

# CPR Month

#CPRwithHeart

## Middle East and North Africa CPR Month Toolkit 1–31 October

Previously held in March, CPR Month has moved to October in alignment with World Restart a Heart Day on 16 October.

This document contains available resources that can be used for planned activities throughout CPR Month.

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## CPR Month

October is CPR Month in the Middle East and North Africa. Previously held in March, CPR Month has moved to October in alignment with World Restart a Heart Day on 16 October. Globally, cardiac arrest claims more lives than colorectal cancer, breast cancer, prostate cancer, influenza, pneumonia, auto accidents, HIV, firearms and house fires combined. About 90 percent of people who experience cardiac arrest outside of a hospital will die. If you are called on to give CPR in an emergency, you will most likely be trying to save the life of someone you know or love.

### Key Messages

- Learning CPR will help save lives.
- CPR, especially if performed immediately, could double or triple a person's chance of survival from cardiac arrest.
- About 70% - or nearly 3 out of 4 - cardiac arrests that happen outside a hospital happen at home.
- Women are less likely to receive CPR partly because people fear accusations of inappropriate touching, sexual assault, or injuring the person.
- Hands-Only CPR is a technique that the American Heart Association recommends to increase the likelihood of people performing CPR in an emergency.
- The two steps of Hands-Only CPR are to call emergency services and push hard and fast in the center of the chest. Use a familiar song to help you keep up the pace of 100-120 beats per minute.
- By equipping people with Hands-Only CPR training, they learn how simple the technique is and there is a comfort level that will help them overcome concerns that cause hesitation to act in an emergency.
- If you're called on to do CPR, you will likely be saving the life of someone you love.

### Call to Action

- Take the CPR Challenge.
- When seconds matter most, CPR can be the difference in whether your friends and family survive. But not everyone knows how to perform CPR. We are challenging every household or family to have at least one person who knows Hands-Only CPR. You can watch a 90-second [Hands-Only CPR instructional video](#) and share it. Even better, watch it with your friends and family so you all learn together.

# HANDS-ONLY CPR



## 2 STEPS TO SAVE A LIFE



1  
Call your local  
emergency  
response number.



2  
Push hard & fast in  
the center of the chest  
until help arrives.

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**JOIN US TO LEARN HANDS-ONLY CPR**

TO LEARN MORE:

- watch our [60-second instructional video in English](#).
- watch our [60-second instructional video in Arabic](#).
- visit [international.heart.org/hands-only-cpr](https://international.heart.org/hands-only-cpr).



# ***JOIN US TO LEARN***



**#CPRwithHeart**

In a cardiac arrest seconds count. Quick CPR by someone near the person can double or triple a person's chance of survival. Please join us to learn how to save a life with an American Heart Association CPR & First Aid Course.

To learn more, watch our [60-second instructional video in English.](#)

To learn more, watch our [60-second instructional video in Arabic.](#)



# ***JOIN US TO LEARN HANDS-ONLY CPR***



**#CPRwithHeart**

In a cardiac arrest seconds count. Quick CPR by someone near the person experiencing cardiac arrest could double or triple their chance of survival. Please join us to learn how to save a life with an American Heart Association CPR & First Aid Course.

To learn more, visit: [\*\*international.heart.org/hands-only-cpr.\*\*](https://international.heart.org/hands-only-cpr)

# October is CPR Month in the Middle East and North Africa region



Seconds count in a cardiac arrest. If you see a teen or adult suddenly collapse, immediate CPR from someone on the scene can double or even triple their chance of survival.

Would you know what to do if you saw someone suddenly collapse?

Don't be afraid. Your actions can only help. Learn how to save a life today.

## TRAINING OPTIONS AVAILABLE

### Take a Heartsaver® or Family and Friends CPR® course



Contact your American Heart Association  
Training Center for more information:

### Attend a Hands-Only CPR Awareness Event



Join us for a Hands-Only CPR  
awareness event near you:

To learn more, visit: [international.heart.org/hands-only-cpr](https://international.heart.org/hands-only-cpr)



# BUILDING A COMMUNITY OF **LIFESAVERS**

جمعية القلب الأمريكية الشرق الأوسط وشمال أفريقيا  
AMERICAN HEART ASSOCIATION MIDDLE EAST AND NORTH AFRICA





# CARDIAC ARREST VS. HEART ATTACK

People often use these terms interchangeably, but they are not the same.

