**

**ZOLL®**



*Even Better Support  
For Rescuers*



## Beyond the AED Plus

In 2002, ZOLL® launched the AED Plus® defibrillator with Real CPR Help® real-time CPR Feedback to let rescuers know, for the first time ever, when they are doing high-quality CPR. Today more than half a million AED Plus automated external defibrillators (AEDs) are empowering rescuers around the world with the best support when treating a victim of cardiac arrest.

Introducing a new defibrillation platform from ZOLL that builds on our reputation for providing rescuers with unmatched support plus a low total cost of ownership: the ZOLL AED 3™ defibrillator.

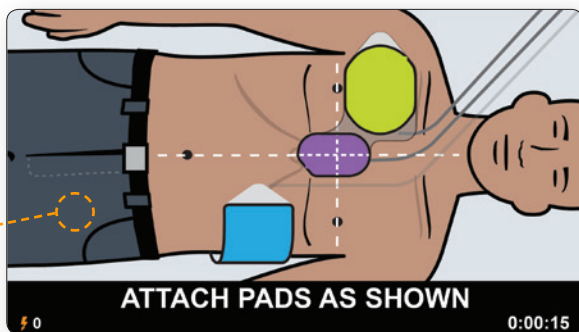
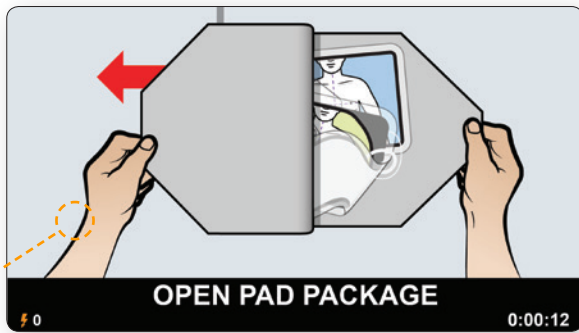


## WiFi-enabled Program Management Onboard

Lives are not saved by AEDs alone. People save lives using an AED, and saving lives requires confident rescuers using an AED that has a working battery and pads that have not expired.

Real CPR Help instills confidence by guiding rescuers' compressions to the right rate and depth. Program Management Onboard™ instills further confidence by ensuring your AED is ready to go when needed. Register your ZOLL AED 3 online with ZOLL's PlusTrac™ AED Program Management System via computer or mobile device. Then easily link your ZOLL AED 3 to your local WiFi. Now that your ZOLL AED 3 is cloud-connected, Program Management Onboard regularly reports current status to PlusTrac as part of every automatic self-test.

If your ZOLL AED 3 ever detects a failure, or even fails to report on time, PlusTrac lets you know immediately via e-mail. AED users can now experience continuous worry-free AED readiness in a single solution. No need for people to inspect and report status. Only with the ZOLL AED 3, there is no extra hardware or software purchase required.



Clear, colorful graphic images combine with audio prompts to step you easily and precisely through the rescue.



Log in to PlusTrac for current AED status, including expiry dates for the battery and pads, tracking the training of your rescuers and scheduling e-mail reports that are sent on a regular basis.



High-quality CPR improves survival from cardiac arrest.....  
ensuring chest compressions of adequate rate and depth.

– 2015 AHA Guidelines, pg. S415



## CPR Required

The latest Guidelines from resuscitation councils worldwide are clear: successful defibrillation must be supported with high-quality CPR. The AED's first heart analysis is critical. If it calls for no shock, only high-quality CPR can lead to a shockable rhythm on the next heart analysis. If the first analysis does call for a shock, once it's delivered, the stunned heart desperately needs blood as it tries to reorganize and regain its natural beat. Only high-quality CPR can supply a struggling heart with the oxygenated blood needed to restore a normal rhythm.

*"Monitoring of CPR quality is arguably one of the most significant advances in resuscitation practice in the past 20 years and one that should be incorporated into every resuscitation."*

– AHA CPR Quality Consensus Statement.  
*Circulation. 2013;128; pg. 420.*

## Knowledge Is Power

But what is high-quality CPR? The current resuscitation Guidelines call for chest compressions at a rate of 100 to 120 per minute at a depth of 2 to 2.5 inches (5 to 6cm). So how can rescuers know when they are in compliance? They should not have to guess. They should know, and that knowledge may well give them the power to save a life.

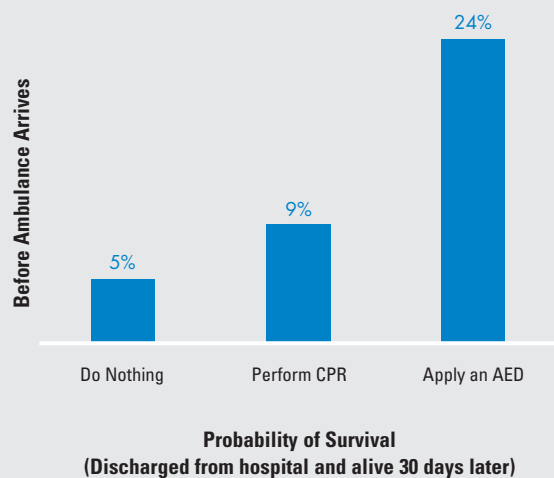
Only an AED that provides real-time CPR feedback for rate and depth of compressions can deliver the best support to save a life.

