

# Making Your Great ShakeOut Earthquake Drill Accessible to People With Disabilities

Pacific ADA Center Webinar October 8, 2015





#### What we will cover today

- An overview of Great Shakeout Earthquake Drills: mission, resources, and how to participate
- Learn how to conduct a Shakeout drill that is inclusive of people with access and functional needs.
- Understand the importance of whole community involvement in planning local community disaster preparedness events.

#### **Goal and Purpose**

- Raise awareness <u>of and for</u> people with disabilities and others with access and functional needs within our communities
- Improve community resilience through inclusion and participation in the Great ShakeOut
- Foster collaboration between emergency management preparedness, planning, response and recovery efforts and seniors and people with disabilities / access and functional needs.

#### **Mark Benthien**

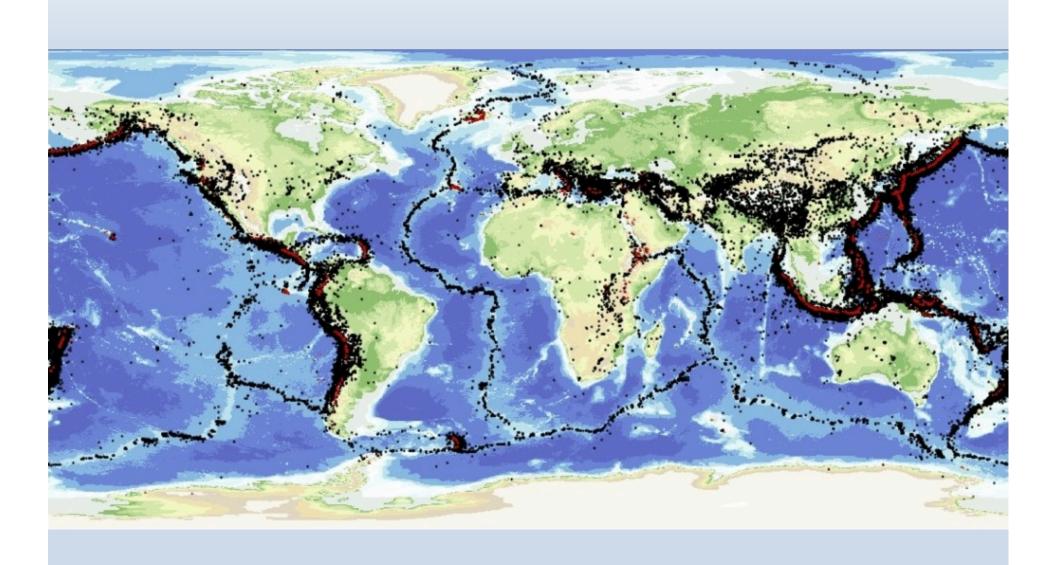
Director for Communication, Education, and Outreach Southern California Earthquake Center @ USC Executive Director, Earthquake Country Alliance benthien@usc.edu 213-740-0323