## WHAT IS CARDIAC ARREST?

In a **CARDIAC ARREST** the heart suddenly stops beating. This is usually caused by an electrical problem that makes the heart beat irregularly.

When the heart stops pumping, it can't send blood to the brain, lungs and other vital organs.

### WHAT HAPPENS

Someone having a cardiac arrest may become unresponsive. They may stop breathing or only gasp for air.

If they don't get help right away, they can die.

### WHAT TO DO



If someone has cardiac arrest, doing CPR right away can double or triple their chances of survival.

1. **First, call your local emergency response number.**
2. **Then start CPR.** If there's an automated external defibrillator (AED) nearby, use it as soon as you can.

If two people are helping, one should start CPR. The other should call the local emergency response number and find the AED.

**Every minute counts.** The odds for survival drop by 10% each minute without help. Emergency staff can also help revive someone whose heart has stopped.

For more information on American Heart Association CPR, including training classes in your area, go to [international.heart.org/en/hands-only-cpr](https://international.heart.org/en/hands-only-cpr).

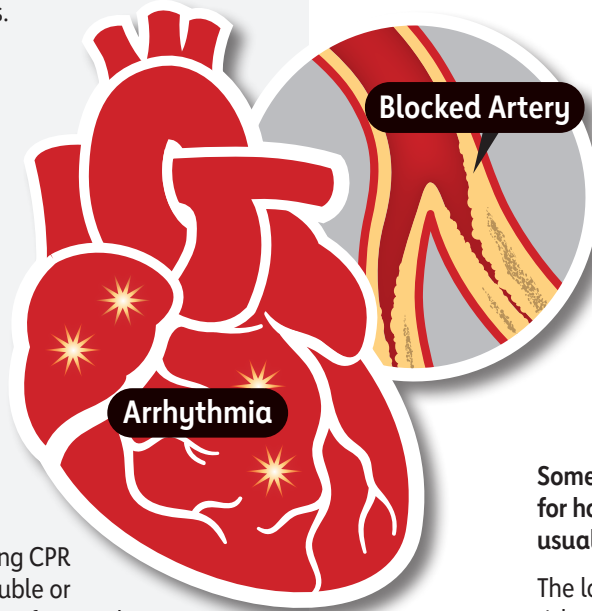
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## WHAT IS A HEART ATTACK?

In a **HEART ATTACK**, blood can't get to part of the heart because a key blood vessel is blocked.

If this circulation problem isn't cleared quickly, the part of the heart that isn't getting enough blood can start to die.



### WHAT HAPPENS

Heart attack symptoms can be sudden. They may include:

- Severe chest pain
- Discomfort in other parts of the upper body
- Shortness of breath
- Cold sweats
- Feeling sick to the stomach

Sometimes, symptoms start slowly and last for hours or days. Unlike cardiac arrest, the heart usually keeps beating during a heart attack.

The longer it takes to get help, the greater the risk to the heart.



Anyone can have a heart attack. In women, people with diabetes and older adults, symptoms might not be obvious. For example, they might not include chest pain.

### WHAT IS THE LINK?

Most heart attacks don't lead to cardiac arrest. But a heart attack is a common cause when cardiac arrest does happen.

Other problems can also cause the heart to stop beating.

### WHAT TO DO



Even if you're not sure it's a heart attack, call your local emergency number. Every minute matters!

It's best to call your local emergency number to get to the emergency room right away.

Emergency medical services (EMS) staff can begin treatment when they arrive. Patients with chest pain who arrive by ambulance usually receive faster treatment at the hospital, too.





The American Heart Association wants to make sure everyone knows CPR. To make sure you are ready when it matters most. Learn CPR today so you can be ready.

## HANDS-ONLY CPR VS. CPR WITH BREATHS

### HANDS-ONLY CPR



**CALL YOUR LOCAL EMERGENCY RESPONSE NUMBER.**



**PUSH HARD AND FAST IN THE CENTER OF THE CHEST**

Public awareness campaign to get more people to act when they come across a cardiac arrest. Starting point to get more people to learn CPR.

