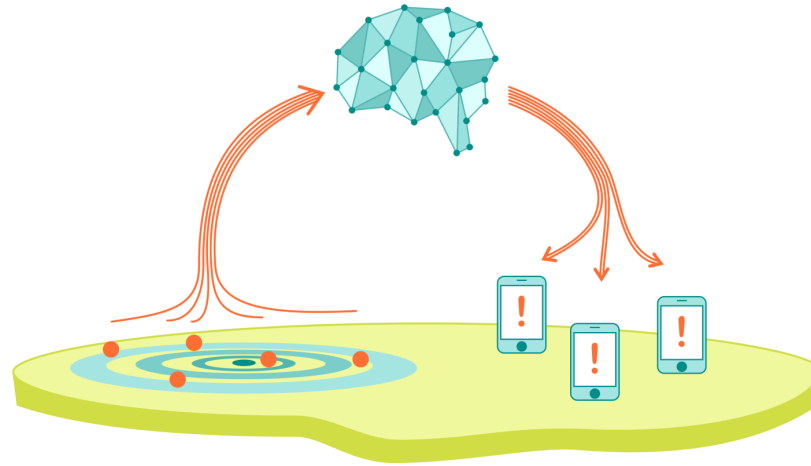




# MyShake



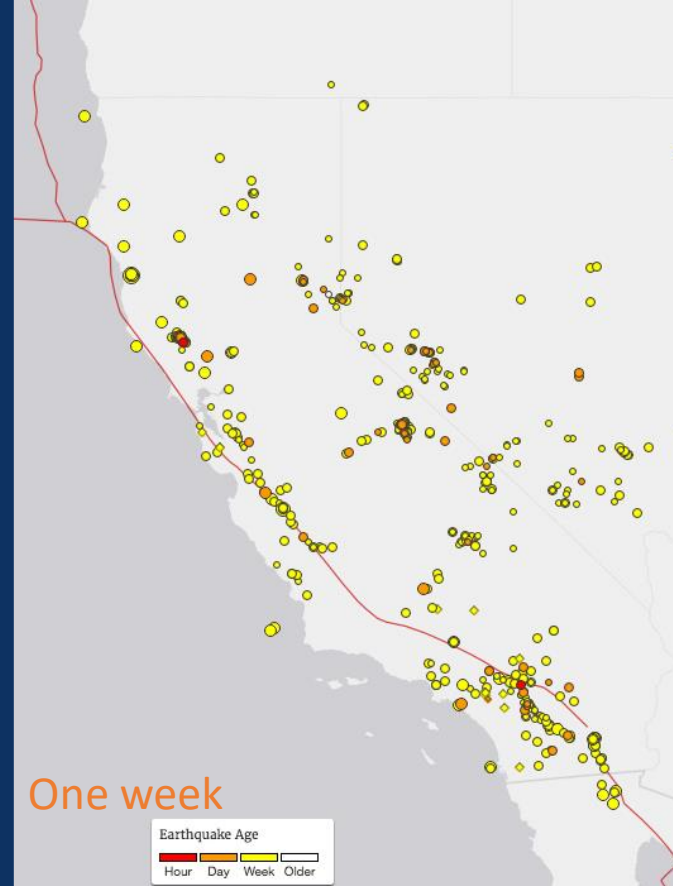
