

THE "HEAT HOLOCAUST SURVIVOR" (SPECIAL REPORT)



THE COMPLETE STEP-BY-STEP SYSTEM TO GUARANTEE YOUR SURVIVAL

Table of Contents

Introduction	3
What is Extreme Heat Condition	4
Effects of Extreme Heat on Health	5
I. Heat Cramps	5
II. Heat Exhaustion	6
III. Heat Stroke	7
What to do during Extreme Heat Conditions	9
Conclusion:	13

INTRODUCTION

Exposing the body to extreme heat can push it beyond its normal conditions and can result to death. Normally, when the human body is exposed to high temperature, it automatically perspires and cools down by on its own. But when subject to extreme heat and high humidity, the human body finds it hard to react normally thus leading to extreme reactions and sometimes death.



This is common in old and young people, as well as sickly and overweight people. Men sweat more than women. That is why they are more prone to effects of extreme heat because when exposed to this condition they perspire heavily and becomes dehydrated.

Prolong exposure to extreme will lead critical physical reaction and sometimes death. There are studies that show that a rise in the number of heat-related illnesses takes place when the atmosphere is extremely hot for a long period of time.

To avoid harmful effects of extreme heat, one must have the knowledge about what it's all about and how to protect one's self. Learn all about extreme heat conditions and how you can keep yourself from its fatal effects, before it's too late.



What is Extreme Heat Condition?

Extreme heat is a weather condition that occurs when the temperature and humidity are higher than the average temperature. Based on the heat index, which is the measurement in degrees Fahrenheit (F) that tells how hot it really feels when relative humidity is added to the actual air temperature, one can tell the heat condition for the day and can avoid extreme heat exposure. When prolonged for a period of time, it is now considered a heat wave, and can be very dangerous.



People who live in urban areas have a greater risk of experiencing effects of a heat wave than people who are living in rural areas. Respiratory diseases are rampant during this condition. The stagnated heat in urban areas can trap pollutants to produce unhealthy air, and combined with the extreme heat, would result in a disease-prone atmosphere. On top of this, the asphalt and concrete roads in urban areas absorb heat and release it at night, resulting in higher nighttime temperatures in urban areas known as the "urban heat island effect."

Effects of Extreme Heat on Health

I. Heat Cramps

Heat cramps are muscular pains and spasms due to heavy exertion on extreme heat temperature. Although heat cramps are not that dangerous, they are usually the first sign that the body is reacting negatively with the heat.

Symptoms of heat cramps:

Heat cramps can be very painful and usually affects the arms, legs, or abdomen after several hours of exertion in hot conditions. Other symptoms also include faintness, dizziness, weakness, and excessive sweating.



Treatment of Heat Cramps:

It is easy to treat heat cramps. As soon as you experience any of the symptoms you need to stop whatever you're doing and take a rest in a cool place. Then drink fluids with electrolytes, like sports beverages. Gently massage and stretch your cramping muscles, holding your joint in a stretched position until cramps subside. If heat cramps persist after an hour of rest and fluid intake, it is time to seek medical help.

To avoid heat cramps, take plenty of fluids while doing heavy exertion on extreme heat conditions. If you can avoid staying out in the heat while working hard and doing heavy labor, do so. But if you really must, take some time to cool off and rest your muscles from time to time.

II. Heat Exhaustion

Heat exhaustion happens when people exercise heavily or exert effort in a hot and humid place. A big amount of body fluids are lost when people sweat heavily. The blood flow to the skin increases when the body perspires too much. When this happens, the blood flow to vital organs decreases. The result is in a form of mild shock. If not treated immediately, the victim's condition will worsen. Chances are the body temperature will keep rising, leading to heat stroke.



There are two types of heat exhaustion; water depletion and salt depletion. Each type is different according to symptoms. Water depletion can result in excessive thirst, weakness, headache, and even loss of consciousness; while salt depletion can cause nausea and vomiting, frequent muscle cramps, and dizziness.

Although heat exhaustion is not as serious as heat stroke, without proper and immediate treatment, it can become one and can damage the brain, vital organs, and even cause death.

The common signs and symptoms of heat exhaustion include;

- Dizziness, nausea and fainting
- Confusion and headache
- Fatigue and muscle cramps
- pale skin, rapid heartbeat and profuse sweating
- dark-colored urine (which indicates dehydration)

Treatment for Heat Exhaustion



If you show signs and symptoms of heat exhaustion, it's important to immediately get out of the heat and rest in an air-conditioned environment. If you do not have immediate access to such place, try to find the nearest cool and shady place. Then drink plenty of non-caffeinated and non-alcoholic beverages. Loosen or remove any tight or unnecessary clothing. As soon as you feel that you are able to stand without fainting, take a cool shower, bath, or sponge bath. If there is no relief within 30 minutes, call your doctor immediately.

