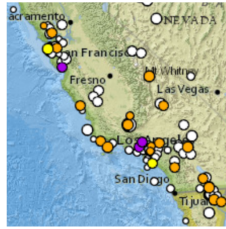


Earthquakes



Do You Live In An Earthquake Zone?

The San Andreas Fault runs up California's coast from Los Angeles through San Francisco. Earthquakes along this fault are very common.

Earthquake Facts

✓ Magnitude

Earthquake magnitudes are measured on a logarithmic scale called the Richter Scale. (1-10)

✓ Destruction

The damage done by earthquakes is measured by the Mercalli Scale. (1-12)

✓ Frequency

In California, earthquakes are a daily occurrence. Most go unnoticed which can foster a sense of false complacency.

✓ Aftershocks

Earthquakes are almost always followed by a series of smaller earthquakes called "aftershocks."

✓ Causes

Earthquakes are most common along convergent and transform plate boundaries and fault lines.

✓ Effects

Earthquakes can cause fires, power outages, fallen buildings, and broken pipes.

What to do?

If you live in an at-risk area then there are steps you can take to prevent an earthquake from becoming a disaster to you and your family.



70%

More than 70% of the Californians live near an active fault

Before the Earthquake

During and After the Earthquake

✓ Food and Water Storage

Make sure that you have enough non-perishable food and water to feed your house for 4-5 days.

✓ Protect Yourself

Door frames and strong desks/tables provide the best cover from falling debris. Make sure to cover your neck and head. Move away from trees and windows.

✓ Communication

Have a satellite phone and emergency two-way radios in case cell towers and landlines are down.

✓ Health Check

Check on the condition of everyone with you and make sure there are no life-threatening injuries. Apply first aid wherever necessary.

✓ Shelter and Heat

Have a tent and blankets to keep warm in case evacuation is not possible and weather conditions are poor.

✓ Establish Communication

Use emergency radios to let response teams know your location and condition. Also, make sure to listen to emergency broadcasts for any new information about aftershocks.

Sources: 1. <https://maps.ngdc.noaa.gov/viewers/hazards/> 2. <https://www.ready.gov/earthquakes> 3. <https://www.conservation.ca.gov/cgs/Pages/Earthquakes/earthquake-faq.aspx> 4. <https://www.cdc.gov/disasters/foodwater/facts.html>