**Will not meet requirements if you need CPR for your job.**

### CPR TRAINING



**COMPRESSIONS + BREATHS**

Offered through online or in-person classes. Provides more in-depth training with an instructor, including CPR with breaths and choking relief.

**Often necessary for people who need CPR training for work.**

## HOW DOES IT WORK?

**Chest compressions** are good for the first few minutes someone is in cardiac arrest. Pushing the remaining oxygen through the body helps keep vital organs alive. It buys time until someone with more skills can help.

**CPR with breaths combines chest compressions and breaths.** This provides more oxygen to circulate throughout the body.

## WHO CAN I USE IT ON?

### Adults and teens

For children and infants, the American Heart Association recommends CPR with breaths.

### Anyone who is in cardiac arrest, including:

- Adults and teens
- Infants and children
- Pregnant women
- Victims of drowning, drug overdose, collapse due to breathing problems or prolonged cardiac arrest

## HOW DO I LEARN?

Watch our [60-second instructional video](#) to learn the two steps to Hands-Only CPR.

Go to [international.heart.org/en/hands-only-cpr](https://international.heart.org/en/hands-only-cpr) so you can be ready.



American  
Heart  
Association.

To learn more, visit  
[international.heart.org/  
hands-only-cpr](https://international.heart.org/hands-only-cpr)  
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# Every Second Counts in Cardiac Arrest

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# Every Second Counts in Cardiac Arrest

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#CPRwithHeart



# Every Second Counts in Cardiac Arrest

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**Learn the two simple steps:**

**1**

Call your local  
emergency  
response  
number



**2**

Push  
hard & fast



**#CPR  
with  
Heart**



**#CPRwithHeart**

# Hands-Only CPR



## TWO STEPS TO SAVE A LIFE

1

Call your local  
emergency  
response number



2

Push hard & fast in  
the center of the chest



#CPRwithHeart

Watch our 60-second instructional video to  
learn the two steps to Hands-Only CPR.

# Are You Prepared?



## Learn the two simple steps of Hands-Only CPR:

1

Call your local  
emergency  
response number



2

Push hard  
& fast



#CPRwithHeart

Watch our **60-second instructional video** to  
learn the two steps to Hands-Only CPR.



## ♥ Why Learn CPR?

Cardiac arrest is a leading cause of death. It happens when an electrical problem in the heart causes an irregular heartbeat. This disrupts blood flow to the brain, lungs and other organs. **Research has shown that each year, per 100,000 people worldwide, between 30 and about 97 individuals have an EMS-treated out-of-hospital cardiac arrest.**

**When a person has a cardiac arrest, survival depends on receiving CPR from someone nearby right away.**

According to the American Heart Association, about 90% of people who have out-of-hospital cardiac arrests do not survive. CPR, especially if performed right away, can double or triple the chance of survival. Learn CPR today. Be ready.

No one should face a life-changing moment alone.

## ♥ Be the Difference for Someone You Love

If you provide CPR, you will likely be trying to save the life of someone you love: a child, a spouse, a parent or a friend.




About **70 percent** of out-of-hospital cardiac arrests happen in homes.




**Fewer than 40%** of people who have an out-of-hospital cardiac arrest get the urgent help they need before professional help arrives

**For adults, Hands-Only CPR has been shown to be as effective in the first few minutes as CPR with breaths for cardiac arrest at home, at work or in public.**

**Hands-Only CPR has two easy steps, done in this order:**

**1**  Call your local emergency response number if you see a teen or adult suddenly collapse.



**2**  Push hard and fast in the center of the chest to the beat of a song that has 100 to 120 beats per minute.

**Breathing problems often cause cardiac arrest in children. This is why it's important to give two rescue breaths with each set of 30 compressions for infants and children.**

## ♥ Call Your Local Emergency Response Number

The dispatcher on the call can help you while getting the medical help you need on the way.

## ♥ Music Can Save Lives

While performing CPR, you should push on the chest at a rate of 100 to 120 compressions per minute. Songs that may help you stay on beat include, *Stayin' Alive* by the Bee Gees, *Crazy in Love* by Beyoncé, *Hips Don't Lie* by Shakira or *Walk the Line* by Johnny Cash.

