

The_Silent_Killer_Cold_1994.txt

The Silent Killer
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Have you ever shivered or found it difficult to talk properly in cold weather? Have you ever had problems walking because you were so cold! If your answer is yes, you could have been on the verge of becoming a victim of hypothermia. If the answer is no, you have lucky - so far.

You might ask, "So what? How can I get into trouble in cold weather? I've been outdoors a lot and have never had any problems."

You can get into trouble three ways: becoming injured and unable to get help, getting wet in a rain storm or falling into cold water. The biggest danger from cold weather is hypothermia.

Hypothermia is the total physical and mental collapse that occurs when the vital organs of the human body are chilled. A victim of hypothermia will die unless someone helps them.

Hunters are usually able to cope better with winter conditions than the average person. They're familiar with the outdoors and wear warm clothing including gloves, boots and a hat. They may even carry matches and snack food.

The weather doesn't have to be very cold to cause a problem. Most hypothermia cases occur between 32 and 50 degrees. Few outdoorsmen believe that these mild temperatures can cause trouble. Don't think that hypothermia is a joke; it can kill you.

Body temperature starts to drop when body heat is lost faster than it's replaced. When the temperature of the vital organs, often called the body core temperature, drops to 97

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degrees shivering begins and becomes more violent as the core temperature continues to drop. Shivering consumes a lot of energy, about the same amount you would use to saw wood. Shivering delays hypothermia but you must do something to reduce the heat loss from your body before your energy reserves are fully depleted.

Keep in mind that shivering is a warning that your body's core temperature has dropped and you are on the way to becoming a victim of hypothermia. You must do something quickly to prevent your body temperature from dropping further. Your life is in danger!

At about 92 degrees core temperature, shivering stops and the muscles become rigid. Victims are usually incapable of helping themselves at this point and need assistance to survive. A victim is irrational and can't speak at this stage.

As the body temperature drops further, you enter a stupor and then lose consciousness. When body temperature drops to this point, simple external warming won't correct the problem because the core temperature will continue to drop for some time even after external heat is applied. Then, professional medical help and equipment is required for the victim to survive. One method used is to carefully have the victim breathe hot air that quickly heats the heart and lungs. At a body temperature of about 78 degrees, death occurs.

People have become victims of hypothermia in a matter of minutes. Incapacitating, violent shivering can begin immediately after exposure to extreme cold. For example, a sudden problem occurs after falling into water. If this happens, strip off your clothes and wring out as much water as possible before putting them on again. Then find shelter quickly.

Wet clothing greatly increases heat loss because the insulating qualities of most clothing is lost when wet. Wet clothing causes problems and you don't have to fall in water to get your clothes wet. Rain or perspiration will do the same

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thing, only slower.

Hypothermia is easy to recognize in someone else. It's difficult to recognize in yourself because hypothermia quickly impairs mental capabilities and makes its victim lethargic. A cold body temperature strips you of judgement and reasoning power. You don't realize this is happening. Victims quickly lose the mental and physical capability to help themselves. A person alone must be alert of this danger.

There are four ways to cope with hypothermia: get out of the cold to warm shelter, reduce heat loss by using more clothing or other covering, exercise to increase heat production or eat food to increase your internal heat generation.

The nearest warm place for most people is often a sheltered spot with a fire, but this is not considered by most of us because building a fire to get warm seems like a lot of trouble - or maybe building a fire is admitting you have a problem. Admit you have a problem and build that fire. It can save your life.

The site you choose for a shelter must be out of the wind. Even a slight breeze increases the probability of hypothermia because it lowers the effective ambient temperature.

The next best way to cope with hypothermia is extra clothing or other covering. Have more clothing than you think you need and carry a space blanket. A space blanket costs only a few dollars and occupies little room in your pocket or pack. A space blanket is aluminum foil supported on both sides by flexible transparent layers. The foil reflects your body heat back toward you reducing heat loss.

Perhaps the most essential item of clothing is a headcovering - a hat or a parka or a jacket. About 25 percent of the radiated body heat is dissipated from the head and neck.

Exercise will keep you warm and prevent hypothermia temporarily. However, exercise of any kind drains your energy reserves and exercise vigorous enough to keep you warm will eventually leave you exhausted and unable to continue with

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physical activity.

Exercise also increases heat loss. When a person starts to become chilled the body restricts blood flow to the extremities, which then reduces heat loss. With exercise, normal blood flow is restored to the hands and feet. This increases heat loss, which is what caused your problem in the first place. Exercise is a temporary way to delay hypothermia until you can find another solution.

Eating food helps prevent hypothermia. Digestion generates internal heat and the food provides energy. Eating cold food won't help you if your core temperature has dropped to 94 degrees because your body starts to shut down and digestion doesn't take place.

Carry suitable food with you and eat some at the first sign of a problem. Hot beverages are great to help keep you warm and it's a good idea to bring some along in a Thermos. Otherwise, you can obtain hot water by melting snow. But, it's a slow process to melt snow. It helps to put only a small amount of snow in the pot until you get a layer of water, then add more snow. Don't ever eat snow or ice for your thirst in this situation. It takes a lot of energy for your body to melt the snow and then heat it to body temperature.

Carry special items with you in cool weather. The items should include a space blanket, candles or firestarters, matches, a spoon, instant hot beverage mixes, high energy foods, a whistle and a plastic trash bag. Cut a hole in the trash bag for your head and you have an emergency shelter or instant windbreak. Everything can be carried in a belt pouch or in a pocket.

Carry a Sierra cup or tin can to heat the water or food. A Sierra cup is a small steel container with a wire handle that's a combination pot and cup. A small metal box, such as a Band-Aid box, could carry most of the above items and could then be used as a cup or cooking pot.

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The candles or firestarter make it easier to build a fire because you don't want to struggle to start a fire if you have a problem. The whistle can be heard by a search party over a longer distance than the human voice and it's much easier than shouting.

Granola bars, hard candy, nuts, powdered soups and canned sardines travel well in your pockets for either snacks or emergencies.

When people are in an unusual situation, they often react and do something - anything - and they feel they must do it quickly. The first reaction is hasty and often a mistake. If your unusual situation involves a possibility of hypothermia, a hasty move could be fatal.

Remember, an unprepared person can lose his or her life. But with just a few items in your pocket and a little knowledge in mind, you can be stranded outdoors in reasonable comfort and safety - and - survive.