## SCEC.org EarthquakeCountry.org

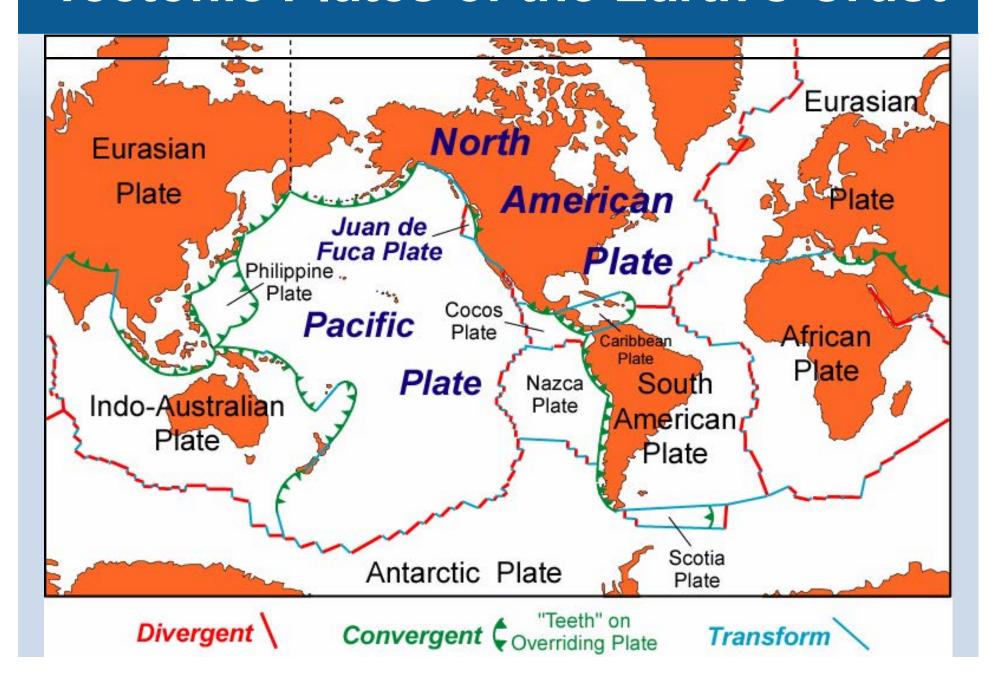




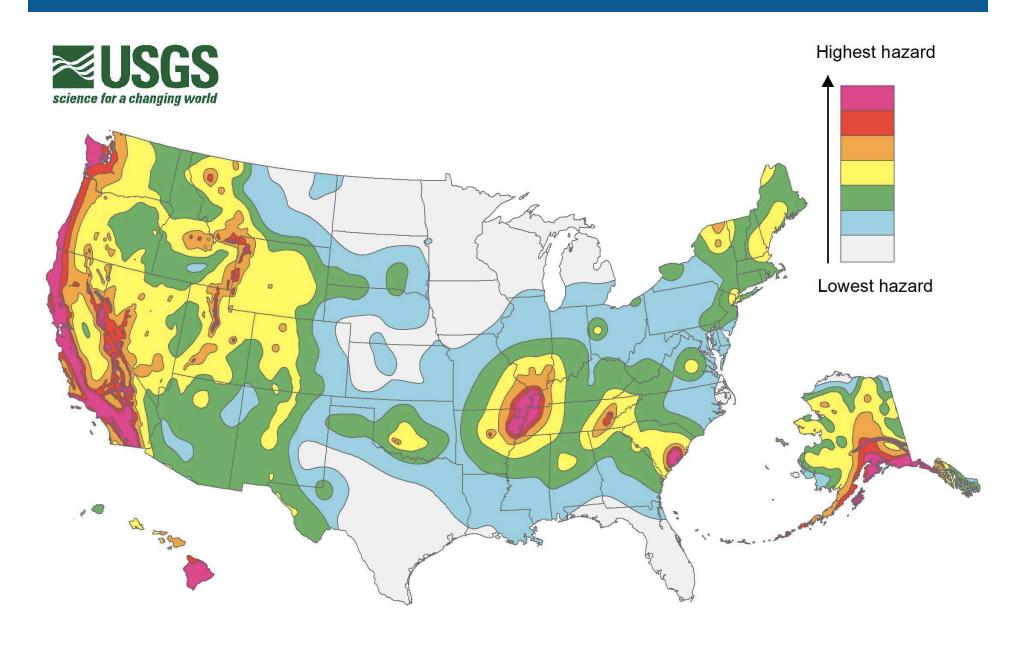
### **Global Earthquakes**



#### **Tectonic Plates of the Earth's Crust**



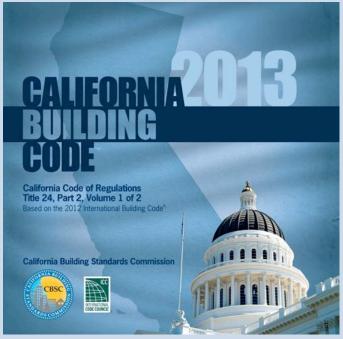
### **Most States Have Earthquakes**



### **Buildings are (Mostly) Well-Built**

- Woodframe homes do very well
- Steadily improving building codes about every 3 years (though does not apply to existing buildings)
- U.S. has highly trained and licensed engineers and contractors
- BUT, standard is life-safety