**Learn CPR today. Be ready.  
No one should face a life-changing moment alone.**

NOTE: The AHA still recommends CPR with compressions and breaths for infants and children and victims of drowning, drug overdose, or people who collapse due to breathing problems.



**Be Ready. Find a CPR class at [international.heart.org/en/hands-only-cpr](https://international.heart.org/en/hands-only-cpr).**

# Hands-Only CPR



## CPR Playlist

The songs on this list are between 100–120 beats per minute, the same rate at which you should perform compressions when administering CPR.

## Two Steps to Save a Life

- 1** Call your local emergency response number if you see a teen or adult suddenly collapse.



- 2** Push hard and fast in the center of the chest to the beat of a familiar song that has 100 to 120 beats per minute.



**Stayin' Alive**  
Bee Gees

**Adventure of a Lifetime**  
Coldplay

**Can't Stop the Feeling**  
Justin Timberlake

**One Dance**  
Drake, Wizkid, Kyla

**Call Me Maybe**  
Carly Rae Jepsen

**Just Dance**  
Lady Gaga, Colby O'Donis

**Poker Face**  
Lady Gaga

**Uptown Funk**  
Mark Ronson, Bruno Mars

**Wannabe**  
Spice Girls

**All Star**  
Smash Mouth

**Best Day of My Life**  
American Authors

**Brand New Day**  
Sting

**Billie Jean**  
Michael Jackson

**Just a Girl**  
No Doubt

**Bye Bye Bye**  
\*NSYNC

**More Than A Feeling**  
Boston

**Eye of the Tiger**  
Survivor

**Grenade**  
Bruno Mars

**This Is How We Do It**  
Montell Jordan, Wino

**Ring of Fire**  
Johnny Cash

**Rolling in the Deep**  
Adele

**Take a Chance on Me**  
ABBA

**Ice Ice Baby**  
Vanilla Ice

**Jump**  
Kris Kross

**Rhythm Nation**  
Janet Jackson

**Whenever, Wherever**  
Shakira

**Getting' Jiggy Wit It**  
Will Smith

**Get Outta My Dreams,  
Get Into My Car**  
Billy Ocean

**I Wanna Dance  
with Somebody  
(Who Loves Me)**  
Whitney Houston



**#CPRwithHeart**

Watch our **60-second instructional video** to learn the two steps to Hands-Only CPR.



# MENA October CPR Month Participants List and Survey

ITC/Site Name: \_\_\_\_\_

Activity Location: \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_

## Survey Questions and Sample Format

You may ask the participant the following questions and fill in the answers to the questions in the table below:

Q1: Did you know about CPR before?

Q2: Has any member of your family or friends experienced a cardiac arrest?

Q3: What is the number to call if there is an emergency? (If they answer correctly then put Yes.)

Q4: Are you interested to do more in-depth training? (Facilitator kindly share with the participants other AHA programs that you offer.)

Q5: *For Facilitator: Please request a testimonial or feedback on the training that we can use to help promote more CPR training in the region.*

No.	Name	Age	Email	Contact No.	Which Training Completed Hands-Only CPR / CPR Anytime Kit Family & Friends CPR / Other	Q1	Q2	Q3	Q4
1									
2									
3									
4									

Insert participant feedback, comments, suggestions or testimonials in this section (if available).

Upon completion, please send the lists along with photos to [Middle.East@heart.org](mailto:Middle.East@heart.org).

## Hands-Only CPR Frequently Asked Questions

**Q: What is the Hands-Only CPR messaging based on?**

**A:** The American Heart Association works with some of the world's leading CPR scientists and medical professionals. Their continuous review of published research studies on CPR resulted in the following American Heart Association Science Advisory, published in April 2008 in the medical journal *Circulation*: **"Hands-Only (Compression-Only) Cardiopulmonary Resuscitation: A Call to Action for Bystander Response to Adults Who Experience Out-of-Hospital Sudden Cardiac Arrest."**

