

FUNDAMNETAL OF FIRST AID AND CPR

CALL 911 IN CRITICAL EMERGENCIES, UNRESPONSIVENESS, COLLAPSE OR SUDDEN CHANGE IN CONDITION OF CLIENT AND REPORT TO SUPERVISOR

ALWAYS BE AWARE OF YOUR SURROUNDINGS IN CASES OF EMERGENCY

REMEMBER:

- ► ABC (AIRWAY \rightarrow BREATHING \rightarrow CIRCULATION)
- CONTROL BLEEDING
- ► TREAT FOR SHOCK (MEDICAL EMEERGENCIES)

DISCUSSION POINTS:

- OPEN WOUNDS AND BURNS
- FRACTURES OR DISLOCATIONS
- EMERGENCY PREPARDNESS PLAN
- SUDDEN OR ACUTE CHANGES IN CLIENT CONDITION
- ALWAYS PERFORM HAND HYGIENE BEFORE AND AFTER ASSISTING CLIENTS AND WEAR GLOVES WHEN IN CONTACT WITH OPEN WOUNDS

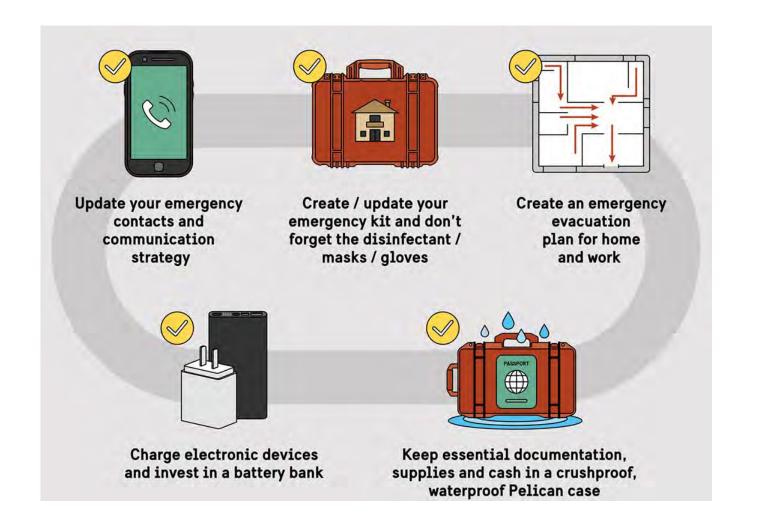
WHAT IS AN EMERGENCY?

- ► An emergency is a situation demanding an immediate response or action
- An emergency can happen at any times or at any place. It is not a clear-cut situation
- Your response may be the difference between:
 - Life or death
 - Temporary or permanent disability
 - ► Short or long term recovery

WHAT CAUSES AN EMERGENCY RESPONSE?

- Many events can cause the activation of an Emergency Preparedness Plan to minimize negative impacts and save lives
- Each client has an individual Emergency Preparedness Plan which you, as a caregiver, should familiarize self in case of emergency situations
- Some examples of Emergency Situation include sudden injury such as falls, acute changes in health condition such as stroke or heart attack
- Other examples of Emergency Situation may include outside factors, such as:





EMERGENCY PREPAREDNESS TIPS

EMERGENCY PREPAREDNESS TIPS FOR EVERYONE

- Where are the safe areas in your home, workplace, and other places you visit often?
- How will you get emergency information?
- How will you communicate with your support network?
- What items will you need in order to stay safe and healthy if you cannot leave your home for hours or days?
- What items will you need in order to stay safe and healthy if you have to go to a shelter?
- How will you evacuate if you need to?





Make a plan



Know your Zone, Know your Home



Stock a disaster supply kit



Update insurance policies



Reinforce your home



Know evacuation routes



Practice emergency plan



Document your property



Make checklist of important documents & valuables



Have a way to receive weather alerts



EMERGENCY PREPARDNES TIPS FOR PEOPLE WITH MOBILITY DISABILITIES

- Where are the safe areas in your home, workplace, and other places you visit often?
- Are these areas, and the routes to these areas, accessible for you?
- If you have to leave your home, do you have accessible transportation?
- ▶ Do you have equipment, medications or Assistive Technology that you would need in a shelter?
- Backup equipment

EMERGENCY PREPAREDNESS TIPS FOR PEOPLE WITH SENSORY DISABILITIES

- What is the best way for you to receive emergency information?
- How will you communicate with others?
- Do you have equipment, medications or Assistive Technology that you would need in a shelter?
- Backup equipment?