#### More Can and Must be Done...

...at every level

• ...before, during, and after

...by each and all of us





### **Earthquake Country Alliance**

Statewide partnership of people, organizations, and regional alliances

Regional alliances plan activities and coordinate partnerships

Statewide committees identify sector-based needs and develop resources

Significant support provided by FEMA Building Sciences





#### **ECA Committees & Bureaus**

- Businesses
- Seniors and People with Disabilities
- EPIcenters (museums, parks, libraries, etc.)
- Evaluation
- Fire Advisory
- Healthcare
- Non-Profits and Faith-Based Organizations

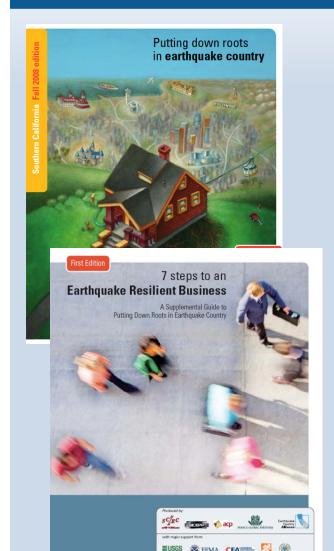
- Public Sector (Government EM & Elected Officials)
- Schools (K-12)
- Schools (Higher Ed)
- Media Bureau
- Speakers Bureau
- Events Bureau
- Participation Bureau

### EarthquakeCountry.org



- Earthquake Country Alliance (ECA) website
- How to prepare, survive & recover
- Key events and activities (ShakeOut, Tsunami Week, etc.)
- Downloadable booklets, videos, games, and more
- Seven Steps to Earthquake Safety

#### **Earthquake Manuals**



- Putting Down Roots in Earthquake Country
  - Comprehensive science and preparedness "owners manual"
     Versions for Central U.S., Nevada, Idaho, Oregon, elsewhere
- 7 Steps to an Earthquake Resilient Business
  - Multi-hazard basic guide to actions to increase resiliency (before, during, and after disaster)
  - Nationwide booklet (free to download)

earthquakecountry.org/roots

### Seven Steps to Earthquake Safety

1. Secure Your Space



3. Organize Disaster Supplies

4. Minimize Financial



DURING









5. Drop, Cover, and Hold On

6. Improve Safety

7. Reconnect and Restore









earthquakecountry.org/sevensteps

#### Seniors and People With Disabilities Resources

- Earthquake Preparedness
   Guide for People with
   Disabilities and Other
   Access or Functional
   Needs
- Organized according to Seven Steps to Earthquake Safety
- Also simple "Tips" document



#### **Earthquake Preparedness Guide**

for People with Disabilities and Other Access or Functional Needs

#### Think about What May Happen During and after an Earthquake or other Disaster:

Consider your daily activities; think about how a disaster will impact your life. Take into consideration what you do independently and where you may need assistance. Keep in mind that your regular sources of assistance may not be available after a disaster. Plan now for how you will meet your needs.

- · What if power, gas, and phone lines are not working?
- What if roads and sidewalks are impassible or your means of transportation is unavailable?
- · How will you maintain supplies of water, food, medications, and other critical needs?
  - Right now: Make a list of equipment and medication you may need if you had to leave your home. Store extras, labeled with your name and contact information, in your disaster supplies kit. (See Step 3, below)

This guide follows the **Seven Steps to Earthquake Safety**, featured in the **Putting Down Roots in Earthquake Country** series of publications at www.earthquakecountry.org/roots. The
content has been specially adapted for people with disabilities and other access and functional
needs.

#### STEP 1 – Secure Your Space, by identifying hazards and securing moveable items:

When you enter a room, look for safe places to "Drop, Cover, and Hold On" (see Step 5).

