

# ARE YOU WITHIN SECONDS OF AN AUTOMATIC EXTERNAL DEFIBRILLATOR (AED)?

Sudden Cardiac Arrest is the leading cause of sudden death in Australia, ahead of prostate cancer, bowel cancer, breast cancer and road deaths. Over 30,000 people die from Sudden Cardiac Arrest every single year and 75% of these occur outside of the hospital setting. A significant proportion of these fatalities occur in the workplace.

## SIX FACTS EVERY SAFETY OFFICER OR SITE MANAGER SHOULD KNOW:

①

It is recommended AED's are located **WITHIN 3 MINUTES** of a patient.



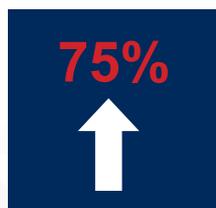
②

Many Australian work sites **DO NOT HAVE ENOUGH AED's IN REACH OF STAFF** – especially those on larger work sites.



③

If you are experiencing sudden cardiac arrest and you receive a shock from an AED within 3 minutes your **SURVIVAL RATE INCREASES TO 75%**.



④

Following a sudden cardiac arrest your survival rate **DECREASES BY 10% EACH MINUTE**.



⑤

Most AED's are portable and **CAN BE PLACED IN VEHICLES**. Our LifePak & Heartsine AED's have the highest protection against dust, water and high/low temperatures.



⑥

**AED's ARE EXTREMELY EASY TO USE.** WorkSafe Victoria states that anyone with access to an AED can safely step in to handle a cardiac arrest crisis.

