

Caregiving in
The Comfort of Home®

Caregiver Assistance News

“CARING FOR YOU... CARING FOR OTHERS”

Extreme Heat Can Affect Your Health

Heat is the leading cause of weather-related deaths in the United States. It's important to know why heat can be so dangerous and who is most at risk for heat-related illnesses. Here's what happens inside your body when it gets too hot.

To maintain our internal temperature, our body works to cool itself by moving warmer blood away from our internal organs and cooler blood toward them. Blood flows from the core to the skin to release the heat. You start to perspire. As sweat evaporates, it cools the skin, lowering the temperature of the blood below. That blood then travels back to your internal organs to cool them down.

The body uses these two techniques all the time to maintain its internal temperature, even when you don't feel particularly hot.

One cause of injury during heat waves is people fainting when they stand up because their blood pressure is too low. As the body works harder to stay cool, the need to increase circulation to the skin causes your heart rate to go up and your blood pressure to drop.

Heat can become dangerous starting at temperatures as low as 80 degrees for older adults and people with pre-existing conditions that affect circulation or the sweating

response, such as diabetes. People with cardiovascular issues are especially at risk because of the strain on the heart.

Heat Exhaustion

Heat exhaustion sets in when you have a high internal temperature, generally between 101 and 103 degrees, and usually in combination with *dehydration*. You will start to feel fatigued and, if you're doing an activity, your muscles will tire more quickly. You might also experience nausea, headache, a fast heart rate and shallow breathing.

Heat exhaustion occurs when the body becomes severely dehydrated. If left untreated, it leads to *heat stroke*. If you suspect a person is having a problem with the heat, err on the side of caution and insist they get into shade and cool down.

Signs of Heat Exhaustion

- ➔ Heavy sweating, cold, clammy skin
- ➔ Dizziness or fainting
- ➔ A weak and rapid pulse
- ➔ Muscle cramps
- ➔ Fast, shallow breathing
- ➔ Nausea, vomiting or both



Heat Stroke

Heat stroke occurs when the body reaches an internal temperature of 104 degrees and above. The characteristic of heat stroke is *confusion and delirium* as the brain becomes overheated and starved of oxygen. Blood pressure has often dropped too low for too long, causing internal organs to become deprived of blood and therefore oxygen. The high temperature itself can also cause cell death, leading to organ failure. Some of the most important organs affected by extreme heat are the kidneys, heart, gut and brain. When the body is dehydrated, the brain sends a signal to stop circulating as much blood to the kidneys to avoid losing fluid in the form of urine. When the heart can't keep up with the demand of increased circulation, it also doesn't receive enough blood and becomes deprived of oxygen. This can cause potentially deadly damage.

High humidity can make it seem hotter than it is as the body isn't able to cool itself as effectively through sweating in muggy conditions. Seniors with pre-existing conditions or who takes certain medications might experience heat stress more quickly.

Dehydration

Dehydration occurs when you use or lose more fluid than you take in, and your body doesn't have enough water and other fluids to carry out its normal functions. If you don't replace lost fluids, you will get dehydrated.

This can happen either when a person doesn't drink enough, or when he or she loses large amounts of fluid through diarrhea, vomiting, sweating,

or exercise. A severely dehydrated body no longer has enough fluid to get blood to vital



organs. This can cause *shock*—a life-threatening condition. Because elderly people don't feel thirsty, make a special effort to provide the person in your care with enough fluids. **A person's fluid balance can be affected by medication, emotional stress, exercise, nourishment, general health, and weather.** Dehydration, especially in the elderly, can increase confusion and muscle weakness and cause nausea. Nausea, in turn, will prevent him or her from eating or drinking, causing more dehydration. Seniors are in danger of *dehydration* leading to *heat exhaustion* and *heat stroke*.

Older adults can also become dehydrated because they may:

- Have *kidneys* that do not work well.
- Choose not to drink because of *incontinence*.
- Have *physical problems* that make it hard to drink or hold a glass, find it painful or exhausting to walk to the bathroom, or difficult to communicate.
- Take *medicines* that increase urination.
- Have *minor illnesses* such as influenza, bronchitis or bladder infections. Make sure the person in your care drinks extra fluids when they are not feeling well.