- Safe spaces are places where heavy or falling objects and breaking glass won't injure you, such as under tables or desks, along inside walls, etc.
- The more limitations you have, the more important it is to create safe spaces for yourself - especially if you cannot Drop, Cover, and Hold On under a desk, table, etc.
- Create safe spaces by bolting heavy furniture to wall studs, moving heavy items to low shelves, securing hanging art to walls with closed hooks, or taking other measures found at http://www.daretoprepare.org/secure\_your\_stuff.html
- Secure essential equipment such as oxygen tanks or other life support devices, so they won't fall and be damaged or cause injury.
- When you are in public places, be aware of your surroundings and identify your safe spaces.

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Earthquake Guide for People with Disabilities/AFN © 9/23/12 Earthquake Country Alliance

earthquakecountry.org/disability

### Step 5: Drop, Cover, and Hold On



earthquakecountry.org/step5

### Why Drop, Cover, and Hold On?

- Buildings rarely collapse in the United States
- Keeps you from being thrown to the ground
- Protection from falling items...
   and structural elements



Mexico City, Mexico September 1985 M8.1



Calexico, California April 2010 M7.2

#### **Protect Yourself**

- Drop to the floor (or bend over in chair)
- Cover your head and neck with one hand, then take shelter under a nearby table or desk, or against a wall
- Hold On to your shelter until shaking stops (if not under something, cover your head and neck with both hands)













This is appropriate for *most* situations and building types

### After Shaking Stops...



M6.7 Northridge 1994

- "Wait a Minute" after shaking stops, in case objects continue to fall
- Look for hazards before you move:
  - Above and below you
  - Behind, around, and ahead of you
- Expect aftershocks -- be prepared to drop again
- Follow your emergency plan
  - May or may not include evacuation

#### earthquakecountry.org/step6

#### **Great ShakeOut Earthquake Drills**

Annual events held worldwide when millions of people practice







Many do much more!

2015 ShakeOut Day of Action: October 15

#### **ShakeOut Mission and Goals**

#### Mission:

Everyone, everywhere should know how to protect themselves during earthquakes

#### Goals:

- Encourage people worldwide to practice earthquake safety
  - Register at <u>www.ShakeOut.org</u>
- Shift the culture about earthquakes and preparedness
  - Inspire discussions about being prepared to survive and recover
- Increase earthquake readiness at all levels
  - Whole Community: family, community, school, business, government...

### **ShakeOut History**

- Created in Southern California in 2008
  - Based on "ShakeOut Scenario" created by U.S. Geological Survey and many partners for a 7.8 magnitude earthquake on the San Andreas fault
  - Scenario was the basis of a comprehensive emergency management exercise organized by the State of California
  - ShakeOut drill created by Earthquake Country Alliance partners to involve families, schools, and organizations
  - 5.4 million Southern California participants

