



Protective Actions are **research-based actions and advice that anyone can take to prepare for, keep safe during, and recover from a disaster.** FEMA has made a substantial effort to validate these Protective Actions. However, this collection of research is not exhaustive. Help us increase the resilience of your community by contributing knowledge and best practices to the existing body of research. Connect with us at FEMA-prepare@fema.dhs.gov.

Preparedness starts with you. A culture of preparedness is built through collaboration with the whole community.

Developing Protective Actions

FEMA develops Protective Actions research by **evaluating peer-reviewed articles, determining messaging, and identifying key actions** that can **reduce harm** and **save lives**. After FEMA develops Protective Actions messaging, it collaborates with hazard-specific subject matter experts who provide expert review. FEMA has completed an assessment of more than **380 Protective Actions** based on **275 research studies** and articles by subject matter experts covering 12 hazards and threats.

Before

A little preparation now can make a big difference later. Learn what preparedness actions to take now to protect yourself in case of an emergency.

During

Each emergency is different and may require different actions to keep you and your family safe. Learning what to do during an emergency can help you and your family to stay safe during an emergency.

After

Recovery from a disaster can take time. Get the information you need to help you and your family in the aftermath of an emergency.

People who **have read, seen, or heard preparedness information** are more likely to prepare. In 2020, **47 percent** of people had read, seen, or heard information about how to prepare and **68 percent of households** had taken three or more preparedness actions.

Explore



Browse and search for information about various natural and human-induced hazards.

Learn



Research the Protective Actions you can take Before, During, and After a hazard.

Share



Spread the word and help others prepare!

Protective Actions Research



Expand your knowledge about the best ways to prepare for, keep safe during, and recover from disasters.



Get information to help **develop individualized messaging** for specific disaster scenarios.



Read the research behind FEMA's Protective Actions and Ready.gov messaging.



Cite and reference FEMA's transparent, open Protective Actions research.



Contribute to the preparedness research conversation by using the "Contact ICPD" button to share research, questions, and articles.



Collaborate with FEMA by researching the recommended research questions.

Using the Protective Actions Research Site

Hazards and Threats

Click the icons to learn more about how you can prepare for a hazard or threat. Each page has information to help you understand your risk and the key protective actions you can take.



Validation Tables

Each page has a spotlight that shows the validity rating of the Protective Action. This is determined by the number of studies, quality, relevance, and consistency of available research.

Robust/Sufficient

Not Robust/Conditional

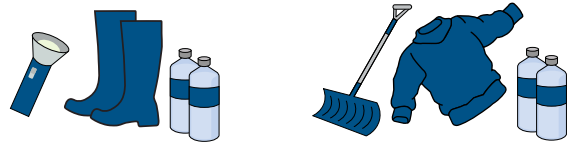
Insufficient

Topics Catalog Section

Compare Protective Actions guidance across different hazards and threats.

Hurricane | Supplies

Winter Storm | Supplies



Login for Recommended Research

Join the disaster preparedness research conversation by logging in to see all Recommended Research in one table. These recommendations can also be found on individual Protective Actions pages.

Search by keyword.

Get more information on Protective Actions at community.fema.gov/ProtectiveActions.

Contribute to the preparedness research conversation by emailing ICPD at FEMA-Prepare@fema.dhs.gov to share research, questions, and articles.