EMERGENCY PREPAREDNESS TIPS FOR PEOPLE WITH COGNITIVE OR INTELECTUAL DISABILITIES

- ▶ What is the best way for you to receive emergency information?
- How will you communicate with others?
- Do you have equipment, medications or Assistive Technology that you would need in a shelter?
- Backup equipment?
- ▶ Items that will help you to reduce stress?

DISASTER EMERGENCY KIT

STATE OF ILLINOIS

https://ready.illinois.gov/plan/emergencykit.html

EMERGENCY PREPARDENESS

- 1. Make a Plan Talk to family and friends about the types of emergencies that can occur.
- Build an Emergency Supply Kit(s) Have a kit for your house, vehicle, and your place of work. Be prepared to shelter in your home or to be evacuated.
- Get Training Learn first-aid and CPR (cardio pulmonary resuscitation). Know how to <u>shelter-in-place</u> and how to turn off utilities (power, gas, water) to your home.
- 4. **Volunteer** Volunteer in your community as a CERT (Citizen Emergency Response Team) member, a firefighter, or an emergency medical technician.

Disasters can happen anytime and anywhere. And when disaster strikes, you may not have much time to respond. Take the 4 steps of preparedness:

- MAKE A PLAN Discuss with family and friends emergencies that could occur.
- BUILD AN EMERGENCY SUPPLY KIT(S) - Have a kit for your house, vehicle and your place of work. Be prepared to shelter in your home or to be evacuated.
- GET TRAINED Learn first-aid and CPR.
 Know how to shelter in place and how to turn off utilities (power, gas and water) to your home.
- VOLUNTEER Examine volunteer opportunities in your community.

You and your family will cope best by preparing before an emergency strikes. One way to prepare is by assembling a Disaster Supplies Kit. Once disaster hits, you will not have time to shop or search for supplies. But if you have gathered supplies in advance, your family can endure an evacuation or home confinement.

To prepare your kit

- Review the checklist in this brochure.
- Gather the supplies that are listed. You may need them if your family is confined at home.
- Place the supplies you'd most likely need for an evacuation in an easy-to-carry container. These supplies are listed with an asterisk (*).

DISASTER KIT SUPPLIES CONTINUED

SPECIAL ITEMS

Remember family members with special needs, such as infants and elderly or disabled persons.

For Baby*	
☐ Formula	☐ Diapers ☐ Bottles
□ Medications	☐ Powdered Milk
For Adults*	
Heart and high	gh blood pressure medication
Other prescri	ption drugs 🔲 Insulin
Extra eye gla	asses
☐ Contact lens	es and supplies
D Denture need	de

Personal Protection Items

The Centers for Disease Control (CDC) recommends the following additional items be added to any disaster kit to safeguard each member of your family from public health emergencies:

Face Coverings	
☐ Hand Sanitizer	
Disinfection Wipes	

IMPORTANT FAMILY DOCUMENTS

Keep these records in a waterproof, portable container.

3	Will, insurance	policies,	contracts,	deeds,	stocks
	and bonds.				

Passports,	social	security	cards,	immunization
records				

Preparedness Information

American Red Cross www.redcross.org

Illinois Terrorism Task Force www.ready.illinois.gov

Illinois Emergency Management Agency www.state.il.us/iema



Disaster Kit







Disaster Supplies Kit

Keep the items you would most likely need during an evacuation in an easy-to-carry container such as a camping backpack or a duffie bag. These supplies are listed with an asterick (*).