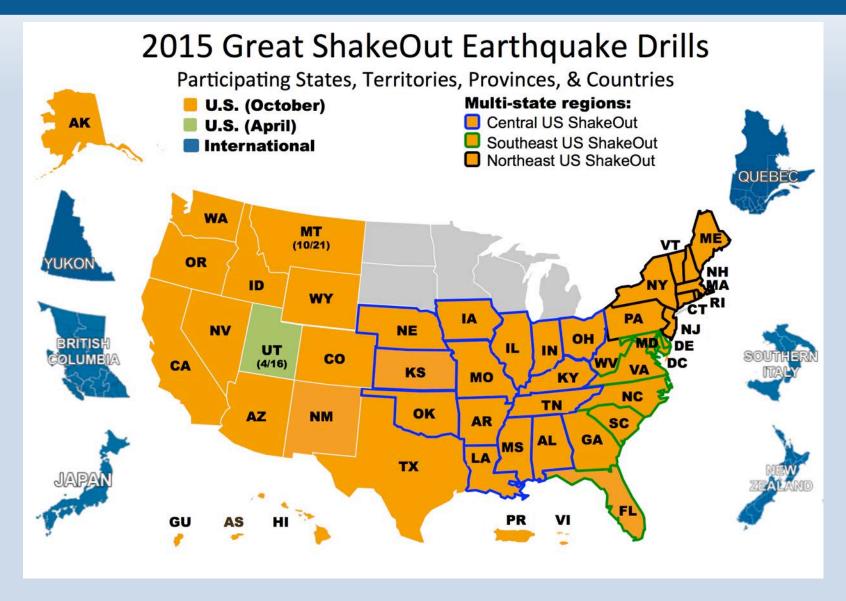
#### **ShakeOut History**

- More participants and additional regions each year
  - 2008: 5.4 million (Southern California)
  - 2009: 6.9 million (all California)
  - 2010: 8 million (California, Nevada, and Guam)
  - 2011: 12.1 million (15 states/territories & British Columbia)
  - 2012: 19.4 million (26 states/territories, 5 countries)
  - 2013: 24.9 million (44 states/territories, expansion worldwide
  - 2014: 26.5 million (47 states/territories, continued expansion worldwide)

### **Everyone can ShakeOut!**

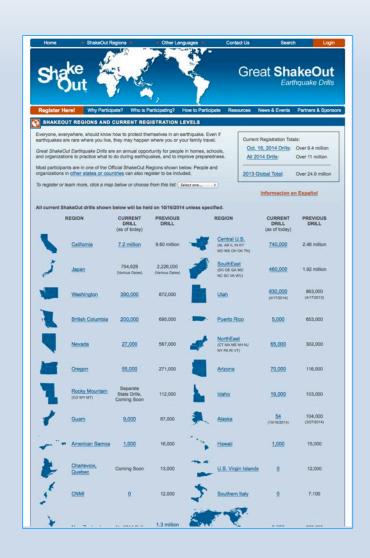


### Everyone... Everywhere, & Growing!



2014: 26.5 Million People Worldwide

#### www.shakeout.org & www.shakeout.org/california





### **Benefits of Registering**



- Be counted in the world's largest earthquake drill
- Be updated with news and safety tips
- Be listed with other participants
- Be an example that motivates others
- Have peace of mind that you have taken action and helped others
- Be better prepared to survive and recover!

#### **Example ShakeOut Resources**





















#### Register and Spread the Word

- Register your ShakeOut Drill at Shakeout.Org
- Download and distribute resources:
  - Drill manuals
  - Flyers and posters
  - Videos
  - And much more



#### Get Ready to ShakeOut!

You are invited to join millions of people who "Drop, Cover, and Hold On" each year as part of Great ShakeOut Earthquake Drills!

More than 24.9 million people were registered in ShakeOut drills worldwide in 2013. Participating is a great way for your family or organization to become better prepared to survive and recover quickly from big earthquakes.

Why is "Drop, Cover, and Hold On" important to practice? You may only have seconds to protect yourself in an earthquake before strong shaking knocks you down, or something falls on you. Practicing helps you be ready to react. Visit ShakeOut.org/dropcoverholdon to learn more



It is also recommended that you, your school or organization, and your community review and update plans and supplies, and secure your space in order to prevent damage and

Everyone can participate! Individuals, families schools, government agencies, businesses and other organizations are all invited to register.

#### Register today at ShakeOut.org

#### HOW TO PARTICIPAT

Here are simple things you can do to participate in the ShakeOut. Instructions and resources can be found at www.ShakeOut.org.

- Plan Your Orill:

  Register at ShakeOut.org/register to be counted as participating, get email updates, and more.

  Download a Diff Broadcast recording from ShakeOut.org/drill/broadcast.

  Have a "Tono, Cover, and Hold On" drill on ShakeOut day or within two weeks. You can also practice other aspects of your empreney plan.

#### Get Prepared for Earthquakes: - Do a \*hazard hunt\* for items that might fall during earthquakes and secure them. - Create a personal disaster plan.

- structure.
  Other actions are at www.earthquakecountry.org.

- Invite triends and raminy memoers to regisser.
   Encourage your community, employer, or other groups you are involved with to participate.
   Posters, Ryes, and other promotional materials at ShakeOut.org/resources.
   Share photos and stories of your drill at Shakeout.org/share.



