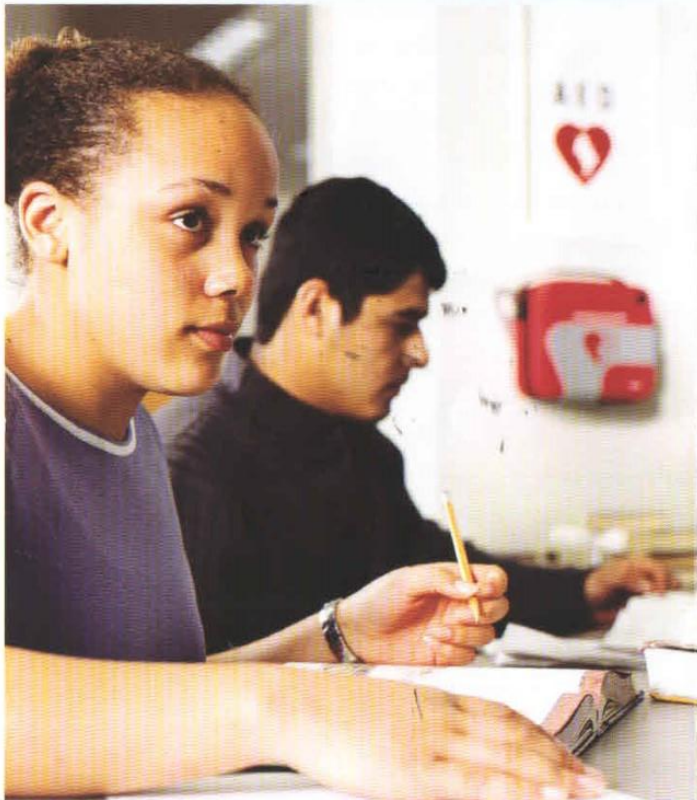


Sudden cardiac arrest
can happen to anyone
at any time, anywhere.

When sudden cardiac arrest (SCA) strikes, the electrical system of the heart short circuits, causing the heart to quiver rather than pump in a normal rhythm. It typically results in the abnormal heart rhythm known as ventricular fibrillation (VF). It usually happens without warning and the majority of people have no previously recognized symptoms of heart disease.



Philips

— Leading the Way

Philips is the market leader in innovative defibrillation technology.* Offering the most complete and trusted solution in resuscitation products, Philips helps responders treat SCA quickly and effectively wherever it occurs.

* Frost & Sullivan

HEARTSTART
DEFIBRILLATORS

www.medical.philips.com/heartstart

Safety Matters
4141 State Street, Ste. A3.1
Santa Barbara, CA 93110
805-705-9222
www.CPRtrainingsb.com

HEARTSTART
DEFIBRILLATORS

Power to
save a life



PHILIPS

PHILIPS

A shock from a defibrillator is the only effective way to restart a heart

For the best chance of survival from SCA caused by VF, a defibrillator should be used within five minutes. Yet, less than 1 in 20 people survive largely because a defibrillator does not arrive in time.

SUDDEN CARDIAC ARREST FACTS:

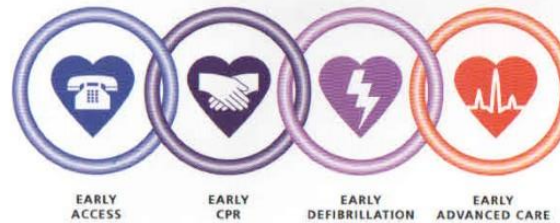
- SCA is one of the leading causes of death in the United States striking more than 340,000 victims each year.
- More people die from SCA than from breast cancer, prostate cancer, house fires, hand guns, traffic accidents and AIDS combined.^{1,2}
- The current national survival rate for SCA is less than 5%.⁴
- The likelihood of successful resuscitation decreases by about 10% with every minute that passes.⁵

Early defibrillation is key to SCA survival. In fact, according to the American Heart Association, an additional 40,000 lives could be saved each year in the U.S. alone with widespread access to defibrillators.

