

let's **talk** safety

Often in cases of cardiac arrest, a bystander is on the scene ahead of EMS. When that occurs, a properly trained layperson could be the difference between life and death. Health & Safety Institute (HSI) helps make the workplace and community safer with a robust portfolio of emergency care and environmental, health, and safety solutions.

train

Emergency Care Teaching and Training

act

Workplace Training and Compliance Tools

learn

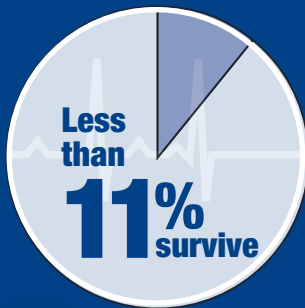
Continuing Education for EMS Professionals

know

Chemical Compliance and Management Services



Nearly 90% of out-of-hospital cardiac arrests are fatal



CPR: REPORTED INITIAL AND RENEWAL TRAINING

65% of respondents received CPR training in the past 

Only **18%** have current training 

SUDDEN CARDIAC ARREST IS NOT THE SAME AS A HEART ATTACK

Sudden cardiac arrest occurs when electrical impulses in the heart become rapid or chaotic, which causes the heart to suddenly stop beating.

A heart attack occurs when the blood supply to part of the heart muscle is blocked. A heart attack may cause cardiac arrest.

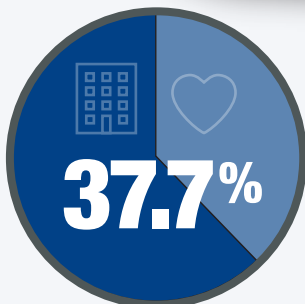
CPR and AED can TRIPLE SURVIVAL

Effective bystander CPR and defibrillation provided immediately after sudden cardiac arrest can double or triple a victim's chance of survival

Layperson-initiated emergency care bystander response
with CPR = **39.2%**
with AED = **7.3%**



More than **366,000** fatal out-of-hospital sudden cardiac arrests occur annually



of out-of-hospital **CARDIAC ARRESTS** were witnessed by a layperson



of cardiac arrests take place at home

AMERICAN SAFETY & HEALTH INSTITUTE

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EMS SAFETY

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Source:

Heart Disease and Stroke Statistics—2020 update: a Report from the American Heart Association. *Circulation*. 2020;141:e000–e000. doi: 10.1161/CIR.0000000000000757

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