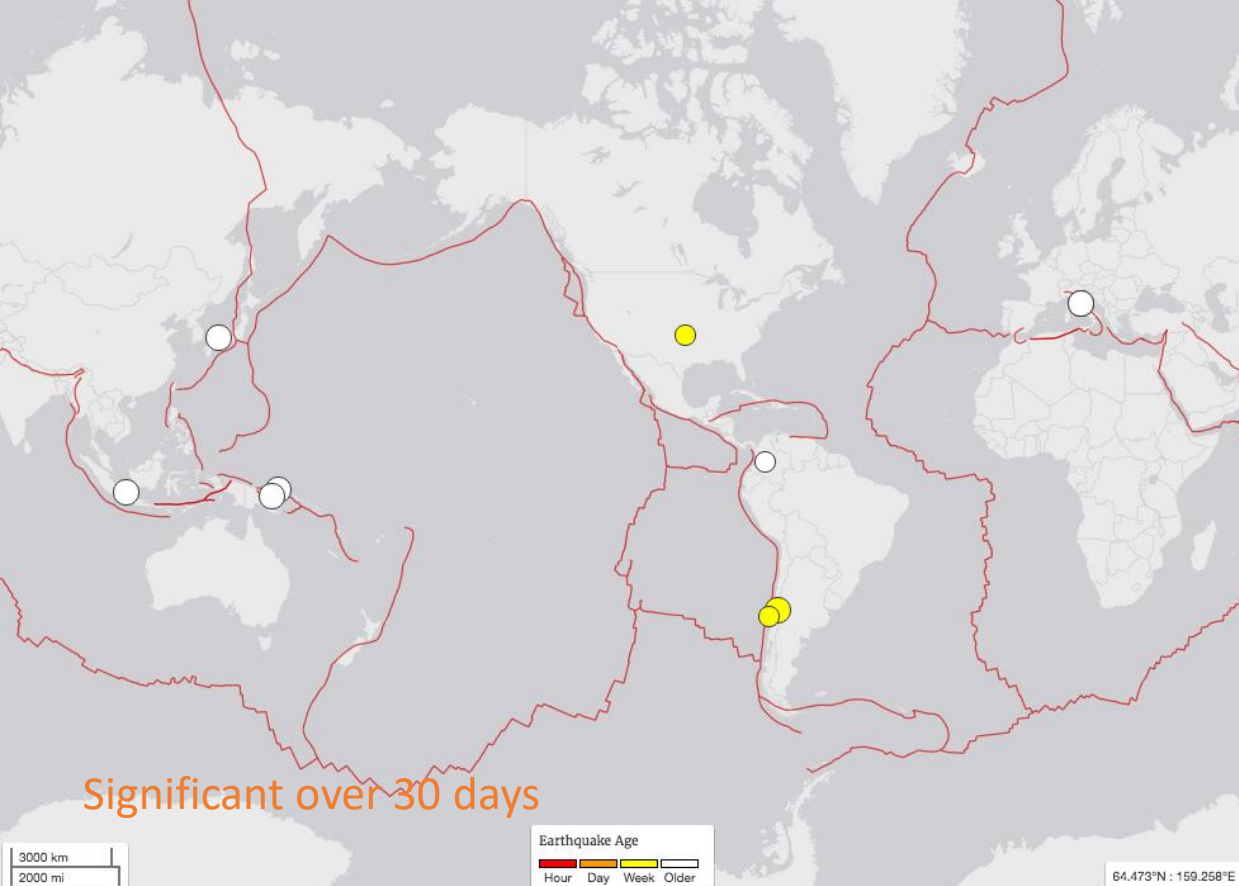
How to stay informed about Bay Area earthquakes