#### As a registered ShakeOut Participant you will:

- Learn what you can do to get prepared
   Receive ShakeOut news and other earthquake informatile
   Set an example that motivates others to participate













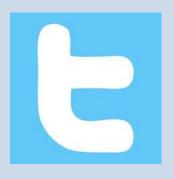
Join US in the World's Largest Earthquake Drill. Register Now at www.ShakeOut.org



#### Join the Conversation



<u>Facebook.com/greatshakeout</u> <u>Facebook.com/earthquakecountryalliance</u>



@shakeout (#ShakeOut)
@eca

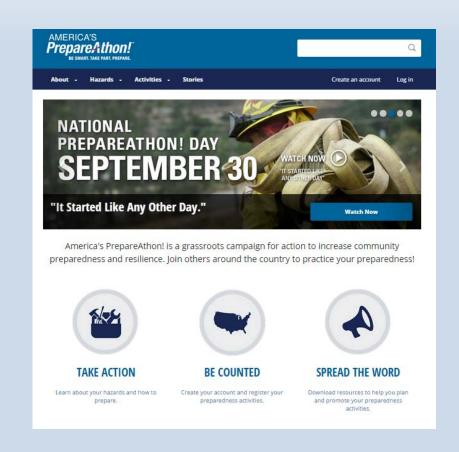
Join US in the World's Largest Earthquake Drill.

Register Now at www.ShakeOut.org



#### America's PrepareAthon!

- ShakeOut is a major activity of "America's PrepareAthon!" (participation is included within annual AP! totals)
- Assessment of preparedness for all hazards
- National PrepareAthon Days: April 30 and September 30



ready.gov/prepare



#### Shannon M. Mulhall

Certified Americans with Disabilities Act Coordinator
City of Fresno Public Works Department
Seniors and People With Disabilities Committee Member,
Earthquake Country Alliance

Shannon.Mulhall@fresno.gov 559-621-8716





#### **Objectives**

### ECA Seniors and People With Disabilities Committee works to:

- Engage Seniors/People With Disabilities and others with Access & Functional Needs to practice alternatives to "Drop Cover and Hold On"
- 2. Increase the number of Seniors and People With Disabilities included in preparedness and outreach activities
  - Register individuals and groups in order to quantity who is participating
  - Identify gaps in preparedness efforts

#### **Know Your Response**

- Know how to adapt your response based on your needs
  - If you can't get up, don't get down

 Know what you need so you can instruct others on how to assist you

To do it is to know it

IF ABLE



USING CANE





USING NALKER















#### If Able







### Using a Cane







# Using a Walker

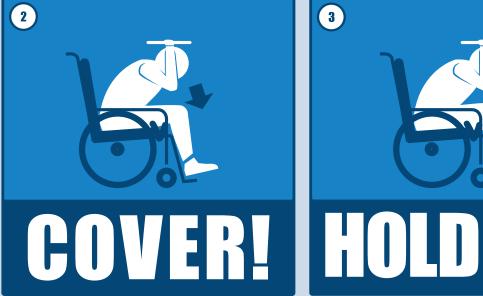






# Using a Wheelchair







#### Resources & Registration

- www.earthquakecountry.org/disability
  - Earthquake Preparedness Guide for People with Disabilities and Other Access or Functional Needs (8 pages)
  - Key Earthquake Safety Tips for People with Disabilities and Other Access or Functional Needs (2 pages)
- www.ShakeOut.org/register
  - Register as a "Disability/AFN" organization
  - Or for any category, indicate the number of seniors or people with disabilities when you complete the registration form.

#### **Dena Gunning**

**Emergency Preparedness Coordinator** 

Emergency Mgmt. Services Division, Oakland Fire Department Earthquake Country Alliance, Public Sector Committee Chair

DGunning@oaklandnet.com 510-238-6068

#### Oaklandnet.com/ShakeOutADA





#### REMEMBER to PRACTICE

The ShakeOut is designed to prepare you to help yourself and to help others in the event of an earthquake. Because emergency services personnel will not be able to help everyone immediately, you can make a difference by knowing what to do before, during and after an earthquake.

Be prepared for an emergency by signing up for alerts.

The City of Oakland is dedicated to planning for emergencies in order to preserve the well-being of our entire community.

The City strives to provide innovative and wholly inclusive emergency services and programs and to ensure that people with access and functional needs are included in the City's emergency preparedness plans.