The CPR hand-placement landmark senses your chest compressions and lets the ZOLL AED 3 see the depth of each compression.

# THE CASE FOR AEDS

## Survival Increases with Early Intervention

Research shows that the probability of survival goes up dramatically when CPR is performed and when an AED is applied before an ambulance arrives.<sup>1</sup>



## Where Is the AED?

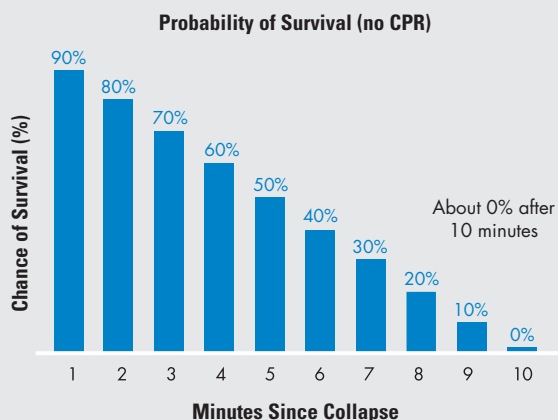
Too often, the answer is, "We don't have one." Sadly, the same research that demonstrated a nearly fivefold increase in survivability (from 5% to 24%) when an AED is used, also showed that an AED is available only 2% of the time.

<sup>1</sup>Weisfeldt ML, et al. *J Am Coll Cardiol.* 2010;55(16):1713–20.

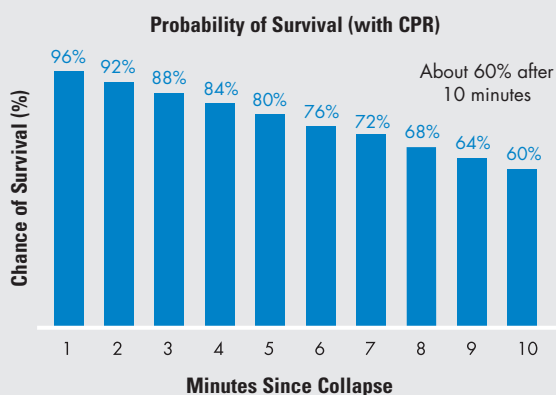
# THE CASE FOR CPR

## Quality Buys Time

The AHA's latest Guidelines note that if bystanders do nothing for a collapsed victim, the chance of survival drops about 10% every minute.<sup>2</sup>



But if bystanders can immediately begin CPR and keep it up, the chance of survival only drops 3% to 4% per minute.<sup>2</sup> At that rate, approximately 10 minutes after collapse, the chance of survival remains at about 60%.



<sup>2</sup>AHA Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science. *Circulation*. 2010;122:S706

## Professional Technology for Everyone

Like the AED Plus that preceded it, and all of ZOLL's professional defibrillators, the ZOLL AED 3 is equipped with Real CPR Help technology to help lay rescuers perform high-quality CPR. The sensor in the pads lets the AED see your chest compressions so it can guide you to the proper rate and depth with prompts and an on-screen bar gauge.

## How It Works

- The CPR Uni-padz™ Electrodes sense and report the motion of rescuers' chest compressions to the ZOLL AED 3.
- During an adult rescue, audio and text prompts let rescuers know when to "Push harder" and when they are doing "Good compressions."
- The compression depth bar gauge shows rescuers the depth of each compression in real time.
- The metronome detects compressions and encourages rescuers to compress at a rate of at least 100 compressions per minute.

## Sooner Is Better

At 8 seconds with a fresh battery, the ZOLL AED 3 is among the fastest at delivering a shock after chest compressions stop.\* Research shows that minimizing time to shock after the CPR cycle ends may improve survival.<sup>4</sup> The Current resuscitation Guidelines note, "The delay between stopping chest compressions and delivery of the shock (the pre-shock pause) must be kept to an absolute minimum; [any] delay will reduce the chances of the shock being successful."<sup>5</sup>

<sup>4</sup>Snyder DE, et al. *Crit Care Med*. 2004;32(9) Supplement:S421-S424.  
<sup>5</sup>AHA Guidelines for Resuscitation 2015. Resuscitation. 2015;Page S420





Research has shown ZOLL defibrillators equipped with Real CPR Help - providing real-time feedback for depth and rate of chest compressions – more than doubled the chance of survival from cardiac arrest!

– Bobrow B, et al. Annals of Emergency Medicine. July 2013;62(1):47-56.31





## Leading Technology. Reasonable Cost.

Once installed, the ZOLL AED 3 defibrillator costs significantly less than almost any other AED to maintain. Because the CPR Uni-padz can defibrillate both children and adults, there are no special pads to buy and regularly replace to be ready to rescue a child. And because the CPR Uni-padz and the battery both last five years, replacing disposables is easier and less expensive over time. Longer lasting, fewer replacements, lower costs.