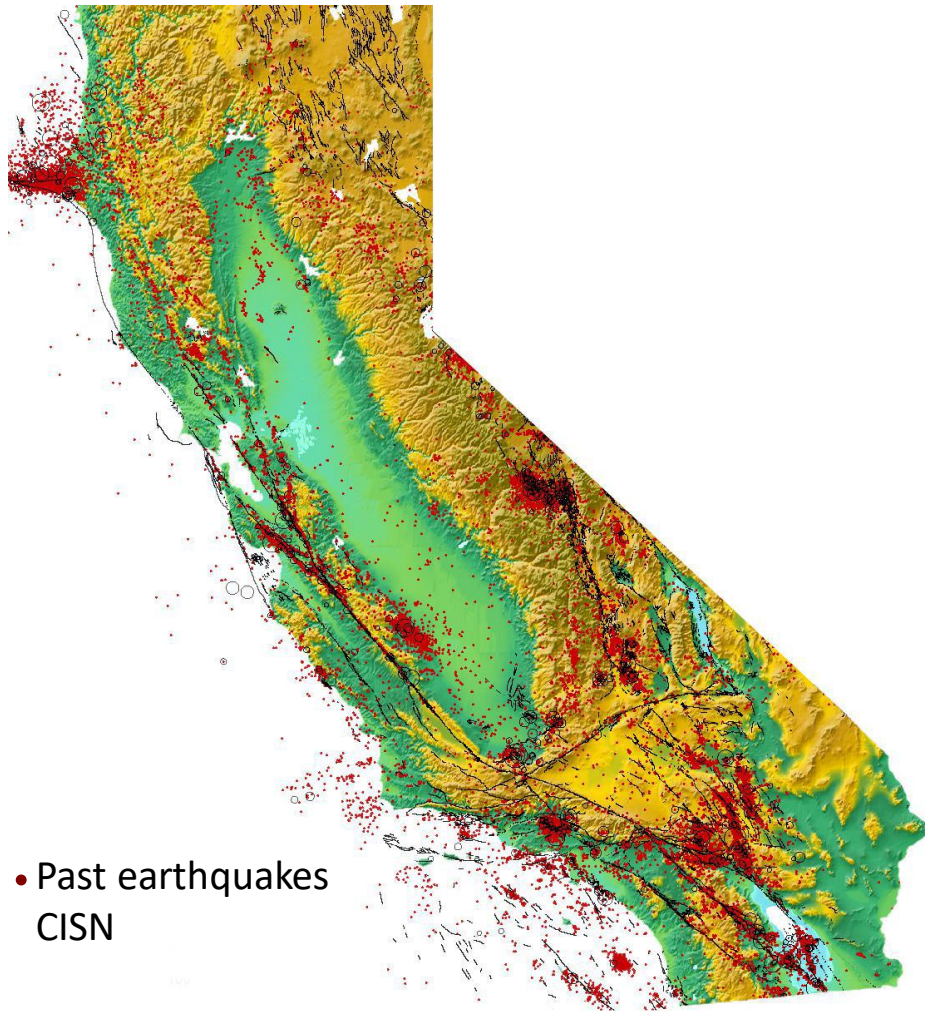
Jenn Strauss  
Product Manager



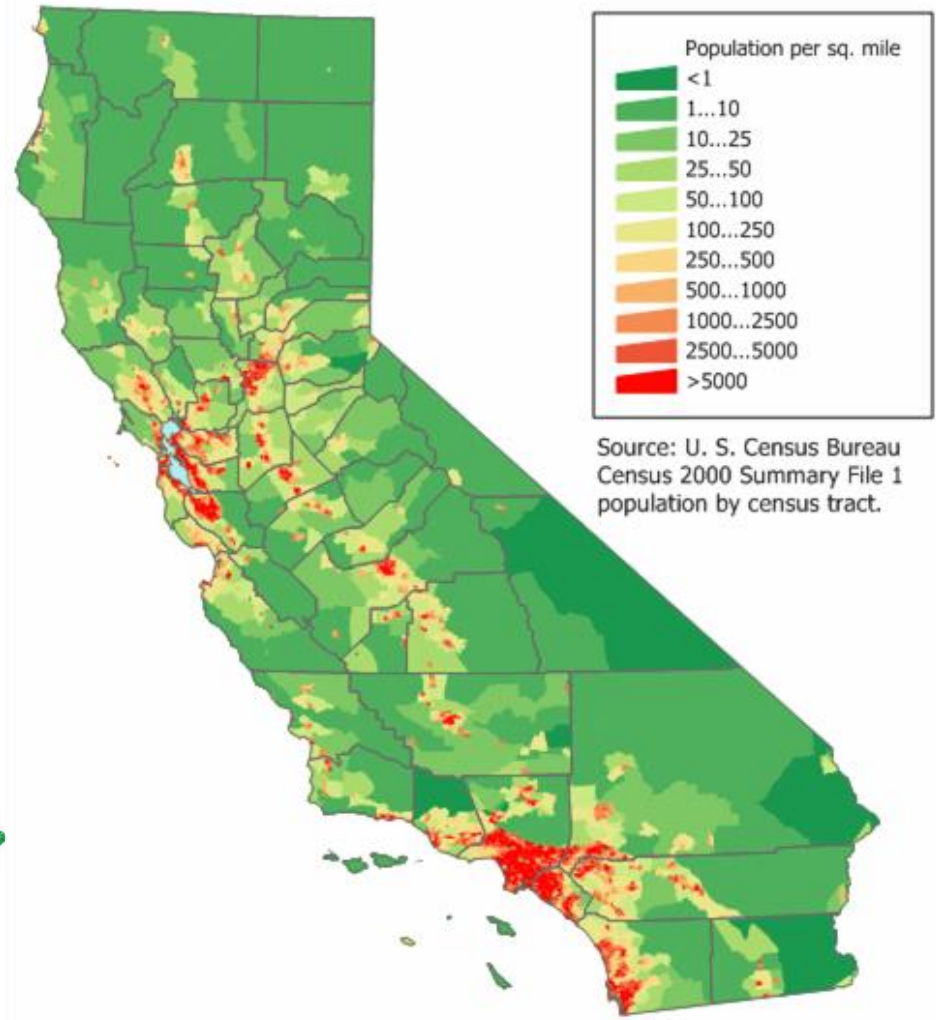


What does it mean to  
'live in earthquake country'?