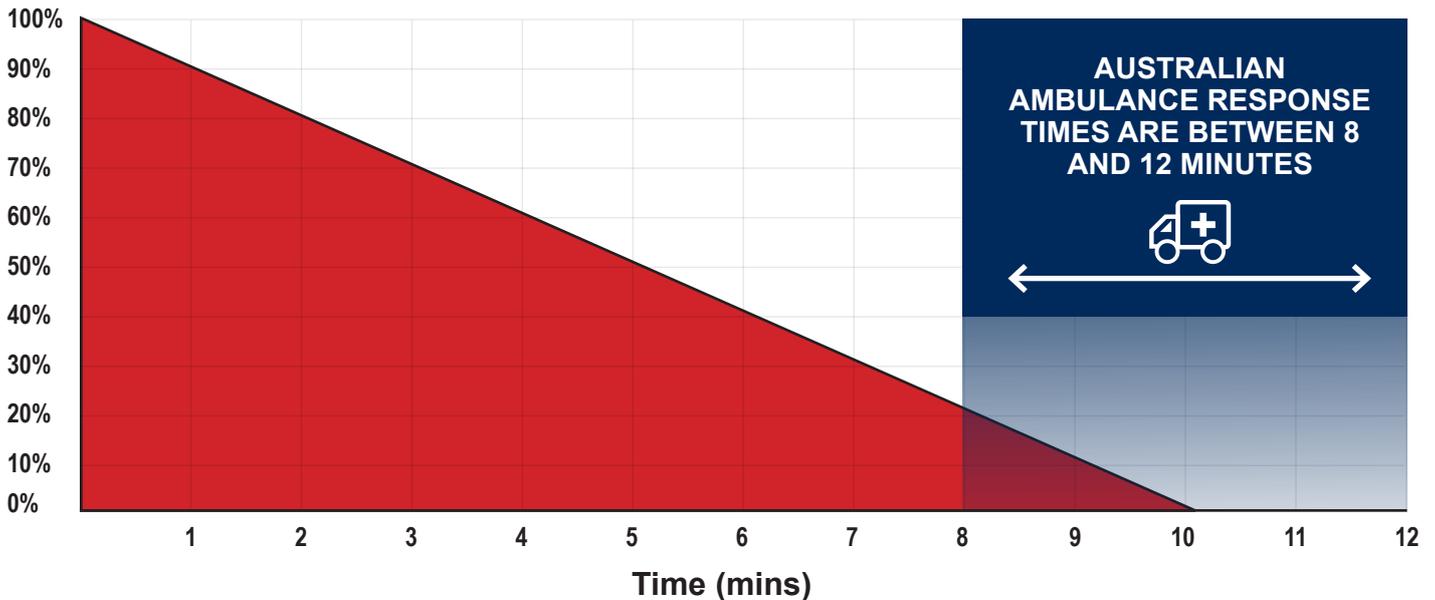


# ABOUT CARDIAC ARREST AUSTRALIA'S NUMBER ONE KILLER

**Sudden cardiac arrest can happen to anyone - anywhere.** Cardiac arrest is a sudden loss of blood flow resulting from the failure of the heart to effectively pump. It kills 30,000 Australians each year, making it our nation's biggest killer. Surviving one in Australia is estimated to be 10%, or 25% if there's a bystander.

Over a third of these deaths happen with no warning. With every minute dropping their chance of survival by 10%. The average ambulance response times in Australia, whilst exceptional on a global scale, is between 8 - 12 minutes. Often not fast enough to deliver a lifesaving shock.

## Survival Rate (%)



## THE ANSWER

Very few people survive a cardiac arrest without swift assistance and the use of an AED might be the difference between life and death.

AEDs can bring victims back to life by restarting the heart of the person in cardiac arrest. If one is placed on a victim within in 3 minutes survival rates increase to above 75%. The biggest problem is there are not enough of them at work and in the community.

“WorkSafe’s guidelines state that, anyone with access to an automated external defibrillator (AED) can safely step in to handle a cardiac arrest crisis, knowing they cannot cause greater harm to the patient but may save their life.”

The article offers the following tips for installing an AED in the workplace:

- Locate AEDs in well known, visible and accessible locations.
- Ensure AEDs are properly set up and ready to use.
- Do not keep AEDs locked away.
- Register AEDs with Ambulance Victoria (or other relevant local body) to enhance ease of access.
- Demonstrate the use of AEDs to staff so they know how simple the process is.
- Undertake routine maintenance checks.

# HOW THE EASY TO USE DEVICES WORK

Death from cardiac arrest will happen within minutes if a person is not treated and cardiopulmonary resuscitation (CPR) and defibrillation are proven methods to restart a heart that stopped.

Anyone can use an AED. They don't need specialised training, but do need access to one to save a life. The latest AEDs use clear voice prompts and pictures to guide the operator on where to place pads, how to use the device, when to stop, and even when to restart CPR.

Today's AEDs are easily portable and used in emergency situations when a person goes into cardiac arrest. They are simple to use and self-operating. Similar to a GPS system, an AED is self-directing and will give you verbal step-by-step instructions; providing life-saving medical treatment to a work colleague that has only minutes before permanent damage or death occurs is what the AED was designed for.

## INDUSTRY-LEADING TECHNOLOGY. REAL-WORLD SOLUTIONS

Whether it's a small office, large corporation or large mining or industrial facility, we have an AED solution that can be tailored to your specific needs. Our knowledgeable staff are ready to work with you to create and support an AED program from the broadest range of products on the market, so you can get exactly what you need for the health and safety of your students, staff and the public.



## HEARTSINE AEDs

Designed specifically for the lay responder, HeartSine samaritan AEDs offer industry-leading value and environmental protection, all in an easy-to-operate system in the smallest and lightest package available. HeartSine AEDs offer:

1. Clinically validated technology. Escalating, low-energy waveform technology automatically adjusts for differences in patient impedance to optimize energy delivery if necessary.
2. Simple to maintain. Each HeartSine defibrillator uses the innovative Pad-Pak, an integrated battery and electrode cartridge which offers one maintenance change every four years.
3. Fully integrated CPR solutions. All HeartSine AEDs include advanced CPR coaching that reassures the user and optimises hands on time.