Source: Department of Health and Human Services; Caregiving in the Comfort of Home; New York Times

Taking Care of Yourself— **Laughter is the Best Medicine**

Studies have shown that when patients maintain a positive mental attitude, they respond better to treatment. When used with conventional medical care, laughter can reduce pain and aid the healing process. Laughter offers a powerful distraction from pain because humor allows a person to “forget” about pains such as aches, arthritis, etc.

Many of us feel awkward in joking in front of very ill patients. Some caregivers may even consider it inappropriate or insensitive. But when you can, provide a humorous environment that allows the person in your care and you to “forget” about their condition—if only for a short time.



NOTE - Prevent heat-related illness during a power outage. Seek a place with air conditioning, drink plenty of fluids and take a cool bath or use a wet cloth to stay cool.

Live Life Laughing!

No, I don't have gray hair,
I have wisdom highlights!
I'm just very wise.



Inspiration

Try to be a rainbow in
someone's cloud.
—Maya Angelou

Memory Care - **Dehydration and Dementia**

When a person has dementia, we must be *aware* of the signs of thirst. To help ensure the person in your care is hydrated, offer a glass of water, but stay with the person to make sure they are *actually* drinking it. Offer other liquids the person enjoys, such as juice, decaffeinated tea, milky drinks, smoothies, yogurt and soups.

Caregiving in
The Comfort of Home®

Our Purpose

To provide caregivers with critical information enabling them to do their job with confidence, pride, and competence.

Ordering Info

From the publishers of

*Caregiving in
The Comfort of Home®*

Caregiver Series

available from...

CareTrust Publications LLC
PO Box 10283, Portland, OR 97296
800-565-1533
or www.comfortofhome.com

Comments and suggestions welcome.

©2024 CareTrust Publications LLC.
All rights reserved. Reproduction of any component of this publication is forbidden without a license from the publisher.

Some content in this publication is excerpted from *The Comfort of Home: Caregivers Series*. It is for informational use and not health advice. It is not meant to replace medical care but to supplement it. The publisher assumes no liability with respect to the accuracy, completeness or application of information presented or the reader's misunderstanding of the text.

SAFETY TIPS— Stay Hydrated, Stay Safe

Drinking plenty of water is key to staying healthy in the heat. During hot weather, drink more liquid than your thirst indicates. Increase fluid intake, regardless of activity level. Avoid drinks containing alcohol, caffeine and sugar because they actually cause you to lose *more* fluid. If a doctor limits fluid intake, ask how much fluid to offer. You can usually reverse mild to moderate dehydration by drinking more fluids, but **severe dehydration needs immediate medical treatment.**

- ✓ Keep drinks cool, not cold, which causes stomach cramps.
- ✓ Wear loose clothing which helps air to circulate around your skin, allowing sweat to evaporate and cool your body.
- ✓ Stay out of the sun, but if you are in the sun, wear a hat, sunglasses and sunscreen.
- ✓ Sunburned skin hampers your body's ability to cool off, so take care to avoid burns.

Caregiver Assistance News

“ C A R I N G F O R Y O U ... C A R I N G F O R O T H E R S ”

Q U I C K Q U I Z

Data from the CDC shows extreme heat is the deadliest natural disaster in the US—1,714 deaths in 2022—more people than from hurricanes, lightning, tornadoes, earthquakes, and floods combined. Answer True or False to the questions below.

1. One cause of injury during heat waves is people fainting when they stand up because their blood pressure is too low.
T F
2. A severely dehydrated body no longer has enough fluid to get blood to vital organs.
T F
3. Heat is the leading cause of weather-related deaths in the United States.
T F
4. Heat exhaustion sets in when you have a high internal temperature, generally between 101 and 103 degrees, and usually in combination with dehydration.
T F
5. The characteristic of heat stroke is confusion and delirium as the brain becomes overheated and starved of oxygen.
T F
6. Dehydration occurs when you use or lose more fluid than you take in, and your body doesn't have enough water and other fluids to carry out its normal functions.
T F
7. Older adults always feel thirsty.
T F
8. A person's fluid balance can be affected by medication, emotional stress, exercise, nourishment, general health, and weather.
T F
9. You can usually reverse mild to moderate dehydration by drinking more fluids, but severe dehydration needs immediate medical treatment.
T F
10. To help ensure the person in your care is hydrated, offer a glass of water, but stay with the person to make sure they are *actually* drinking it.
T F

Name _____

Signature _____ Date _____