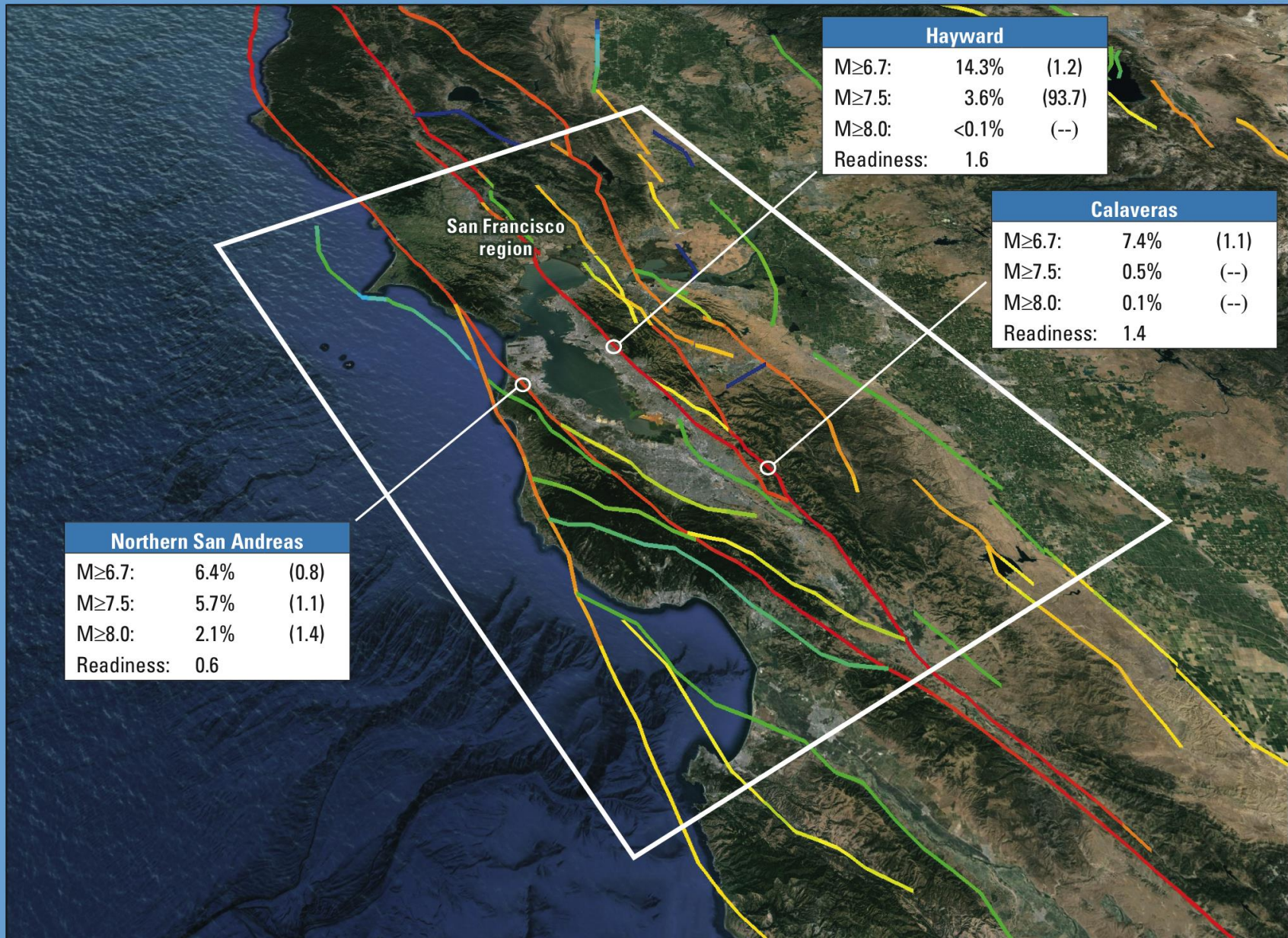




• Past earthquakes  
CISN



Source: U. S. Census Bureau  
Census 2000 Summary File 1  
population by census tract.