To avoid any recurrence of heat exhaustion, you need to keep away from heavy work in high temperatures. So it's best to avoid this until your doctor tells you that it's safe to resume your normal activities.

III. Heat Stroke

Heat stroke is a form of hyperthermia where the body temperature rises dramatically. During extreme heat conditions the body's temperature control system, which produces sweating to cool the body, stops working. The body temperature rises so high that brain damage and death may result if victim is not treated immediately.

Symptoms of heat stroke can sometimes be mistaken for heart attack or other heart conditions. People usually display of heat exhaustion before progressing to heat strokes.



Common symptoms and signs of heat stroke include:

- high body temperature and rapid pulse
- absence of sweat in a hot red or flushed dry skin,
- difficulty breathing and agitation,
- strange behavior with hallucinations,
- disorientation and confusion
- seizure that might lead to coma

Treatment of Heat Stroke:



Heat stroke victims should receive immediate treatment to avoid other complications. While waiting for medical help, you can start cooling down the victim. Get the victim to a cool and shady area. Remove the victim's clothing, and then apply cool water to the skin like spraying with cool water from a garden hose or you can place ice packs under the victim's armpits and groin. You can try to promote sweating and evaporation by

fanning the victim. If the victim is able to drink liquids, have them drink cool water or other cool beverages that do not contain alcohol or caffeine.

It is important to monitor the victim's body temperature with a thermometer and continue cooling efforts until the body temperature drops to 101 to 102 F (38.3 to 38.8 C).

To avoid heat stroke, it is important to exert too much effort during extreme heat conditions. Drink plenty of water and stay inside a cool place.



What to do during Extreme Heat Conditions

1. If your home does not have air conditioning, choose other places you go to get relief from the heat during the warmest part of the day. Schools, libraries, theaters and other community facilities often provide air-conditioned refuge on the hottest days. Air conditioning provides the safest escape from extreme heat.



2. Avoid strenuous work during extreme heat conditions. If needed, you need to change some daily routine to keep yourself from being exposed in this weather temperature. Avoid too much sunshine. Sunburn slows the skin's ability to cool itself. The sun will also heat the inner core of your body, resulting in dehydration. Use a sunscreen lotion with a high sun protection factor (SPF) rating. Extreme heat can quickly overcome the healthiest people, so don't think that you are immune against the effects of extreme heat. When you start feeling the symptoms of any of the effects mentioned earlier, it is best to get out of the heat as soon as possible.

3. Take note of your family members who may be taking medications or have medical conditions that might react negatively to extreme heat conditions. Discuss these concerns with their doctors or any physician. They can advise you about changes to medication or other activities you can do to temporarily relieve the effects of heat and prevent these family members from getting sick.



4. Check on family, friends, and neighbors who do not have proper air conditioning or cooling appliance to combat extreme heat conditions. Elderly persons who live alone or with a working relative might need assistance on hot days. Make sure that they are properly cared and monitored, in a cool and comfortable place.
5. Wear lightweight, light-colored clothing during extreme heat conditions. Lightweight, light-colored clothing reflects heat and sunlight and helps maintain normal body temperature. Cover as much skin as possible to avoid sunburn and

over-warming effects of sunlight on your body. Then try protecting your face and head by wearing a wide-brimmed hat. A hat will keep direct sunlight off your head and face.



6. Discuss extreme heat wave with your family. Everyone should know what to do in the places where they spend time. Some places may not be air conditioned or safe during a heat wave, so plan alternatives. Discussing extreme heat ahead of time will help reduce fear and anxiety, and lets everyone know how to respond.
7. Install window air conditioners snugly. Insulate spaces around air conditioners for a tighter fit. An air conditioner with a tight fit around the windows or wall openings will make less noise and allow less hot air in from the outside.
8. Make sure your home is properly insulated. This will help you to conserve electricity and reduce your home's power demands for air conditioning. Weather-strip doors and windowsills to keep cool air inside, allowing the inside

temperature to stay cooler longer. Use attic fans. If you have a fan installed to vent warm air out of your attic, use the fan to help keep your home cool.



9. Consider keeping storm windows installed throughout the year. Storm windows can keep the heat out of a house in the summer the same way they keep the cold out in the winter.

10. Postpone outdoor games and activities. Extreme heat can threaten the health of athletes, staff, and spectators of outdoor games and activities.



11. Avoid extreme temperature changes. A cool shower immediately after coming in from hot temperatures can result in hypothermia, particularly for elderly and very young people.

12. Stay indoors as much as possible. If air conditioning is not available, stay on the lowest floor, out of the sunshine. Even in the warmest weather, staying indoors, out of sunshine, is safer than long periods of exposure to the sun.