Part of the City's plans include the following three programs:



Email-based subscription system for receiving emergency alerts, as well as updates about specific topics of interest in the City of Oakland, free of charge.

Subscribers sign up to receive wireless or email emergency alerts through the GovDelivery application.

# City Watch telephone based announcement and alert system

For City announcements and emergency alerts, a phone message will be sent to all land lines in the City of Oakland. Therefore, it is important for Oakland residents who would like to receive City announcements and alerts via their TTY to add their TTY phone number to this system. Subscribers fill out a simple form to have their TTY entered into the City Watch system.

#### Mass Care and Shelter Plan Functional Needs Annex

In August 2007, the City of Oakland launched a comprehensive review of its emergency preparedness programs, activities and services, and created a Functional Needs Annex ("the Annex") to complement the City's Mass Care and Shelter Plan. The Annex makes sure that people with disabilities are included in the City's emergency preparedness plans.

Additional resources provided in the Annex include:

- Functional Needs Framework Matrix
- Care and Shelter Checklist
- Shelter Site Accessibility Evaluation Matrix
- Role of the Emergency Operations Center Functional Needs Coordinator Checklist
- Initial Intake and Assessment Tool
- Accessible and Medical Cots Matrix
- Emergency Evacuation Vehicle Pictogram

www2.oaklandnet.com/oakca1/groups/pwa/documents/policy/oak043788.pdf

# **Community Outreach and Inclusion**

The City of Oakland Emergency Management and Disaster Preparedness Council

#### Access and Functional Needs (AFN) Subcommittee

The AFN Subcommittee includes representatives from UCSF Benioff Children's Hospital, Eden I & R, Internal Revenue Service, and internal stakeholders Public Works-ADA Compliance, Human Services, Mayors Commission on Persons with Disabilities and community members.

# **Community Outreach and Inclusion**

The City of Oakland Emergency Management and Disaster Preparedness Council

#### Access and Functional Needs (AFN) Subcommittee

The committee's goal is to develop an informational product to meet the EMADPC AFN goal to actively engage persons within the access and functional needs (AFN) community before a disaster.

# **Community Outreach and Inclusion**

#### Activities include:

- Quarterly meetings to discuss AFN community relevant issues
- Topics included developing relevant emergency preparedness informational content
- Delivery platforms and methods to disseminate such content such as Oak72, Neighborhood Crime Prevention Council and CORE-Communities of Oakland Respond to Emergencies), 211
- Exploring FEMAs AFN informational webinars
- Veterans Administration presenter to explain the breadth and depth of AFN programs
- Reviewing and providing input for updating the City of Oakland's Mass Care and Shelter-Functional Needs Annex

# Planning inclusive events

Collaboration is key. It is important to include internal and external community partners when planning your event. This year's Oakland ShakeOut Event Planning Team consisted of partners from the following agencies:

City of Oakland: Fire Department, ADA Program, Public Works, and Public Information, Alameda County Health Department, CalOES, FEMA

Earthquake Country Alliance, Pacific ADA Center, Center for Independent Living, United Cerebral Palsy of the Golden Gate

#### ShakeOut to Celebrate ADA

Thursday, October 15, 2015
9 am to 2 pm
Frank H. Ogawa Plaza, Oakland



# Free Inclusive Preparedness Fair



marking the 2015 Great California ShakeOut and the 25th Anniversary of the Americans with Disabilities Act (ADA)

#### **ShakeOut to Celebrate ADA**

- Join the "Drop-Cover-Hold On" & "Lock-Cover-Hold On"
   Flash Mob at 10:15
- Earthquake Preparedness Displays & Information
- The Big Shaker Earthquake Simulator
- Interactive Demonstrations
- Remarks by special guests, including presentation of a State Proclamation honoring disability rights activist Richard Devylder, who served as Chief of the Office for Access and Functional Needs, Cal OES

#### **ShakeOut to Celebrate ADA**

Info & Online Resources:

www.oaklandnet.com/ShakeOutADA

**Event Details:** 

(510) 444-CITY or core@oaklandnet.com

#### We're All in This Together!

What will you do...
today?
this week?
on ShakeOut day?