

American Heart Association International

CARDIAC ARREST

Cardiovascular disease (CVD) is the leading cause of death worldwide. In 2020, approximately

19.1 million

deaths were attributed to CVD

32 % of global deaths.^{1,2}

For nearly 100 years, the American Heart Association has been leading the fight against heart disease and stroke.

In the last 10 years, we've expanded our reach to over **100 countries**, working with organizations around the world to help change policies, implement programs, and strengthen healthcare systems to help improve and save lives.

We believe that where you live should not limit your health or the quality of your life.

The difference between life and death

Globally, the incidence of

OUT-OF-HOSPITAL CARDIAC ARREST affects more than

3.8 million people, with a SURVIVAL RANGE of 8 to 12%3

CPR can **DOUBLE** or **TRIPLE** a person's **chance of survival.**⁴

A study of 10 countries showed a 119% increase IN OUT-OF-HOSPITAL CARDIAC ARREST during the pandemic compared with earlier periods. 85% of events RESULTED IN DEATH, compared to 62% in previous years.

The American Heart Association has been at the **forefront of advances in resuscitation science** since the 1960s when we first funded research showing the efficacy of cardiopulmonary resuscitation (CPR) in saving people from cardiac arrest.

As the science of CPR evolves, we have a tremendous opportunity to **improve CPR performance** during resuscitation events both inside and outside the hospital.

Through better measurement, training, and systemsimprovement processes of CPR quality, we can have
a significant impact on survival from cardiac
arrest and eliminate the gap between current and optimal outcomes.

Our Approach

Life's Simple 7.

Through groundbreaking science and programs focused on governments, healthcare providers, hospital and pre-hospital systems, workplaces and communities, the AHA's approach — in coordination with local heart health advocates, societies and government leaders — strives to improve survival from cardiac arrest around the world.



TREATMENT (**REIMAGINING OUR SCIENCE** STANDARDS/QUALITY With an even greater emphasis on discovery, Healthcare quality standards data and dissemination of breakthrough and training programs information through clinical guidelines, to improve patient care, like collaborative science sessions, and best Healthcare Certification practice knowledge sharing Get With The Guidelines® and treatment. Emergency Cardiovascular Care, Helping Children Survive and Professional **KNOWLEDGE SHARING** Education. Guidelines, science sessions and best practice programs share knowledge and standardize treatment **PREVENTION** recommendations for Messaging and governments, and programs that help workplaces and healthcare systems. communities improve their health and prevent death and disability from cardiovascular disease, like **ADVOCACY** Go Red for Women®, and Global advocacy for healthier hearts and brains among

governments, civil society, and intergovernmental and public health organizations like the United Nations, World Economic

Forum and World Health Organization



Reimagining our Science

Together with Laerdal Medical, we established Resuscitation Quality Improvement Partners (RQIP), which uses an innovative CPR training approach with low-dose, high frequency quarterly simulation training sessions to improve skills retention.



We helped fund THE DISCOVERY OF THE FIRST EXTERNAL **DEFIBRILLATOR** used in 1956 to successfully return a guivering heart back to a steady rhythm for the first time in humans.



IN 1961.

AHA-funded researchers show how

CPR CAN SAVE LIVES AFTER CARDIAC ARREST.



We're one of LARGEST FUNDERS for CVD RESEARCH

We've dedicated more than

to CVD AND RESEARCH since 1949.

of **EVERY DOLLAR** contributed GOES TO RESEARCH.

Who We Work With

- All Institute for Medical Sciences
- Australian and New Zealand Committee on Resuscitation
- European Resuscitation Council
- Heart and Stroke Foundation of Canada
- Inter American Heart Foundation
- International Liaison Committee on Resuscitation (ILCOR)
- Irish Heart Foundation
- Resuscitation Council of Asia
- Resuscitation Councils of Southern Africa
- World Health Organization

Knowledge sharing



As a founding member of International Liaison Committee on Resuscitation, we convene with leading healthcare professionals and scientists around the world to promote, share and advocate for the international implementation of evidence-based resuscitation and first aid.

Held in conjunction with our annual Scientific Sessions Conference, Resuscitation Science Symposium showcases new resuscitation research and advances.

Treatment, Standards and Quality

Our science-based CPR & First Aid Guidelines are the standard used by healthcare and emergency professionals around the world.

Since 2015, we've trained nearly

22 MILLION **PEOPLE IN CPR, FIRST AID AND EMERGENCY CARDIOVASCULAR CARE.**

Our network of more than 69 thousand instructors helps save lives through resuscitation and First Aid training at more than 4,000 centers and sites around the world.

Advocacy

We work with city and national government agencies around the world to ensure students are trained in CPR and we advocate for public placement of automated external defibrillators.



Prevention

In 2008 we updated our CPR guidelines and released a scientific statement supporting the use of **chest compressions only** (without rescue breaths) for bystander CPR; we named this updated technique "HANDS-ONLY CPR."

2019

Guinness for training World Record

the most people in **CPR** in 8 hours

training more than

28.5 THOUSAND

2021

World **Book of**

for training the **highest** number of Records students in

a single day, more than

28.8 THOUSAND

The Cat Sheet on Cardiovascular Disease" World Health Organization, https://www.who.int/news-room/fact-sheets/detail/cardiovascular-diseases-(cvds). Accessed 28 Feb. 2022.

Brooks S, Clegg G, Bray J, Deakin C, Perkins G, Ringh M, Smith C, Link M, Merchant R, Pezo-M, Parr M, Morrison L, Wang T, Koster R, Ong M Optimizing Outcomes After Out-of-Hospital Cardiac Arrest With Innovative Approaches to Public-Access Defibrillation: A Scientific Statement From the International Liaison Committee on Resuscitation. doi: 10.1161/CIR.0000000000001013 4Ritter G, Wolfe RA, Goldstein S, Landis R, Vasu M, Acheson A, Leighton R, Vander Brug Medendrop S The effect of bystander CPR on survival of out-of-hospital cardiac arrest victims American Heart Journal 110:5 November 1985, Pages 932-937