That's why Philips HeartStart Defibrillators have been installed in workplaces, schools, airlines, airports, health clubs, public buildings and throughout communities so that anyone can potentially save a life from SCA.

¹ National Center for Health Statistics. National Vital Statistics Report, Hyattsville, Maryland: Public Health Services, 2000; 49(11).
² FEMA/United States Fire Administration. A Profile of Fire in the United States. Twelfth edition, 1989-1998.
³ American Heart Association. 2004 Heart and Stroke Statistical Update. Dallas, Texas, American Heart Association, 2004.
⁴ Ibid.
⁵ Ibid.

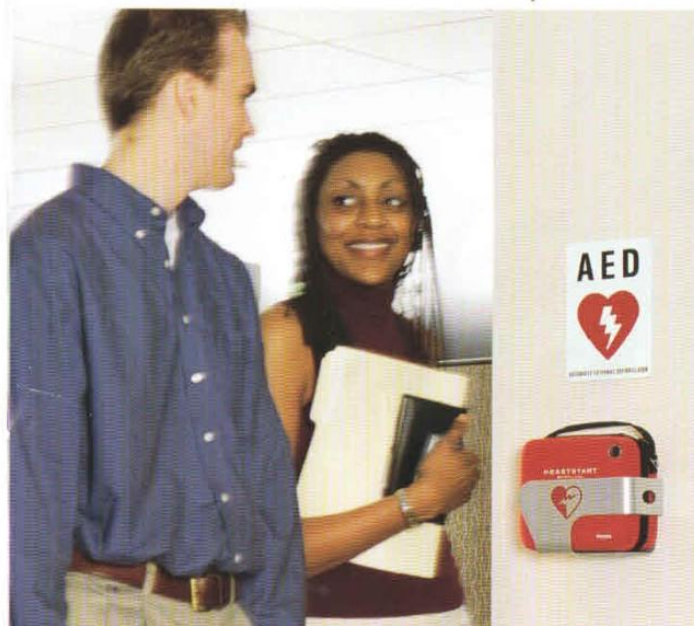
Defibrillation. Part of the Chain of Survival



For the best opportunity for survival, each of the four links of the Chain of Survival must be put into motion within the first few minutes of SCA onset:

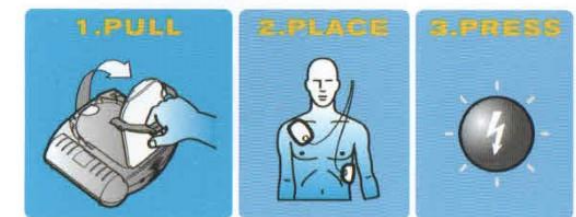
- **Early Access to Emergency Care.** Call 911.
- **Early CPR.** Start CPR and continue until EMS arrives.
- **Early Defibrillation.** An operator should use an automated external defibrillator as quickly as possible until EMS arrives.
- **Early Advanced Care.** The final link, administered as needed by EMS personnel.

When each link in the chain works successfully, the chance of surviving SCA increases greatly.



Using the HeartStart OnSite Defibrillator

Simply pull the green handle to power-up the defibrillator and activate voice instructions, including a verbal reminder to call emergency medical services (EMS). When instructed, pressing the blue "i" button activates CPR Coaching for assistance with CPR. Instructions are paced to your actions, helping guide you through the entire process, from placing pads on the patient to delivering a defibrillation shock.



HeartStart OnSite determines if a heart rhythm is shockable.

- If a shock is indicated, the defibrillator directs you to press the flashing orange "Shock" button. Then HeartStart OnSite delivers a dose of low-energy biphasic therapy, a highly-effective defibrillation waveform that is also gentle to the heart.
- If a shock is not indicated, the OnSite Defibrillator instructs you to assess the patient and to perform CPR if necessary. While performing CPR, the defibrillator's voice instructions can be activated to coach you on the frequency and depth of compressions.

The HeartStart OnSite can be used on patients of any age, including infants and children. OnSite senses when the special infant/child SMART Pads Cartridge is installed. It automatically adjusts to use a lower energy level more appropriate for infants and children, and also provides coaching for performing infant/child CPR.