WATER - Store water in plastic container as soft drink bottles. Avoid using containers decompose or break, such as milk cartons	s that will
bottles. A normally active person needs to	drink at
least 2 quarts of water each day. Hot envir	onments
and intense physical activity can double th	at amount.
Children, nursing mothers and ill people wi	Il need more.
Store one gallon of water per person per quarts for drinking, two quarts for food pr and sanitation).*	
 Keep at least a three-day supply of water 	r for each
person in your household.	
FOOD - Store at least a three-day supply	of
non-perishable food. Select foods that req	
refrigeration, preparation or cooking and lit	
water. If you must heat food, pack a can o	f sterno.
Select food items that are compact and ligh	ntweight.
*Include a selection of the following foods i	n your
Disaster Supplies Kit:	
Ready-to-eat canned meats, fruits & veg	getables.
 Canned juices, milk, soup (if powdered, water). 	store extra
Staples such as sugar, salt, pepper.	
☐ High-energy foods - peanut butter, jelly	crackers.
granola bars, trail mix.	or and the same of
☐ Vitamins	
Foods for infants, elderly person or pers	ons with
special diets.	
☐ Comfort/stress food - cookies, hard can	dy.
sweetened cereal, follipops, instant coff	

e listed with an asterick (*).	☐ Flashlight and extra batteries* ☐ Cash, traveler's checks, change*				
			ic can opener, utilit	W	
FIRST-AID KIT - assemb		☐ Map of the area (for locating shelters)*			
one for each car. A first-aid k			y Preparedness Ma		
☐ Sterile adhesive bandages	The state of the s	☐ Fire exting	uisher: small - ABC	type	
2-inch sterile gauze pads (☐ Tent	☐ Pliers	☐ Tape(duct)	
4-inch sterile gauze pads (☐ Compass	☐ Paper, pencil	☐ Signal flare	
Hypoallergenic adhesive to		□ Whistle	Plastic sheeting	g	
☐ Triangular bandages (3)		■ Medicine d	ropper	Y	
2-inch sterile roller bandag	es (3 rolls)	Matches in	a waterproof cont	ainer	
☐ 3-inch sterile roller bandag		☐ Plastic sto	rage containers, ba	ags	
☐ Tube of petroleum jelly or of			rench, to turn off ho		
Assorted sizes of safety pir	ns 🗆 Scissors		(needles, thread)	□ Aluminum foil.	
☐ Cleansing agent/soap	☐ Needles	Sanitati			
☐ Latex gloves (2 pairs)	Tweezers	□ Toilet paper, towelettes*			
☐ Moistened towelettes	■ Soap, liquid detergent*				
☐ Thermometer (medical)	☐ Tongue depressor (2)	☐ Feminine supplies*			
□ Sunscreen		☐ Plastic garbage bags, ties			
			cket with tight lid	20 2 20 20	
Non-prescription drug	ıs	The second second second second	nt 🔲 Household itizer 🖾 Disinfecti		
Aspirin or nonaspirin pain r	reliever				
Anti-diarrhea medication (G and BEDDIN		
Antacid (for stomach upset	()	"include at le and footwear	ast one complete of per person.	change of clothing	
With the second	12-73-75		es or work boots*	□Rain gear*	
Contact your local American		The second second	r sleeping bags*	☐ Sunglasses	
Red Cross Chapter to obtain a basic		☐ Thermal u		☐ Hat and gloves	
first-aid manual and training.		☐ Face Cove	erings	- Harrist Armer	
Suggestions	and Reminders				
	place known to all family men	ibers Keen a s	maller version of the	e kit in vour car	
 Keep items in air t 		and a septiment	maior (energial of the	2.00 m/2.50 mm	
	iter every 6 months so it stays	fresh. Rotate v	our stored food eve	ry six months.	
	nd family needs at least once				

Ask your physician or pharmacist about storing prescription medications.

