

Water Storage, Filtration & Purification

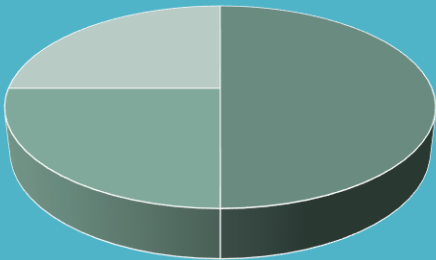


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Store Water?

Emergency Water Use



■ Drinking ■ Cooking ■ Washing

Number of People
x Daily Amount of Water
x Number of Days =
Gallons of Water Needed

Why?

You can only live 3 days without water.

It can take 2 weeks to get water and supplies in after a disaster.

How Much?

1 gallon per person per day
MINIMUM (3-5 gallons preferred)

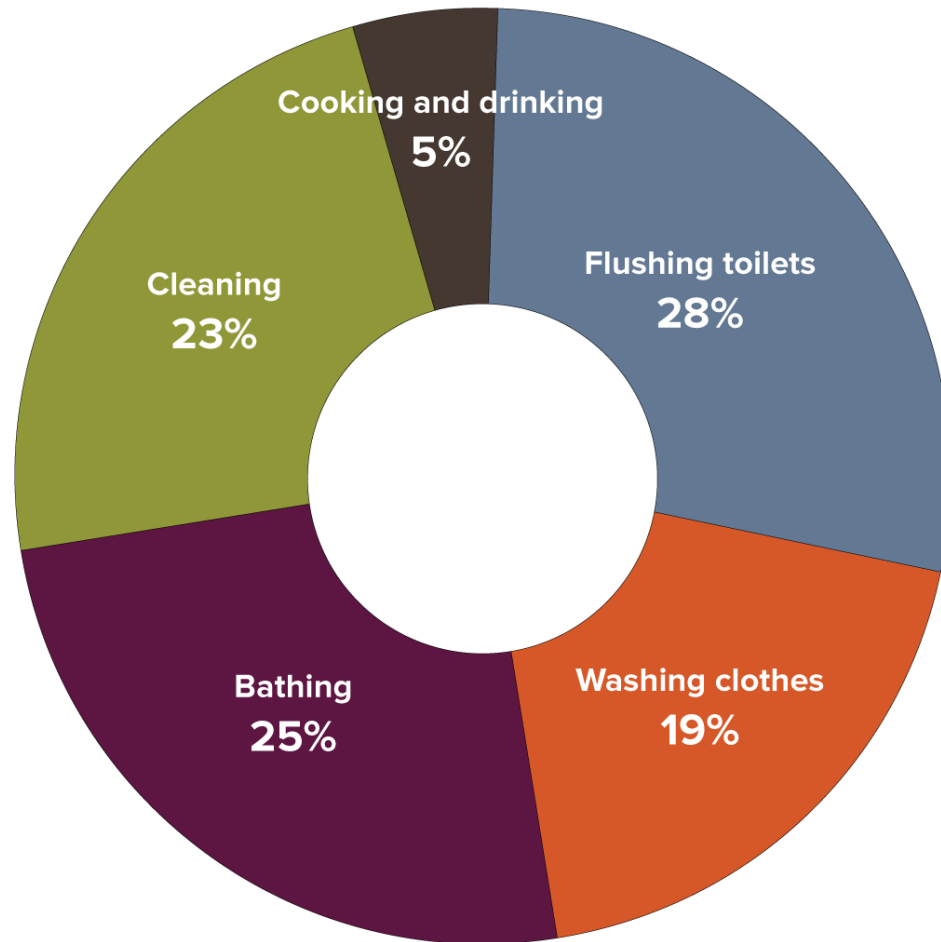
14 Days of Stored Water
MINIMUM

The REAL Challenge?

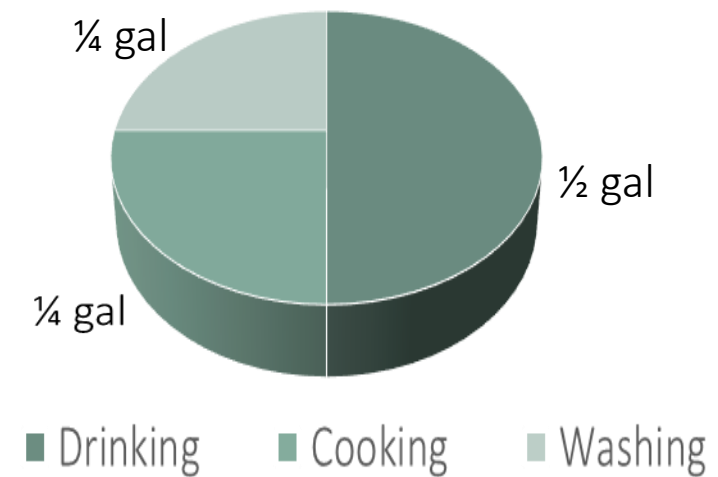
Living on only a MINIMUM of water each day!

Going from This to That!

HOUSEHOLD WATER USE



Emergency Water Use





Storage Containers

What Can I Use to Store Water?

Why Would I Need a Variety of Containers?

“If it held something you would consume, it’s probably safe for water storage.”

Storage Space

WHERE WILL I PUT IT ALL?

Cool, Dark, Dry place

Away from Solvents, Gasoline,
Paint Thinners, Household
Cleaners



HIDDEN SOURCES OF WATER

Hot Water Tanks

Pipes

Ice Cubes

Liquid from
canned goods

Toilet Flush Tank

Pool?



Shelf-Life of Water

WHAT COULD MAKE YOU SICK?



WHAT MAKES WATER SAFE TO DRINK?



Getting Rid of Contaminants

PURIFICATION – KILLING CONTAMINANTS

- Boiling
- Chlorine
- Iodine
- UV Light
- Solar Pasteurization



FILTRATION – SEPARATING CONTAMINANTS

- Distillation
- Settling
- Straining
- Activated Carbon
- Reverse osmosis

CDC Recommends

Accessible version: <https://www.cdc.gov/healthywater/emergency/making-water-safe.html>

Make Water Safe During an Emergency

Tap water may not be safe to drink during an emergency; listen to your local authorities. Use bottled water if possible. If not, use one of the methods below to make it safe. Boiling works best. Water contaminated with harmful chemicals or toxins cannot be made safe by boiling or disinfection.

BOIL

This method will kill bacteria, viruses, and parasites.



Boil your water for 1 minute.
At elevations above 6,500 feet,
boil for 3 minutes. Let the water cool.

DISINFECT

This method will kill most viruses and bacteria.

Add 8 drops or a little less than 1/8 of a teaspoon of 5%-9% unscented household bleach to 1 gallon water.
For cloudy tap water, use 16 drops or 1/4 teaspoon.



Add bleach to water.



Mix well.



Wait at least 30 minutes before using.

FILTER

This method can remove parasites.

Most portable water filters do not remove bacteria or viruses. Choose a water filter labeled to remove parasites, and follow manufacturer's instructions.



U.S. Department of
Health and Human Services
Centers for Disease
Control and Prevention

Learn more:

<https://www.cdc.gov/healthywater/emergency/making-water-safe.html>

CDK10000-01

If You Run Out of Water, What Do You Do?



Where To Get Water



Tips to Reduce Water Use

Foods Rich in Water

Watermelon



Celery



Cucumber



Tomato



Pineapple



Cantaloupe



Blueberries



Grapefruit



Lettuce



Pear



Use Water for More Purposes

What did you learn?

What is your next step in preparation?

Questions?

