

Water Storage

... life-sustaining, yet oft overlooked. The World Health Organization (WHO, 2013) suggests using new food-grade water storage containers or PET plastic soda bottles, because of these benefits:

1. Easy to clean.
2. Durable and strong.
3. Narrow opening to minimize external contamination.
4. Stable base to prevent tipping.
5. Tight-fitting lid.

Tip: Fill containers from faucet or lead-free hose.

Steps to **store water** in plastic soda bottles:

1. Wash thoroughly in hot, soapy water.
2. Sanitize by swishing with 1 teaspoon fresh,* unscented, 6% chlorine bleach in 1 quart water.
3. Rinse thoroughly.
4. Fill with treated tap water.
5. Store in a cool, dry, dark place.
6. Fill an apple box with 12 2-liter bottles and stack boxes.

1 apple box holds over 6 gallons, enough for 6 days for 1 person. Can grab 1 and take with you. (Each 2-liter bottle weighs 4.41 lbs.)



***Fresh bleach**—Less than a year old, if stored at room temperature. Chlorine degrades with time.

Utah State University Cooperative Extension handout, "Water: Storage and Emergency Use" (March 2010) says **water** should have an **indefinite shelf life** if stored correctly. Do not store directly on cement or near gasoline, kerosene, pesticides, or similar substances. Assess every 6 months for shrinkage, leakage, cloudiness, algae, etc. and replace as needed.

Protecting those we love by:

1. Making **plans**.
 - Safe locations in each room
 - Evacuation routes
 - Family meeting places
 - Out-of-state contacts
 - Special needs (infants, pets, medical)
2. Preparing **documents**.
 - Contacts and phone numbers
 - Identification
 - Prescriptions
 - Pet information
 - Insurance policies
 - Medical consent forms for dependents
3. Organizing **supplies**.
 - Gathering/purchasing
 - Strategic locations
4. Learning/practicing **skills**.
 - Self-protective actions
 - Fire suppression
 - First aid/CPR/AED
 - CERT
5. Safeguarding **finances**.
 - Insurance
 - Emergency funds
 - Budgeting for expenses
6. Mitigating **homes/businesses**.
 - Securing contents
 - Structural adjustments
 - Landscaping—fire, flood, crime



Interrupted water service?



What would your family do?



... making **preparedness** a lifestyle to protect what we value.

Desired outcome: Save lives and property.

The **Fire Safety Museum** of the Taipei Fire Department is the only known museum in the world teaching the public to prepare for disasters, like earthquake, fire, typhoon, etc.

The Disaster Safety Museum, Inc. is a federally recognized **501(c)3 nonprofit** formed to create and operate the Disaster Discovery Center (DDC).



DDC 801-553-8117

www.disasterdiscoverycenter.org

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The Need

1. Lifesaving **preparedness information** is not common knowledge and myths abound.
2. **Vast amount** of information is daunting.
3. **Conflicting** recommendations are confusing.
4. Hands-on practice develops **muscle memory** supporting instinctive disaster response.
5. **Best practices** change over time.

Did you know ... The 30/30 **lightning** rule recommended in 1998 changed to "When thunder roars, go indoors!" on June 24, 2014, because lightning can occur 10 miles from rainfall.

The Disaster Discovery Center

... bridging the gap between citizen preparedness and what emergency management experts know.



Our Vision

A confident and cooperative community that prepares for and responds positively in a disaster situation.

Our Mission

Connecting people of all ages with empowering experiences that inspire disaster preparation through:

- Entertainment
- Discovery
- Hands-on learning
- Quality resources

Empowering the Public

1. **Engage** audiences through recreational platforms and education.
2. **Learn** through modeling and information.
3. **Practice** using hands-on experiences.
4. **Prepare** personalized preparedness plans and supplies.
5. **Respond** appropriately in a disaster situation.
6. **Recover** quickly and minimize the impact of the disaster.

A 2006 American Red Cross (ARC) survey found:

- Nearly **60%** of Americans are wholly unprepared for a disaster of any kind.
- **82%** of people would prepare if someone could make it easy for them.

Target Audience

Everyone! All ages.

General public
School field trips
Recreational users
Small businesses
Families
Community groups
Interested planners

Did you know ... A 10-year-old British girl, Tilly Smith, was with her family at a Thailand beach in December 2004 when the tide rushed out. Two weeks earlier in her geography class, she learned the signs of a tsunami. Her warning saved the lives of everyone on that beach.



Building muscle memory while learning CPR at the 2017 Utah Prepare Conference & Expo in Sandy, Utah.

Benefits of the DDC

1. **Simplify** the preparedness process.
2. Serve as a neutral clearinghouse for **accurate**,* current preparedness information.
3. Provide **fun**, interactive experiences.
4. Use **social science** research to help people prepare (rather than the science of disaster, risk, fear, or guilt):
 - Share **specific steps** with their benefits.
 - Link what people **value** to their desire to safeguard it (e.g., family protection).

*Americans view museums as one of the most **trustworthy** sources of objective information, according to a 2001 public opinion survey.



Promoting Preparedness

1. Teaching **outreach workshops** compiled from 1000+ hours of research:
 - Rebound in 72™: Your Preparedness Plan for Resiliency (2014)
 - Free and Low-Cost Steps to Preparing
 - Fact or Myth? Understanding Disaster
 - Getting Others to Listen and Prepare
2. Creating **hands-on activities** for the annual Utah Prepare Conference & Expo.
3. Participating in preparedness fairs from Cache Valley to Utah County.
4. Gathering data through **surveys** on people's levels of preparedness, favorite Expo activities, and disaster myths:
 - **57%** think bleach needs to be added to treated tap water when filling containers (29% samples with added bleach were over the EPA limit in a 2012 BYU water study).
 - Less than half (**42%**) know to "drop, cover, and hold on" during an earthquake.
5. Creating a permanent **discovery center**.