TOOLS and SANITATION

☐ Mess kits, or paper cups, plates and utensils*
☐ Battery operated radio and extra batteries*

RECEIVING ALERTS AND WARNINGS

- ▶ Plan ahead to determine the best option for you. May try out different services and ensure to have one or more back-up options. Some alert services include:
 - Weather radios
 - ► Email alerts
 - Text alerts
 - ► Reverse 911 systems
 - Smartphone applications
 - ► Television, radio and internet sources
 - ► Emergency alert systems

EVACUATION

- Know your transportation needs
- Make a plan in advance, if possible
- Take equipment and service animals with you
- Have back-up options
- Communicate with first responders

DISABILITY SERVICES

- Coordinate disability specific resources
- ▶ Disseminate information about evacuation
- Health and safety checks
- Work with emergency management

SHELTERING

- Plan in advance
- take service animals, loved once and care recipients with you
- Utilize your support network
- Plan for support services
- Practice telling shelter workers what your needs are

DISABILITY SERVICES

- Plan with emergency managers
- Review shelter sites
- Plan for continuation of services
- Communicate within the shelter



AND FIRST AID

CLIENT FALLS AND IS INJURED

- Do not move them unless they are in serious and immediate danger
- Call "911" following procedures outlined in "Guidelines"
- Make them as comfortable as possible
- Stay with them until assistance arrives
- Report and record the following:
 - How the fall occurred
 - How far the person walked
 - How activity was tolerated before the fall
 - Complaints before the fall
 - How much help the person needed while walking
- ► Complete the ADSC's Incident Report, as soon as possible

CLIENT FALLS AND IS NOT INJURED

- You may need to let the person move for his or her safety and your own
- Stay calm, and protect the person from injury
- Call for help if needed
- Stay with the person
- Provide for comfort
- Report and record the following:
 - How the fall occurred
 - How far the person walked
 - How activity was tolerated before the fall
 - Complaints before the fall
 - How much help the person needed while walking
- Complete an Incident Report

CLIENT COLLAPSE OR IS SERIOUSLY ILL

- Call "911"!
- Make them as comfortable as possible
- Call the office to report the incident await further instructions
- Stay with them until assistance arrives
- Ensure the home is secure when leaving
- Complete the Agency's Incident Report as soon as possible

SIGNS AND SYMPTOMS WHICH MAY INDICATE EMERGENCY SITUATION AND REQUIRE TO CALL "911" IMMEDIATELY:

- > Difficulty breathing or no breathing
- > No pulse
- Bleeding severely
- > Chest/neck/jaw/arm pain
- > Losing consciousness or are unconscious
- Suspected fracture
- Badly burned
- > Inability to move one or more limbs
- > Seizure
- Suffering from
 - Hypothermia (below normal body temperature)
 - Hyperthermia (well above normal body temperature)

- Poisoning
- Diabetic emergency
- > Stroke
- Doubt exists as to the seriousness of the situation or client condition rapid deterioration
- Sudden onset of confusion or trouble speaking or understanding speech
- Sudden inability to ambulate, dizziness, or problems with balance
- Sudden changes in vision
- Severe headache with no known cause, especially accompany with light sensitivity, nausea/vomiting, collapse

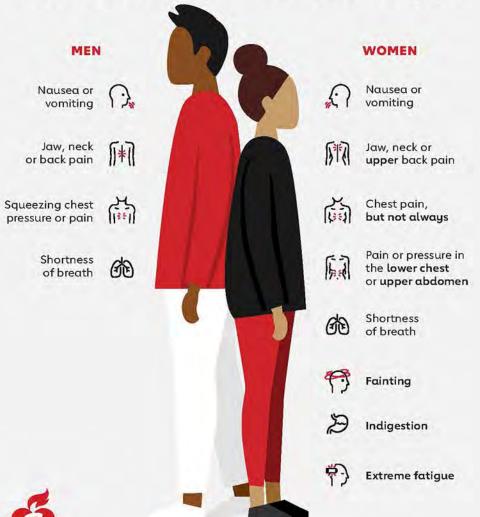
STROKE SIGNS - CALL 911!



HEART ATTACK SYMPTOMS: MEN VS. WOMEN

By American Heart Association News

The most common symptom of a heart attack for both men and women is chest pain. But women may experience less obvious warning signs.