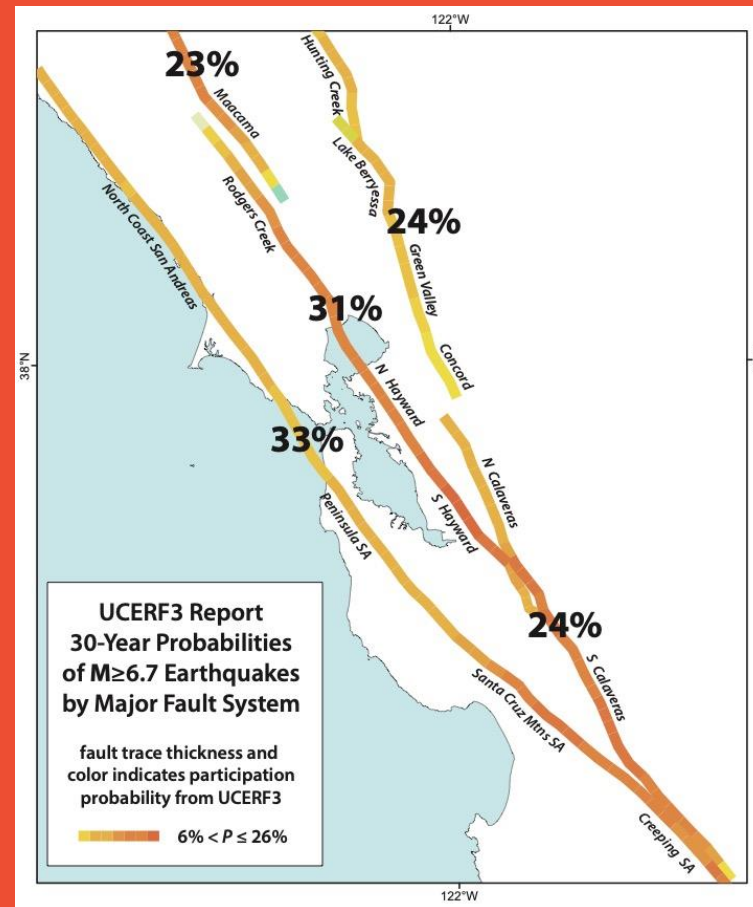


Map data: Google™ Earth  
 Data SIO, NOAA, U.S. Navy, NGA, GEBCO  
 Image Landsat  
 Data LDEO-Columbia, NSF, NOAA  
 Data MBARI

**Figure 4.** Likelihood of magnitude 6.7 or greater earthquakes in the next 30 years, from 2014, on the faults near San Francisco, Calif.

# Risk summary

- 30-year outlook
- Magnitude vs Intensity
- Building codes are good
- Learn to prepare
- Use more than one tool

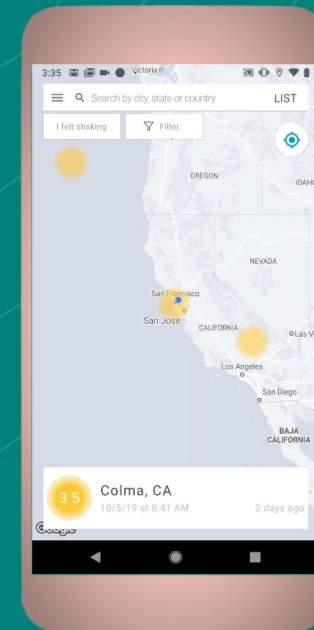




[ABOUT](#) [FAQ](#)

# Earthquake Early Warning now available publicly in California and Oregon

Have earthquake information at your fingertips, see damage reports shared by citizen scientists like you, help us build a global seismic network.



## Quickly understand the impact of an earthquake

See damage and shaking reports submitted by other community members along with information from the USGS and other global earthquake authorities.







## Stay informed

Get notifications about nearby earthquakes and track earthquakes around the globe.

## Share your experience

Felt an earthquake? Share your experience with fellow users and MyShake scientists.