13. Keep heat outside and cool air inside. Close any registers that may allow heat inside. Install temporary reflectors, such as aluminum foil covered cardboard, in windows and skylights to reflect heat back outside.

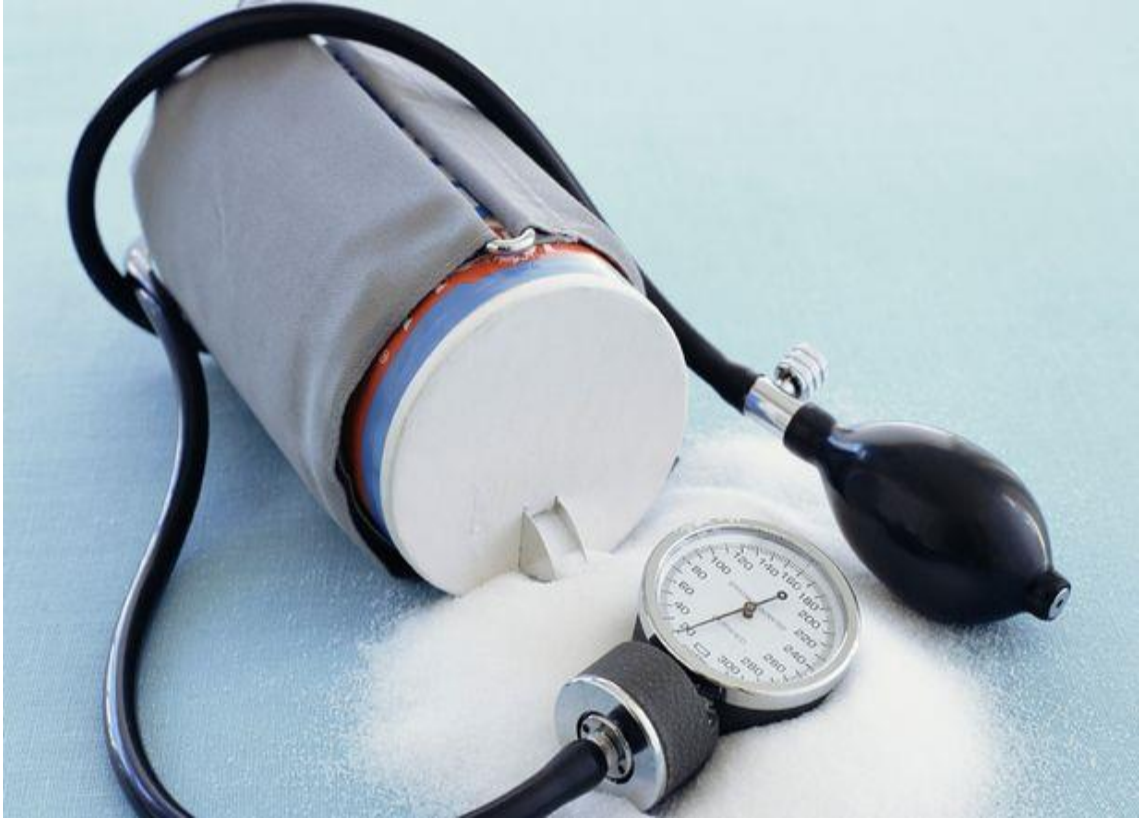
14. Use a buddy system when working in extreme heat. Partners can keep an eye on each other and can assist each other when needed. Sometimes exposure to heat can cloud judgment. Chances are if you work alone, you may not notice this.

15. Drink plenty of water regularly and often. Your body needs water to keep cool. Water is the safest liquid to drink during heat emergencies.



16. Eat small meals and eat more often. Large, heavy meals are more difficult to digest and cause your body to increase internal heat to aid digestion, worsening overall conditions. Avoid foods that are high in protein, such as meats and nuts, which increase metabolic heat.

17. Avoid using salt tablets unless directed to do so by a physician. Salt causes the body to retain fluids, resulting in swelling. Salt affects areas of your body that help you sweat, which would keep you cool. Persons on salt-restrictive diets should check with a physician before increasing salt intake.



18. NEVER leave children or pets alone in closed vehicles. Temperatures inside a closed vehicle can reach over 140 degrees F within minutes. Exposure to such high temperatures can kill in minutes.

Conclusion:

The best way to protect yourself and your family from extreme heat conditions is to avoid it. As they say, prevention is better than the cure. If you are fully prepared for this type of temperature, you can minimize the effects. Staying inside and keeping cool is the surest way to stay healthy during this time. Taking into consideration all the tips that you have learned from this report can save your life. Bear all these in mind when extreme heat conditions strikes.