**Q: Who should receive Hands-Only CPR?**

**A:** Hands-Only CPR is recommended for use on teens or adults whom you see suddenly collapse.

**Q: Are there times when I should use conventional CPR with breaths?**

**A:** Yes. There are many medical emergencies that cause a person to be unresponsive and to stop breathing normally. In those emergencies, conventional CPR that includes mouth-to-mouth breathing may provide more benefit than Hands-Only CPR. The American Heart Association recommends CPR with a combination of breaths and compressions for:

- All infants (up to age 1)
- Children (up to puberty)
- Anyone found already unresponsive and not breathing normally
- Anyone who has experienced drowning, drug overdose, collapse due to breathing problems or prolonged cardiac arrest

**Q: Why don't teens or adults who suddenly collapse need mouth-to-mouth breathing in the first few minutes after their cardiac arrest?**

**A:** When a teen or adult suddenly collapses from cardiac arrest, they usually have enough oxygen to keep vital organs healthy for the first few minutes. Providing chest compressions that are hard and fast enough will help pump blood to the heart and brain. Studies have shown that Hands-Only CPR is just as effective as conventional CPR with breaths when given in the first few minutes of a cardiac arrest. AHA recommends that those that know how to give conventional CPR do so, but Hands-Only CPR is an effective alternative if the rescuer is unable or unwilling to provide breaths (due to not having protective barrier devices or not knowing how). The AHA still recommends CPR with compressions and breaths for infants, children, people who have experienced drowning or drug overdose, or people who collapse due to breathing problems.

**Q: In Hands-Only CPR, why don't I check the person's carotid pulse before I start compressions?**

**A:** The purpose of the Hands-Only CPR instruction is to provide a lay responder with the basic tools needed to save a life. Recognition of cardiac arrest can be done in two simple steps when the collapse is witnessed. AHA's new [Hands-Only CPR videos](#) showcase Hands-Only CPR and how to properly use an AED (automated external defibrillator) if it is available. These videos empower the rescuer with the knowledge of what to do, regardless of the rescuer's experience with healthcare-related emergencies. In these videos, the teaching opportunity is for the learner to recognize that someone has collapsed and is in cardiac arrest and then provide the two-steps to save a life that they can take right away.

These steps include activating the emergency response system, providing immediate chest compressions and using an automated external defibrillator if it is available.

[Our science guidelines](#) state that checking for a pulse is often inaccurate and delays the start of vital chest compressions in lay populations. Therefore, it is not recommended for those that are not healthcare professionals to take the time to check for a pulse.

Healthcare providers also may take too long to check for a pulse. The lay rescuer should not check for a pulse and should assume that cardiac arrest is present if an adult suddenly collapses or an unresponsive person is not breathing normally.

**Q: In Hands-Only CPR, why don't I have to check the breathing first before I begin compressions?**

**A:** Use Hands-Only CPR when you witness someone collapse so you can provide lifesaving chest compressions immediately. If you witness a sudden collapse, cardiac arrest is likely the cause and compressions are needed immediately.

**Q: Now that I know about Hands-Only CPR, do I still need to learn CPR with breaths?**

**A:** CPR is a skill that can be improved with practice. The American Heart Association continues to recommend that you take a CPR course to practice and learn the skills of CPR, including giving high-quality chest compressions. People who have had CPR training are more likely to give high-quality chest compressions and are more confident about their skills than are those who have not been trained (or have not been trained in the past five years).

Even a short CPR training program that you can do at home or workplace, such as the 20-minute CPR Anytime® program, provides skills training and practice that can prepare you to perform high-quality chest compressions.

Taking a Family & Friends® CPR with facilitator or Heartsaver® CPR AED training course with an AHA instructor can also teach the full array of skills needed to help save a life. To find a class near you, visit [Atlas](#).

There are many medical emergencies that cause a person to be unresponsive and to stop breathing normally. In those emergencies, CPR that includes mouth-to-mouth breathing may provide more benefit than Hands-Only CPR. Some examples include: unresponsive infants and children, anyone who is found already unresponsive and not breathing normally and people who have experienced drowning, drug overdose or collapse due to breathing problems.