# MyShake

Earthquake detection  
Sensor network

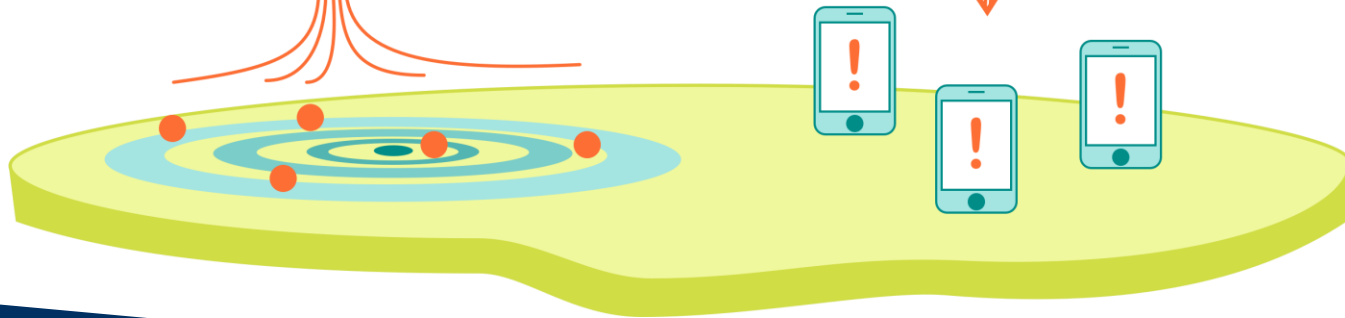
- seismic networks
- smartphones



Powered by  
**ShakeAlert™**

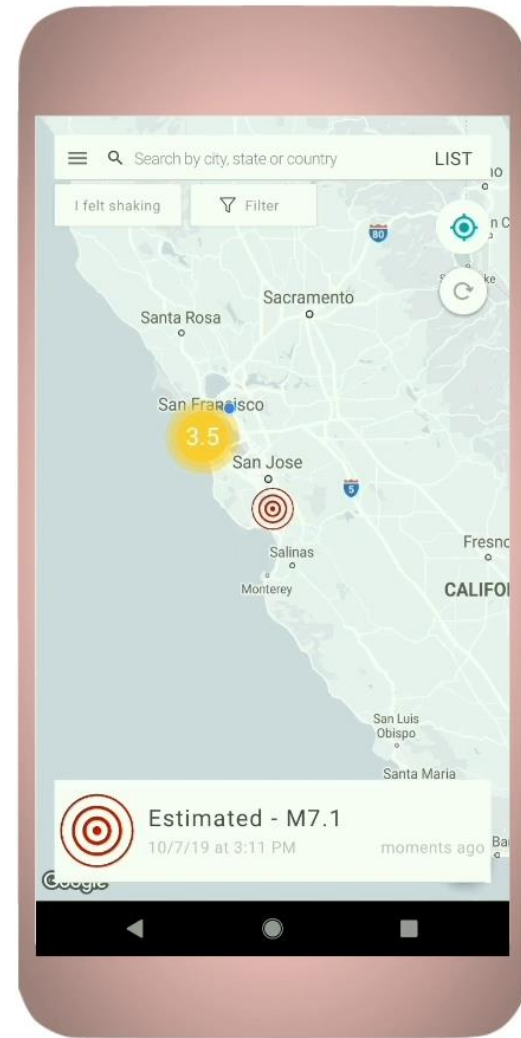
Alert delivery  
network

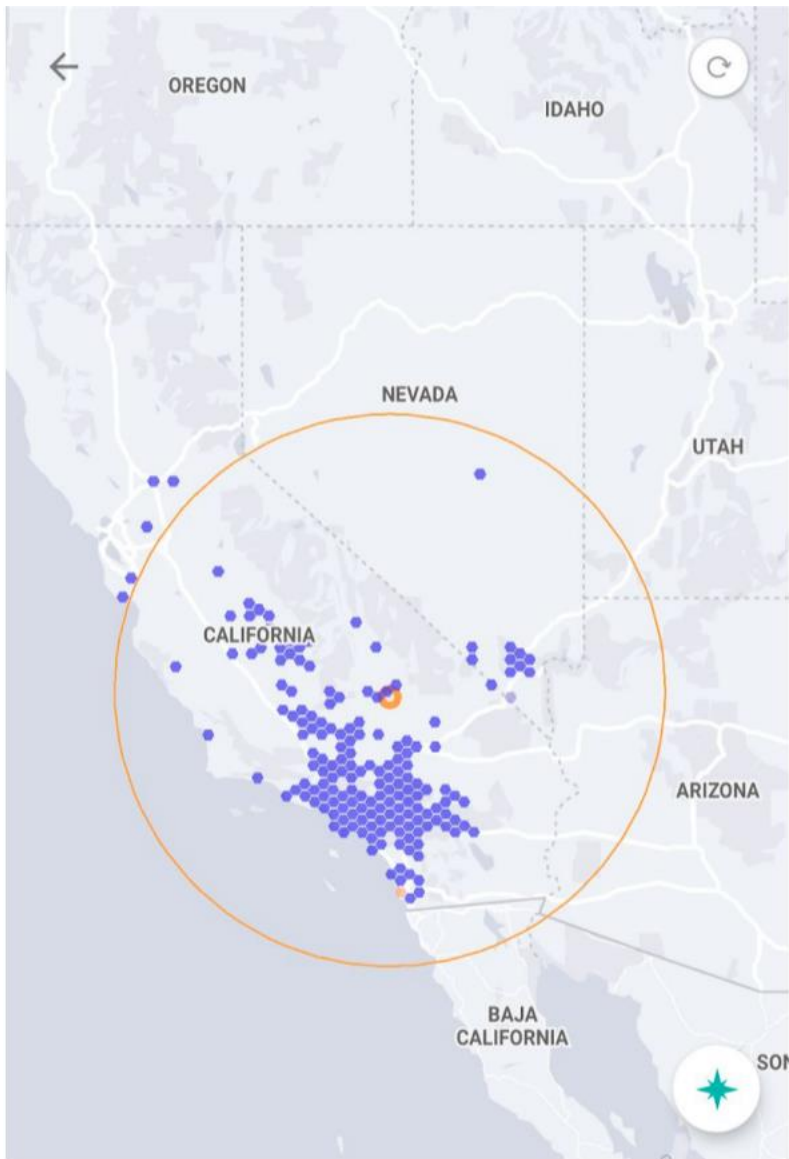
geotargeted  
alerts



# MyShake delivers ShakeAlert™ across California and Oregon

Earthquake alerts provided  
in partnership with  
USGS ShakeAlert™ and CalOES.





