

# let's **talk** safety

The Health & Safety Institute (HSI) delivers a suite of products and services to help businesses, emergency services and individuals improve safety, health and compliance through scalable, technology-powered solutions to fit any organization.



## train

Emergency Care  
Teaching and Training

## act

Workplace Training  
and Compliance Tools

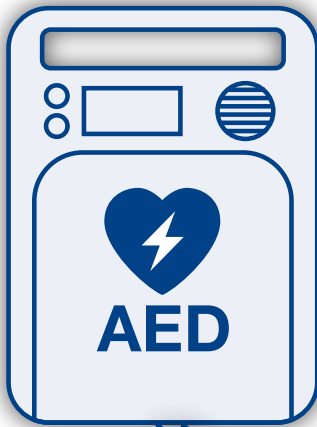
## learn

Continuing Education  
for EMS Professionals

## know

Chemical Compliance  
and Management Services

## How Does it Work?



A shock from an AED stuns the heart momentarily, stopping all activity, giving the heart a chance to restart normal electrical activity and resume beating effectively



For every minute that defibrillation is delayed, survival decreases by 7% to 10%. If it is delayed by more than 10 minutes, the chance of survival in adults is less than 5%



Cardiac arrest victims who received a shock from a publicly-available AED administered by a bystander prior to the arrival of EMS had:

**1**

A 66.5% chance of survival and discharge from the hospital

**2**

2.62 times higher odds of survival compared to victims who first received an AED shock after the arrival of EMS

**3**

57% had near normal function and better outcomes



Learn to Use an  
**AED**  
Save a Life



Without a bystander using AED shock therapy,

**70%**

of cardiac arrest patients either died or survived with impaired brain function



AMERICAN SAFETY & HEALTH INSTITUTE | MEDIC First Aid

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### Sources

[http://www.suddencardiacarrest.org/aws/SCAA/pt/sd/news\\_article/43774/\\_PARENT/layout\\_details/false](http://www.suddencardiacarrest.org/aws/SCAA/pt/sd/news_article/43774/_PARENT/layout_details/false)  
<https://newsroom.heart.org/news/cardiac-arrest-survival-greatly-increases-when-bystanders-use-an-automated-external-defibrillator>