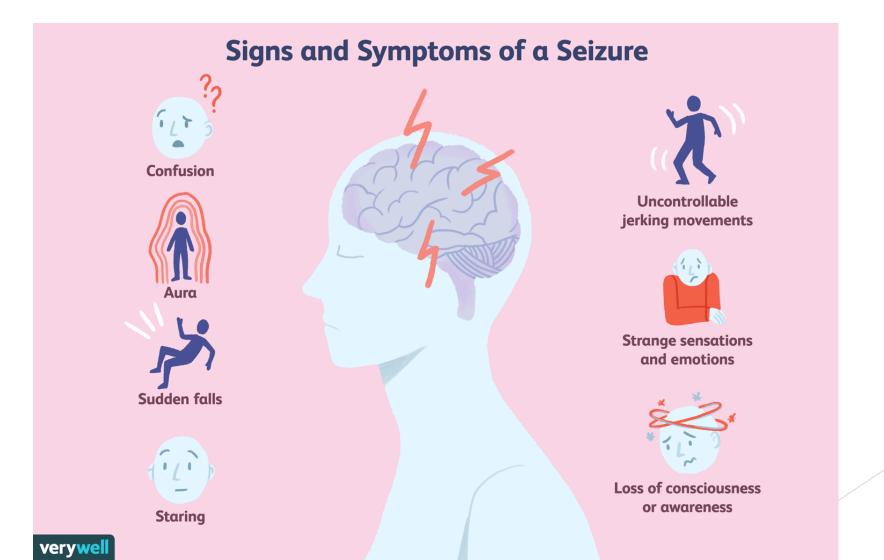


Source: American Heart Association's journal, Circulation
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HEART ATTACK SIGNS CALL 911!



SEIZURE SIGNS - CALL 911!



Seizure First Aid

How to help someone having a seizure

1

STAY with the person until they are awake and alert after the seizure.

✓Time the seizure ✓Remain calm ✓Check for medical ID



2

Keep the person **SAFE**.

✓ Move or guide away from harm



3

Turn the person onto their **SIDE** if they are not awake and aware.

- √ Keep airway clear
- ✓ Loosen tight clothes around neck
- ✓ Put something small and soft under the head



Call **911** if...

- Seizure lasts longer than 5 minutes
- Person does not return to their usual state
- Person is injured, pregnant, or sick
- Repeated seizures
- First time seizure
- Difficulty breathing
- Seizure occurs in water

Do **NOT**

- X Do NOT restrain.
- X Do **NOT** put any objects in their mouth.
 - ✓ Rescue medicines can be given if prescribed by a health care professional

Learn more: epilepsy.com/firstaid



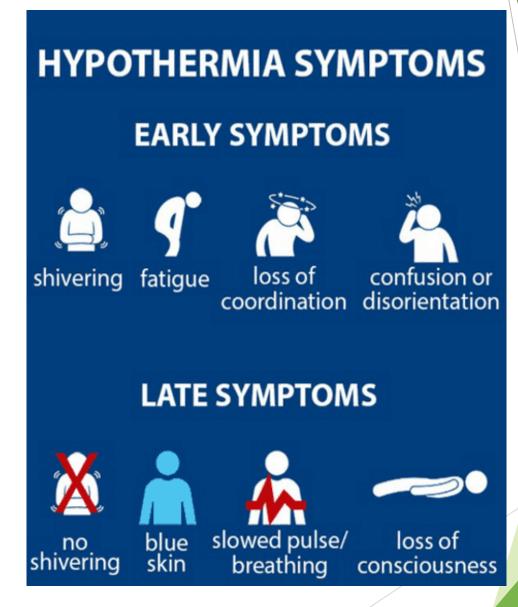
epilepsy.com

24/7 Helpline: 1-800-332-1000

SEIZURE FIRST AID

HYPOTHERMIA

- Occurs when bodies lose more head than they produce
- ► Temperature of body falls below 95F
- Risk factors: cold, alcohol, fatigue, open wounds
- UNTREATED HYPOTHERMIA BECOMES A MEDICAL EMERGENCY



HYPOTHERMIA FIRST AID

- Move person to a warm place
- Remove wet clothing
- Warm center of the body first chest, head, neck and groin
- ▶ Give warm beverages if conscious
- Wrap body and head in a warm blanket
- ► Administer CPR if unconscious and trained. Always call 911, ESPECIALLY if no improvement notes or individual collapses!