### samaritan® PAD 350P Semi-Automatic Automated External Defibrillator

Designed for simplicity, the compact and lightweight HeartSine samaritan PAD 350P Connected AED offers Wi-Fi connectivity to help ensure AED readiness.



### samaritan® PAD 360P Fully Automatic Automated External Defibrillator

Designed for simplicity, the simple to use, fully automatic HeartSine samaritan PAD 360P Connected AED offers Wi-Fi connectivity to help ensure AED readiness.



### samaritan® PAD 500P Semi-Automatic Automated External Defibrillator

More than a simple Automated External Defibrillator (AED), the HeartSine Samaritan PAD 500P with integrated CPR Advisor not only can deliver a lifesaving shock, it provides real-time visual and verbal feedback to the rescuer on the force and rate of CPR compressions during an SCA resuscitation.

# LIFEPAK AEDs

LIFEPAK AEDs combine full-energy dosing ranges and exceptional ease of use to set the standard in emergency care for professionals and public access customers. The LIFEPAK CR2 defibrillators are designed for indoor and outdoor use in a stationery environment. These semi and fully automatic units evaluate the heart rhythm once electrode pads have been applied and, if a shockable rhythm is detected, delivers a shock.

LIFEPAK defibrillators offer:

**cprCOACH Feedback Technology:** The defibrillator provides CPR coaching at appropriate times during the cardiac arrest response. A metronome provides tones at the correct rate for chest compressions. The defibrillator also detects whether chest compressions are being performed and adjusts the voice prompts.

**ClearVoice Technology:** Adaptive volume control automatically adjusts the volume of audio instructions depending on surrounding noise level such as noisy shopping centres, highways and emergency room.

**Child Mode:** Child mode can be accessed by pressing the CHILD MODE button. It will then deliver lower energy levels that are appropriate for young children without having to change electrodes. Child mode also adjusts CPR coaching to be appropriate for young children.

**WiFi or Cellular Connection:** Lifepak CR2 AED's are able to connect to a LIFELINKcentral™ AED Program Manager or LIFENET® System account using an internet connection. The device uses either Wi-Fi®, cellular, or USB to connect.

## Lifepak CR2 Automatic



## Lifepak CR2 Semi-Automatic



The CR2 is easy to use and the only AED that allows CPR compressions during heart rhythm analysis. The LIFELINKcentral™ AED Program Manager monitors each AED every single day, sending alerts via cellular network or Wi-Fi® about anything that may affect a unit's readiness—all automatically.

After the electrode pads are applied, the fully automatic model evaluates the heart rhythm and, if a shockable rhythm is detected, delivers a shock without any responder assistance. The semi-automatic model evaluates the heart rhythm but requires the responder to press the shock button if a shockable rhythm is detected. Both models have voice instructions that guide the responder through the event.

# LIFEPAK 1000 DEFIBRILLATORS

The rugged LIFEPAK 1000 defibrillators are easy-to-use automated external defibrillators (AED's) from the leader in defibrillation technology. They are also a defibrillator powerful and adaptable enough for professional responders, featuring advanced capabilities that can help improve lifesaving outcomes and speed the transition of cardiac patients to the next critical level of care. Safety features include cprMAX Technology to minimise CPR interruptions by allowing compressions to continue during AED charging, a CPR countdown timer and shock counter.

**Lifepak 1000 Defibrillator  
(without ECG display)**



**Lifepak 1000 Defibrillator  
(ECG display manual override)**



Lifepak and Heartsine AED's meet the recommendations of the Australian Resuscitation Council/ANZCOR guidelines.

Visit our website to see the full range or call your Bunzl Safety branch for an AED plan and to understand which AED is right for your workplace.



For Safe  
Working Lives.

**1800 967 573**  
[www.bunzlsafety.com.au](http://www.bunzlsafety.com.au)