**Q: Is Hands-Only CPR as effective as CPR with breaths?**

A: Any attempt at CPR is better than no attempt. Hands-Only CPR performed by a bystander has been shown to be as effective as CPR with mouth-to-mouth breaths in the first few minutes of an out-of-hospital sudden cardiac arrest. CPR with breaths may be better than Hands-Only CPR for certain people, though, such as infants and children, teens or adults who are found in cardiac arrest (whom you did not see collapse) or people who have experienced drowning, drug overdose or collapse due to breathing problems.

**Q: Has the American Heart Association changed its recommendation for healthcare providers?**

A: No. The current American Heart Association recommendation for healthcare providers has not changed.

**Q: If I was trained in CPR that includes breaths and I see an adult suddenly collapse, what should I do?**

A: Call your emergency response number and start CPR.

If you have been trained to provide CPR that includes breaths with high-quality chest compressions with minimal interruptions, provide either the conventional CPR that you learned (CPR with a ratio of 30 compressions to 2 breaths) or Hands-Only CPR. Continue CPR until an AED arrives and is ready for use or emergency medical service or a healthcare provider take over care of the person.

If you have not been trained to provide CPR that includes breaths with high-quality chest compressions with minimal interruptions, provide Hands-Only CPR. Continue Hands-Only CPR until an AED arrives and is ready for use or emergency medical service or a healthcare provider take over care of the person.

**Q: Do I need to take a training course to learn how to do Hands-Only CPR?**

A: CPR is a skill that is helped by practice. However, learning Hands-Only CPR is easy and takes only two steps: call the emergency response number and push hard and fast on the chest. For more information about Hands-Only CPR, including resources and training videos, please visit [international.heart.org/hands-only-cpr/](https://international.heart.org/hands-only-cpr/).

**Q: What do I do if I find a teen or adult who has collapsed but no one saw it happen?**

A: Call your emergency response number and start CPR. If you learned CPR with mouth-to-mouth breathing, call your emergency response number and provide CPR as you learned it. If you know only Hands-Only CPR, call your emergency response number and give Hands-Only CPR until an AED arrives and is ready for use or advanced care providers take over care of the person.

**Q: When I call my emergency response number, what will they ask or tell me?**

A: Emergency response systems vary greatly around the world. However, the dispatcher (operator) may ask you about the emergency. They may ask questions about the person and whether they are responsive and breathing normally. They may ask if you know CPR and may tell you how to help the person until someone with more advanced training arrives and takes over. They may also ask for details like your location. It is important to be specific, especially if you're calling from a mobile phone as that is not associated with a fixed location or address. Remember that answering the dispatcher's questions will not delay the arrival of help. You need to stay on the phone until the dispatcher tells you to hang up.

**Q: If I am using an AED that prompts CPR with breaths, should I give just chest compressions?**

A: Follow the directions provided by the AED and minimize any interruptions to chest compressions. If you know how to provide chest compressions and breaths, do so. If not, provide Hands-Only CPR.

Remember, someone in cardiac arrest should receive high-quality chest compressions. You should push hard and fast in the center of the chest with minimal interruption.

**Q: What should I do if I am getting tired from giving chest compressions before more help arrives?**

A: Performing chest compressions correctly is hard work. The more tired you become, the less effective your compressions will be. If someone else knows CPR, you can take turns providing CPR. Switch rescuers about every 2 minutes, or sooner if you get tired. Move quickly to keep any pauses in compressions as short as possible. If you are alone, do your best to keep providing CPR. In addition, we also recommend that if the rescuer can help coach another person on how to do CPR, this would provide the opportunity to have multiple rescuers giving Hands-Only CPR until help arrives.

**Q: How will I know if a person's pulse has returned or they begin breathing, while I am doing Hands-Only CPR?**

A: Once someone begins breathing and has a pulse, they will likely provide some level of response, such as moaning, opening of the eyes or body movements.

**Q: When do I stop giving Hands-Only CPR?**

A: Continue pushing hard and fast in the center of the chest until help arrives. If the person speaks, moves or breathes normally while you're giving chest compressions, Hands-Only CPR can be stopped.

