Health & Wellness Tips

Why Water Is An Issue

The human body, is made up of between 55 and 75 percent water (lean people have more water in their bodies because muscle holds more water than fat). Other water facts include

- •: Your brain is 75% water
- Your bones are 25% water
- Your blood is 83% water

Getting enough water helps reduce your risk of kidney stones, keeps joints lubricated and prevents or reduces the severit y of colds and flu.

Water is needed for every single body function. Lack of water is dehydration. Dehydration is characterized by thirst, fatigue, headache, dry mouth, little or no urination, dark colored or strong odored urine, muscle weakness, dizziness, lightheadedness. Mild dehydration can make it difficult to concentrate.

Dehydration is caused by using more water than what you drink. You can lose up to 2 cups per day through normal breathing and another 2 cups per day from normal sweating (this does not include exercise or heat induced sweating, which obviously increase sweat secretion).

There are several methods to guide you to adequate water intake. The first method depends on thirst. Drink when you are thirsty and drink until you are satisfied, however for those who no longer have adequate thirst cues, this method may not work. For those who can no longer depend on their thirst cues, 2.0–3.0 liters of water per day should be adequate.

Factors that influence water needs

You may need to modify total fluid intake from these recommended amounts depending on several factors, including how active you are, the climate, your health status, and if you're pregnant or breast-feeding.

- Exercise. If you exercise or engage in any activity that makes you sweat, you'll need to drink extra water to compensate for that fluid loss. Drink 2 cups of water two hours before a long endurance event, for example, a marathon or half-marathon. One to 2 cups of water is also adequate for shorter bouts of exercise. During the activity, replenish fluids at regular intervals, and continue drinking water or other fluids after you're finished. During intense exercise involving significant sweating, for example, during a marathon, sodium is lost in sweat, and you may need a sports drink with sodium rather than just water.
- Environment. You need to drink additional water in hot or humid weather to help lower your body temperature and to replace what you lose through sweating. You may also need extra water in cold weather if you sweat while wearing insulated clothing. Heated, indoor air can cause your skin to lose moisture, increasing your daily fluid requirements. And altitudes greater than 2,500 meters (8,200 feet) also can affect how much water your body needs. Higher altitudes may trigger increased urination and more rapid breathing, which uses up more of your fluid reserves.
- Illnesses or health conditions. Some signs and symptoms of illnesses, such as fever, vomiting and diarrhea, cause your body to lose extra fluids. To replace lost fluids, drink more water or oral rehydration solutions (Gatorade, Powerade, CeraLyte, others). When water loss can't be replaced orally, intravenous water and electrolytes may be necessary. Increased water intake is nearly always advised in people with urinary tract stones. On the other hand, you may need to limit the amount of water you drink if you have certain conditions that impair excretion of water such as heart failure and some types of kidney, liver, adrenal and thyroid diseases.

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• Pregnant or breast-feeding. Women who are pregnant or breast-feeding need additional water to stay hydrated and to replenish the fluids lost, especially when nursing. The Institute of Medicine recommends that pregnant women drink 2.3 liters (nearly 10 cups) of fluids a day and women who breast-feed consume 3.1 liters (about 13 cups) of fluids a day.

Beyond the tap: Many sources of water

You don't need to sip from your water bottle all day to satisfy your fluid needs. Your diet, including the beverages you drink, can provide a large portion of what you need. In an average adult diet, food provides about 20 percent of total water intake. The remaining 80 percent comes from beverages of all kinds.

Fruits and vegetables - besides being good sources of vitamins, minerals and fiber - contain lots of water. For example, oranges are 87 percent water, and cucumbers are 95 percent water. Milk, juice and other beverages also have large amounts of water. Conversely, dried fruits, nuts, grain products and baked goods generally contain less water.

Make it count: Meet your water needs through food and beverages

Alcohol – such as beer and wine – and caffeinated beverages – such as coffee, tea or soda – can contribute to your total fluid intake. But your best beverage is still water. Water is calorie–free, inexpensive when drawn from a faucet or fountain, and readily available in and out of your home.

Thirst not always a reliable gauge

If you're healthy and not in any dehydrating conditions, you can generally use your thirst as an indicator of when to drink water. But thirst isn't always an adequate gauge of your body's need for fluid replenishment. The older you are, the less you're able to sense that you're thirsty. And during vigorous exercise, an important amount of your fluid reserves may be lost before you feel thirsty. So make sure that you're sufficiently hydrated before, during and after exercise.

Increased thirst and increased urination, both in volume and frequency, can be signs and symptoms of diabetes. With diabetes, excess blood sugar (glucose) in your body draws water from your tissues, making you feel dehydrated. To quench your thirst, you drink a lot of water and other beverages and that leads to more frequent urination. If you notice unexplained increases in your thirst and urination, see your doctor. It may not necessarily mean you have diabetes. It could be something else. And some people consume large amounts of water and experience increased urine output not associated with any underlying disease.

Diabetes - Staying safely hydrated

Make a conscious effort to keep yourself hydrated and make water your beverage of choice. Nearly every healthy adult can consider the following:

- Drink a glass of water with each meal and between each meal.
- Take water breaks instead of coffee or tea breaks.
- Substitute sparkling water for alcoholic drinks at social gatherings.

If you drink water from a bottle, thoroughly clean or replace the bottle often. Every time you drink, bacteria from your mouth contaminate water in the bottle. If you use a bottle repeatedly, make sure that the bottle is designed for reuse. To keep it clean, wash your container in hot, soapy water or run it through a dishwasher before refilling it.

Though uncommon, it's possible to drink too much water. Drinking excessive amounts can overwhelm your kidneys' ability to get rid of the water. This can lead to hyponatremia, a condition in which excess water intake dilutes the normal amount of sodium in the blood. People who are older, who have certain medical conditions such as congestive heart failure and cirrhosis, or who are taking certain diuretics are at higher risk of hyponatremia.

Source: Mayo Clinic, 2011