HYPERTHERMIA

- Hyperthermia can be due to outside forces, such as heat exhaustion during hot weather or being in hot tub for too long
- Other factors contributing to hyperthermia are during periods of infection when core temperature exceeds normal range of 98F, or in individuals who are unable to regulate their core temperature due to chronic and/or acute conditions
- There are two forms of hyperthermia
 - Heat exhaustion
 - Heat stroke

NOTE: HEAT STROKE IS A MEDICAL EMERGENCY AND REQUIRES IMMEDIATE AND AGGRESSIVE TREATMENT - CALL 911!!

Hyperthermia

Symptoms of heat exhaustion include:







Blurred vision.

Dizziness.

Fatigue or weakness.



Low blood pressure.



Fast breathing or heart rate.



Headache.



Muscle aches or cramps.



Light-headedness or fainting.



Nausea and vomiting.

SPOT THE SIGNS OF HEAT HEAT **EXHAUSTION** STROKE Throbbing headache Faint or dizzy No sweating **Excessive sweating** Body temp above 103° Cold, pale, clammy skin Red, hot dry skin Nausea or Nausea or vomitting vomitting Weak, Rapid, rapid pulse strong pulse Muscle cramps May lose consciousness Get to a cool, dry place **Drink water if conscious CALL 911** Take a cool shower or use cold compresses

HEAT EXHASTION HEAT STROKE

HYPERTHERMIA TREATMENT

- ▶ Move to cooler environment
- ▶ Place in shock position lying on back with feet elevated
- Remove excess clothing
- Cool by fanning or apply cool water/ice to central body (chest, behind neck, groin, armpits, head)
- ► Hydration; offer water to drink every 15 minutes
- ▶ Call 911 if no improvement, person collapsed, or Heat Stroke suspected

HEAT STROKE

- During heat stroke, body heat regulating mechanism fails. The rise in temperature causes brain damage and death.
- ▶ It requires IMMIDATE INTERVENTION AND COOLING OF BODY
- ▶ The body temperature can rise up to 105F!
- CALL 911 IMMIDIATELY
- Cool environment
- ▶ Try to cool as quickly as possible in any manner possible
 - ▶ E.g. cool water bath, wrap in wet sheets, place in air conditioned room
- DO NOT GIVE ANYTHING BY MOUTH
- Place in shock position

SEVERE BURNS

- ► Call 911!
- ► Cool the burn area with water for 10-20 minutes
- Protect burn area from ground contact. May cover the injured area loosely with sterile unmedicated dressing or similar non-fluffy material and bandage
- Don't remove anything that is sticking to the burn
- Don't apply lotions, ointments, butter or fat to the injury
- Don't break blisters or otherwise interfere with the injured area
- Don't over-cool the patient and cause shivering
- ▶ If breathing and heartbeat stop, call 911 and begin resuscitation immediately
- ▶ If client is unconscious but breathing normally, place in the recovery position.
- Treat for shock
- Send for medical attention and prep for transport.

MINOR BURNS

- Place the injured part under slowly running water, or soak in cold water for 10 minutes or as long as pain persists
- ► Gently remove any rings, watches, belts, and shoes from the injured area before it starts to swell
- Dress with clean, sterile, non fluffy material
- Don't use adhesive dressings
- Don't apply lotions, ointments or fat to burn/ scald
- Don't break blisters or otherwise interfere
- If in doubt, seek medical aid and call 911