5.5

## Searles Valley, CA

2 days ago, 6:32 PM

325 mi away

Share your experience

5.5

## Searles Valley, CA

2 days ago, 6:32 PM

325 mi away

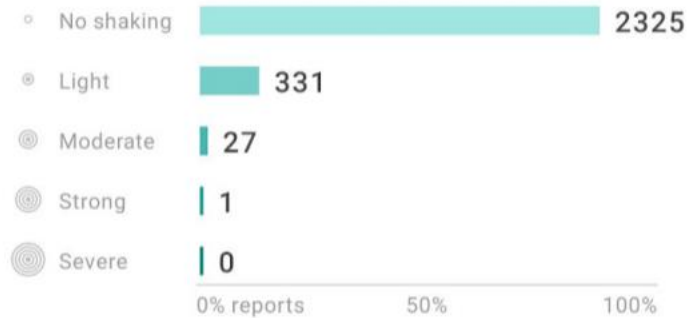
Share your experience



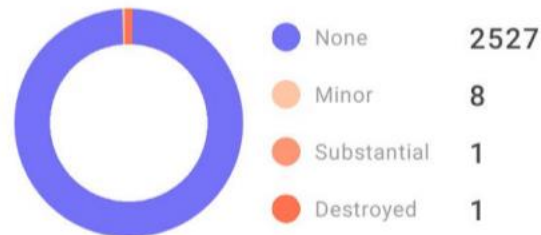
**2684** EXPERIENCE REPORTS ⓘ

Reports by users who experienced the earthquake

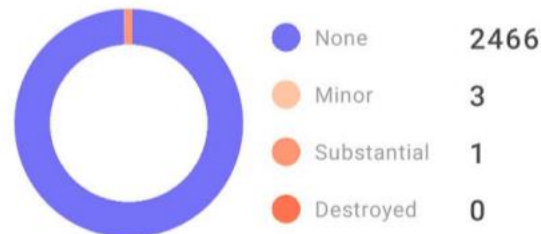
### SHAKING STRENGTH



### BUILDING DAMAGE



### ROAD DAMAGE



# The MyShake team



Richard Allen  
PI



Jenn Strauss  
Product manager/PI



Sharon Pothan  
UX Designer



Sarina Patel  
PhD student



Theron Bair  
Sys Admin



Stephen Thompson  
Lead Sys Admin



Steve Allen  
Frontend Dev



Akie Mejia  
Backend Dev

## At Home

- Protect your head and take shelter under a table
- Don't rush outside
- Don't worry about turning off the gas in the kitchen



## In Public Buildings

- Follow the attendant's instructions
- Remain calm
- Don't rush to the exit



# Earthquake Early Warning: Dos & Don'ts

## When Driving

- Don't slow down suddenly
- Turn on your hazard lights to alert other drivers, then slow down smoothly
- If you are still moving when you feel the earthquake, pull over safely and stop

**Remain calm, and secure your personal safety based on your surroundings!**

After seeing or hearing an Earthquake Early Warning, you have only a matter of seconds before strong tremors arrive. This means you need to act quickly to protect yourself.



- Look out for collapsing concrete-block walls
- Be careful of falling signs and broken glass
- Take shelter in a sturdy building if there is one close enough