**Q: Not all people who suddenly collapse are in cardiac arrest. Will CPR seriously hurt them?**

A: Teens or adults who suddenly collapse are likely to have had a cardiac arrest, and their chance of survival is zero unless someone takes action immediately. You should call your emergency response number and push hard and fast in the center of the chest, with minimal interruptions. If cardiac arrest is the cause of the cardiac emergency, Hands-Only CPR is an easy, effective way to potentially double or triple the person's chance of survival. If a teen or adult has collapsed for reasons other than sudden cardiac arrest, Hands-Only CPR could still help by causing the person to respond (begin to move, breathe normally or speak). If that occurs, Hands-Only CPR can be stopped. Otherwise, chest compressions should continue until emergency services arrive.

**Q: Can you break people's ribs by doing CPR?**

A: Yes, however the chance of potential injury is minimal compared to the opportunity to save a life by providing chest compressions. A 2004 review of scientific literature showed that conventional CPR can cause fractures of ribs and/or the breastbone (sternum) in at least one third of cases.<sup>1</sup> In a related study of people who had received such injuries from CPR, the fractures did not cause any serious internal bleeding or death.<sup>2</sup>

The chance of surviving an out-of-hospital cardiac arrest is zero for a person who does not immediately receive high-quality chest compressions with minimal interruptions followed by additional therapy within minutes (a defibrillating shock and/or more advanced care from emergency services personnel).

**Q: Is there a danger in jumping in and giving CPR without being trained?**

A: On average, any attempt to provide CPR to a person is better than no attempt to provide help.

**Q: Why did the American Heart Association decide to recommend Hands-Only CPR for teens and adults who suddenly collapse?**

**A:** The American Heart Association publishes updated Guidelines for CPR and Emergency Cardiovascular Care. These guidelines reflect a thorough review of current science by international experts. The 2010 guidelines reported that in studies of out-of-hospital cardiac arrest, adults who received Hands-Only CPR from a bystander were more likely to survive than those who didn't receive any type of CPR from a bystander.<sup>3</sup>

The 2015 AHA Guidelines Update for CPR and ECC confirmed this recommendation. In other studies, survival rates of adults with cardiac arrest treated by people who weren't healthcare professionals were similar with either Hands-Only CPR or CPR with breaths.<sup>4</sup> When interviewed, bystanders said panic was the major obstacle to performing CPR. The two steps to Hands- Only CPR may help overcome panic and hesitation to act.

**Q: Hands-Only CPR was released as a Science Advisory in 2008. What is the American Heart Association's process for releasing Scientific Statements, Guidelines and Advisories?**

**A:** Researchers and clinicians who serve as volunteer experts for the American Heart Association continually monitor and review the scientific literature related to the diagnosis and treatment of cardiovascular disease and stroke. When experts agree that published evidence supports a new or changed recommendation, a group of experts is asked to draft a scientific statement, guideline or advisory for publication in a peer-reviewed medical journal.

**Q: Does the American Heart Association offer products that teach Hands-Only CPR?**

**A:** We have a few courses that will teach Hands-Only CPR and provide an opportunity to practice on a manikin. The Adult & Child CPR Anytime Training Kit and Family and Friends are two community-based products that provide training in Hands-Only CPR. In addition, the AHA provides training via our Heartsaver® courses, which offer blended learning and instructor-led classroom options for those that may or may not require a course completion card for work. Use our Find a CPR Class tool to reach a network of authorized AHA Training Centers and Instructors that offer in-person classroom training and skills sessions at convenient locations. The tool is available at [atlas.heart.org](https://atlas.heart.org).

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<sup>1</sup> Lederer W, Mair D, Rabl W, Baubin M. Frequency of rib and sternum fractures associated with out-of- hospital cardiopulmonary resuscitation is underestimated by conventional chest x-ray. *Resuscitation*. 2004;60:157-162.

<sup>2</sup> Hoke RS, Chamberlain D. Skeletal chest injuries secondary to cardiopulmonary resuscitation. *Resuscitation*. 2004;63:327-338.

<sup>3</sup> Field J, Hazinski MF, Sayre M, et al. 2010 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation*. 2010;122:S640- S656.

<sup>4</sup> Neumar R, Shuster M, Callaway C, et al. 2015 American Heart Association Guidelines Update for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation*. 2015; 132:S315- S367.