FIRST AID FOR BURNS AND CUTS

FIRST AID TIPS FOR BURNS











FIRST AID FOR CUTS









DISINFECT THE EDGES OF THE WOUND



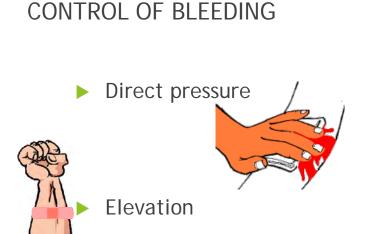
APPLY A CLEAN BANDAGE

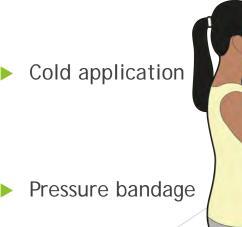


IF MUSCLES OR TENDONS ARE INJURED, CALL A DOCTOR

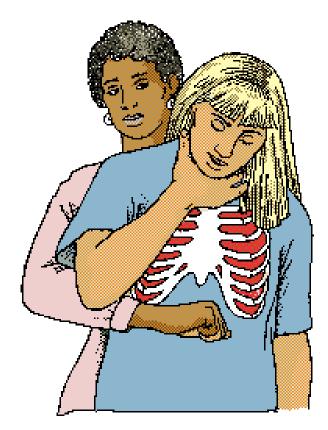
FRACTURES AND BLEEDING

- ▶ If open fracture noted (bone sticking out of body) NEVER PUSH THE BONE BACK INTO PLACE
- ▶ DO NOT straighten breaks or broken bones
- DO NOT attempt to fix a dislocation of bones call 911, only doctors can do this!
- ▶ ALWAYS TREAT FOR BLEEDING FIRST APPLY PRESSURE TO STOP THE BLEED!
- CALL 911 IMMIDIATELY!

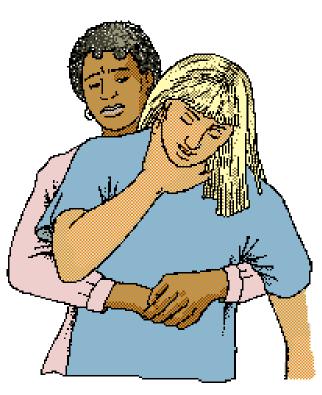




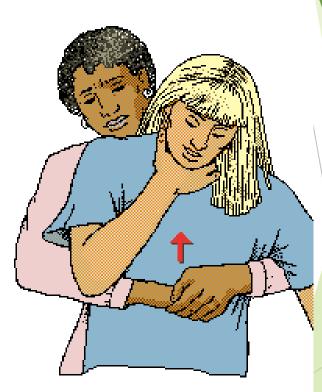
HEIMLICH MANEUVER DURING CHOCKING



Stand or kneel behind the person choking. Place one arm around her waist with the fist positioned between the navel and ribcage.
The thumb should be inward

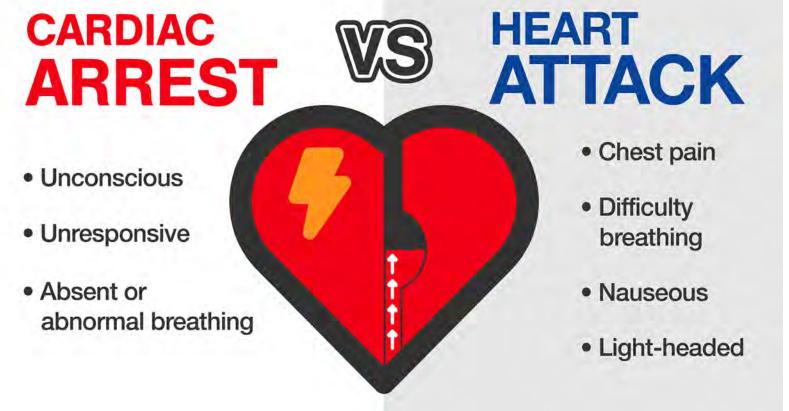


Place the other hand over the first.



Use the outer hand to increase the force as you press inward and upward, quickly forcing air out of the victim's lungs. If this fails to eject the obstruction, repeat the maneuver as many as 4 times.

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CARDIAC ARREST

CALL 911 IMMIDIATELY!!!

MAY BE DIRECTED TO PERFORM CPR BY 911 DISPATCHER

CPR CERTIFICATE CAN BE OBTAINED AND RENEWED EVERY 2 YEAR'S INDEPENDENTLY - ENSURE A COPY IS IN YOUR FILE BY HR DEPARTMENT.