## Outdoors



## On Buses or Trains

Hold on tight to a strap or a handrail



## In Elevators

Stop the elevator at the nearest floor and get off immediately



## Near Mountains/Cliffs

Watch out for rockfalls and landslides

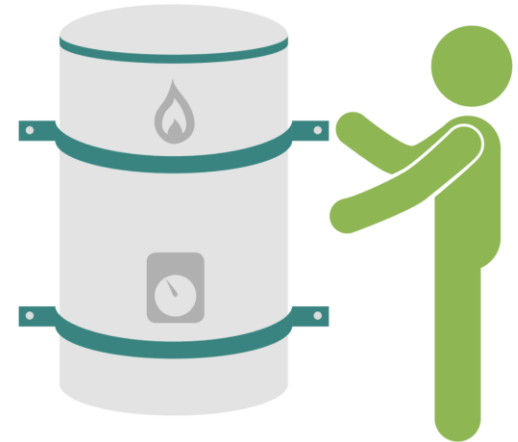


# What can you do with an early warning?

Source: Seismological Research Letters

# SECURE YOUR SPACE

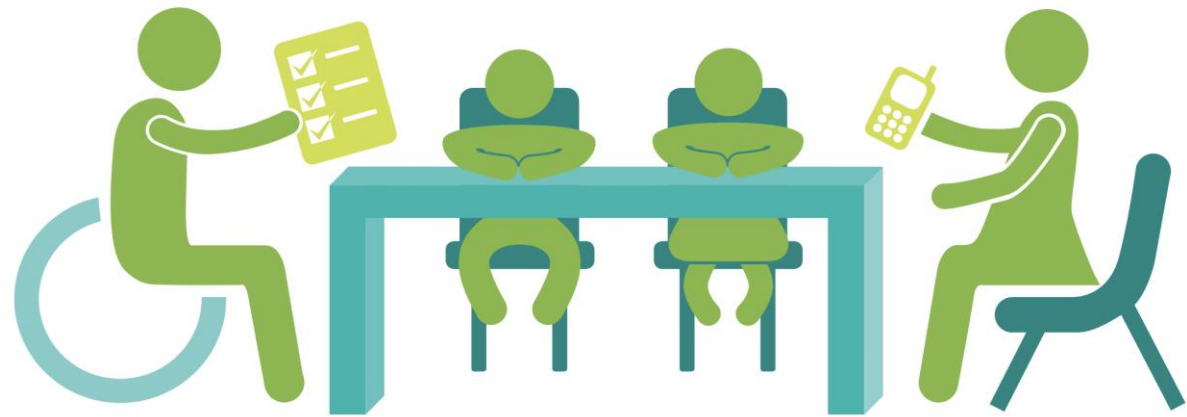
IDENTIFY HAZARDS AND  
SECURE OBJECTS





# MAKE A PLAN

WHERE TO MEET, HOW TO  
COMMUNICATE, WHEN TO  
RECONNECT WITH WORK



# ORGANIZE SUPPLIES

72 HOURS OF FOOD,  
WATER, MEDICINE, CASH



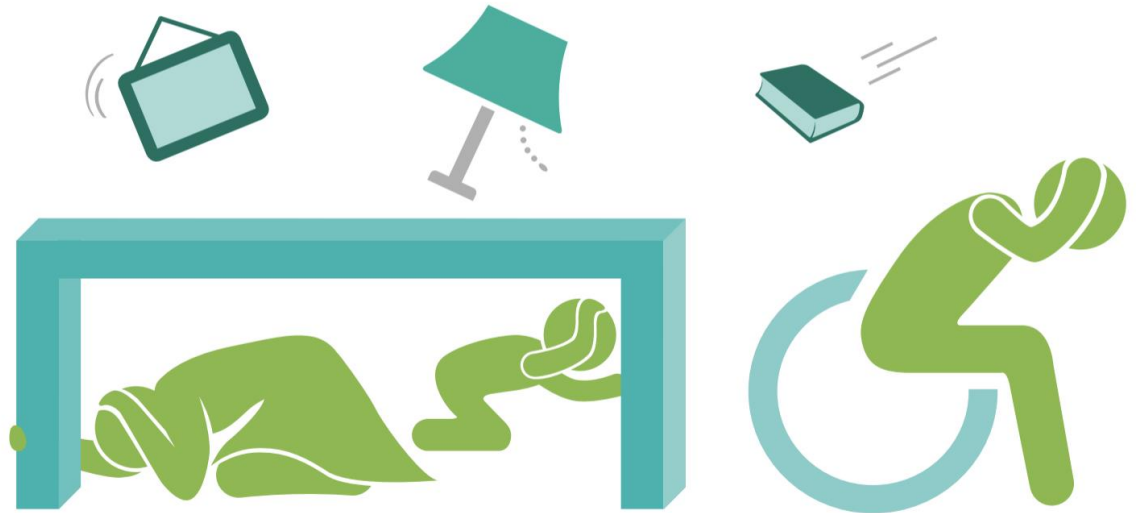
# SECURE YOUR AFFAIRS

COPIES OF DOCUMENTS,  
RETROFIT, INSURE



# DROP, COVER, HOLD ON

WHEN THE EARTH SHAKES





**GO TO HIGH GROUND OR INLAND!**

The Shaking is Your Tsunami Warning



**STAY THERE!**

Tsunami Waves May Arrive for Hours

# IMPROVE SAFETY

EVACUATE, HELP OTHERS



# RECONNECT RESTORE

TOGETHER WE CAN  
RECOVER





# Thank You

[jastrauss@berkeley.edu](mailto:jastrauss@berkeley.edu)  
[www.myshake.berkeley.edu](http://www.myshake.berkeley.edu)

**Berkeley**  
UNIVERSITY OF CALIFORNIA