No other AED's pediatric pads last 5 years. No other AED only requires you to replace pads and battery only once in the first 10 years of service.



## Ready for Tomorrow

The AED 3 is easy to use, easy to maintain and reliable because it has the latest technology onboard.

- You can reconfigure it, upgrade software to the latest Guidelines, and download event data files easily using the interactive touchscreen and onboard USB port.
- Orient it the way you need it in a rescue: lay it flat like most AEDs, or stand it upright for the same easy viewing available in most professional defibrillators.
- Use it in two successive rescues and retain both event data files for later download.
- Activate multiple languages.
- Rely on its ruggedness. The ZOLL AED 3 passes the one-meter drop test and has an IP55 rating for dust and water ingress.
- Choose which shock technology is right for your rescuers: the standard ZOLL AED 3 Semiautomatic model for rescuers who want to control shock delivery, or the ZOLL AED 3 *Automatic* model for automatic shock delivery after a three-second countdown.



The ZOLL AED 3 *Automatic* delivers the shock automatically after a three-second countdown. No need to push the Shock button.



The ZOLL AED 3 battery lasts up to 5 years, regularly reports its status to Program Management Onboard and can be easily assessed from the touchscreen in Management Mode.



Pre-connected CPR Uni-padz are ready for rescue with simple pull tabs and a pair of scissors for fast electrode placement.



Plug a memory stick into the USB port to download rescue event data, upload a new configuration or upgrade software.



**FROM** PlusTrac Support

22.4.15

PlusTrac: AED Passed test...

Inbox





## Heard from Your AED Lately?

Every AED Program Manager lives with the fear an AED may not be ready when needed. The battery may lack power. Pads might be expired. Electronic components might fail. Did my AED pass the last self-test?

Can you ever know an AED is ready to rescue?

Until now, having someone regularly check and report the status of every AED has been the typical solution. The ZOLL AED 3 redefines how you manage your AED with ZOLL's exclusive Program Management Onboard.

## The Cloud Changes Everything

Program Managers can now use their local WiFi network to remain permanently cloud-connected to the ZOLL PlusTrac AED Program Management System. If your ZOLL AED 3 ever fails a self-test, it will let you know immediately by email.

Let the ZOLL AED 3 do all the worrying, while you enjoy worry-free readiness.



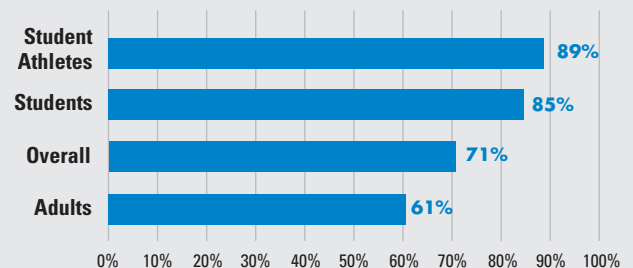
Configure the ZOLL AED 3 to link with PlusTrac in the cloud after every automatic self-test. Get an immediate email for a failed or overdue self-test, along with daily or weekly status reports.

# THE CASE FOR PROGRAM MANAGEMENT

## AED Programs Pay Off

The *British Journal of Sports Medicine* published an article showing that U.S. high schools that have implemented AED Programs for rescue readiness experience an overall survival rate of 71%.<sup>6</sup>

Survival Rates for 2,045 U.S. High Schools over a Two-year Period



The authors conclude that "High school AED Programs demonstrate a high survival rate for students and adults who suffer sudden cardiac arrest on school campus. School-based AED Programs are strongly encouraged."

<sup>6</sup>Drezner JA, et al. *Br J Sports Med.* 2013;47:1179-1183.



## Even Better Support During a Rescue

The ZOLL AED 3 takes the best support for rescuers during a rescue to the next level with:

- Real CPR Help that can see your chest compressions during CPR to let you know when you're doing high-quality CPR.
- Shock delivery 8 seconds after stopping CPR for a more effective shock.\*
- Constant metronome at a rate of at least 100 compressions per minute to comply with the latest Guidelines.
- Universal CPR Uni-padz for push-button selection of Child rescue using the Child button on the front of the ZOLL AED 3.
- Scissors attached to CPR Uni-padz for easy removal of clothing.
- Dual orientation (upright or flat) for the best visibility in a rescue.
- On-screen CPR cycle countdown timer to let you know time remaining in this cycle.
- On-screen display of elapsed rescue time and number of shocks delivered for critical information that EMS personnel will need to know on arrival.
- Rescue accessory pack containing non-latex gloves, barrier mask, razor, paper towel and towelette.
- High-resolution full-color graphic images and text accompany all audio prompts for easy understanding of what to do next.

\*On the ZOLL AED 3 *automatic*, the pre-shock pause time is 5 seconds longer due to warning to stand clear of patient and shock countdown before delivery.

**ADVANCING RESUSCITATION. TODAY.®**

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ZOLL AED 3 is not available for sale in the United States. The product has not received regulatory approval by the Food and Drug Administration.

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For subsidiary addresses and fax numbers, as well as other global locations, please go to [www.zoll.com/contacts](http://www.zoll.com/contacts).

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