CARDIO PULMONARY RESSUSCITATION CALL 911 - MEDICAL EMERGENCY!

- ▶ Should be trained to perform this procedure and have a valid CPR or BLS license
- If done improperly, could harm the individual

ALWAYS CALL 911 IF CLIENT IS NOT BREATHING OR HAS NO PULSE

- State: "THIS IS AN EMERGENCY!"
- Describe what has happened; give facts and describe what you observed
- Provide number you're calling from, your name, location
- Remain calm
- ► Follow the 911 dispatcher's direction
- Advise dispatched immediately if you are not trained in CPR
- ▶ Do <u>NOT</u> hang up before the dispatcher hangs up
- Reassure the client and/or family
- Always notify the supervisor of what has transpired and 911 after assisting the client or EMT arrival

$A \rightarrow B \rightarrow C$ AIRWAY \rightarrow BREATHING \rightarrow CIRCULATION

▶ 1. Establish responsiveness - "are you okay?"



▶ 2. Look and listen/feel for breathing - rise in chest

3. Use chin lift or tilt head upwards



4. Check pulse



▶ 5. Attempt to Ventilate if no breathing observed



▶ 6. Recovery position



CALL 911
IMMIDIATELY AND
FOLLOW THEIR
DIRECTIONS, WHICH
MAY INCLUDE

Step-by-Step CPR Guide

1. Shake and shout



4. Place your hands at the center of their chest



2. Call 911



5. Push hard and fast—about twice per second



3. Check for breathing



6. If you've had training, repeat cycles of 30 chest pushes and 2 rescue breaths





POST TEST

TEST YOUR UNDERSTADNING



Everyone, including family members, clients and caregivers, should be familiar with emergency plan since they each play an important role.

- **TRUE**
- ► FALSE



You are carrying for your client at their home and received a notification on your smartphone from local authorities to evacuate to a safe area due to tornado warning in your area. *You should:*

- ► A) Refuse to leave. Most "emergencies" don't turn out to be a big deal.
- ▶ B) Wait to see if the situation worsened, then decide.
- C) Follow the advice of local authorities to ensure you and your client is safe.
- D) Call your neighbor and see what she thinks you should do.



You are assisting your client during transfer from a chair to standing position. Suddenly, the client screams "My legs are giving out!". You tried to hold the client and assist them back to the chair but they still fell to the ground and hit their head, where you noted an open wound and bleeding.

What should you do next?

- A) Apply pressure to the wound to stop the bleeding and move the client to the chair.
- B) Call 911 immediately, assess the client to ensure they are safe in the position they are in and follow 911 dispatcher instructions. Notify supervisor once EMT arrives for the client.
 - C) Assist the client to the chair but to not touch the wound and do not call 911, per client request.
 - D) Lie the client on the ground to ensure they do not fall and call your supervisor.



- ▶ It is a hot summer day and you are enjoying the weather outside with your client. Suddenly, your client complains of feeling thirsty and having a throbbing headache. You do not note any shivering but their skin feels hot to touch and appears very red and dry. Client starts vomiting and collapses. What should you do?
- ▶ A) Call 911 as this is a medical emergency. Attempt to cool the client with cool wraps from cold water and follow 911 dispatcher instructions.
- B) Apply ice compress to client head and skin to help cool them down.
- C) Call your supervisor on direction of what to do now.



- You were assisting your client in preparing a meal. You noted the water in the pot started to boil excessively and the client reached out to turn down the heat, but a small amount of the boiling water splashed on the client hand causing a minor burn. What should you do?
- ▶ A) Evaluate the area to ensure no skin break occurred. Rinse the hand under cool water for 10-20 minutes to reduce discomfort. Apply loose sterile/clean dressing around the hand. Notify supervisor of the incident to complete an Incident Report.
- ▶ B) Put the hand into an ice bath for 20 minutes and apply antibacterial ointment on the area once it is dry.
- ► C) Call 911 stating "THIS IS AN EMERGENCY!"
- ▶ D) Yell at the client for being so clumsy and not careful. Report to your supervisor on what transpired.

QUESTIONS?

THANK YOU FOR PARTICIPATING!