RAND’s Community Resilience Portfolio

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ITRC Conference on Building Personal and Psycho-Social-Spiritual Resilience for Climate Change

November 4, 2016
Today’s presentation

- Brief overview of RAND’s resilience orientation
- RAND’s community resilience portfolio
- Next steps
Strengthening community resilience is critical in a changing world.

- Disasters more common
- Disaster costs increasing
- New disasters emerging
Traditional disaster response models have not worked well enough.
Community resilience requires building neighbor to neighbor reliance and organizational connection.

- There are strong relationships between organizations.
- Organizations are ready and prepared to respond and recover.
- There are enough volunteers to help in a disaster.
- People can rely on each other (neighbor to neighbor).
- Individuals/families have the knowledge to prepare for and respond to disaster.
Resilient communities drive residents towards a resilience mindset

Community Resilience Mindset

I have skills I can use in a disaster to help others.

My community is not immune to disasters.

If something unpredictable were to happen, I can count on my community.
RAND has developed a portfolio of work in community resilience.

Focus on Community Resilience

In an emergency, strong communities can be the key to survival.

Connect with your neighbors. Be prepared to respond.

Learn more at prepare2respond.org
RAND’s portfolio has uniquely bridged disciplines and sectors
Today’s presentation

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• RAND’s community resilience portfolio

• Next steps
RAND’s portfolio addresses key issues needed to bring ideas to action

Planning and strategy development

Evaluation and monitoring  Quality implementation
RAND’s portfolio addresses key issues needed to bring ideas to action

Planning and strategy development

Evaluation and monitoring

Quality implementation
Planning and strategy development spans from national to local, including global.

- **National strategy**
- **State-wide plans**
- **City-wide plans**

**Louisiana’s Master Coastal Plan**

**Resilience strategic plan for Washington DC**
RAND developed CONNECT – a resilience strategic planning model
Strategic planning model builds on 8 levers of community resilience

From RAND, Chandra et al. 2011
RAND has supported master planning processes

- Created participatory, stakeholder-informed decision framework and support tool

- Use framework to evaluate tradeoffs among a variety of proposed resilience strategies and projects
Created step by step training tool to support community planning

Table of Contents

Building Resilience (Organization):
- Assets
- Household Preparedness
- Long-Term Recovery
- Climate Change
- Daily Routine
- Behavioral Health
- Social & Economic Impacts
- Broader Community
- Data Systems

Building Resilience (Community):
- Assets
- Long-Term Recovery
- Climate Change
- Behavioral Health
- Social & Economic Impacts
- Data Systems
- Sustainable Development


Or email us at: communityresilience@rand.org
RAND’s portfolio addresses key issues needed to bring ideas to action

Planning and strategy development

Evaluation and monitoring

Quality implementation
Quality implementation supported by a variety of tools

RAND tools to launch a successful resilience effort cover four key domains:

• Communication

• Mapping assets, needs and vulnerabilities

• Leveraging government, military, and non-state actors

• Assessments and decision supports
Created campaigns and branding

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CONNECT TODAY / STRONGER TOMORROW
Developed tools for community education and mobilization

Speaker’s toolkit

Community Resilience

LEARN

&TELL Toolkit

Infographics
Developed mapping tools to assess population needs and assets

LA Community Resilience Mapping Tool (Sahana)

Special Needs Population Mapping Tool

Youth Resilience Corps Mapping Tool
Identified ways to leverage government and civil society

Policy and practice recommendations

NGO self-assessment toolkit
Created assessment and decision support tools

- Developed community resilience tabletop exercise
- Creating a decision support framework for military-civilian response
Applied methods like Robust Decision Making to climate mitigation and adaptation choices

“What will future conditions be?”
“What is the best near-term decision?”
“How sensitive is the decision to the conditions?”

“Predict Then Act”

RDM Process

Proposed strategy
Identify vulnerabilities of this strategy
Develop strategy adaptations to reduce vulnerabilities
RAND’s portfolio addresses key issues needed to bring ideas to action

- Planning and strategy development
- Quality implementation
- Evaluation and monitoring
Developed new surveys

- Coalition and community surveys to chart progress along resilience levers
- Household survey to map changes in resilience understanding and activity
Developed to monitor:

- Hospital preparedness program
- Hurricane Sandy disaster recovery in NYC
Used new forms of case study analyses

Lessons from Department of Defense Disaster Relief Efforts in the Asia-Pacific Region

Review of CR lessons from global examples (Moore, Chandra, 2012)
Applied systems analysis
Conducted financial analysis

The Rising Cost of Flood Insurance
Effects on New York City After Hurricane Sandy

On the anniversary of Hurricane Sandy, many in New York City are still struggling to rebuild their homes, businesses, and lives. A year after the storm, they have learned that their recovery faces a new hurdle: changes in the flood insurance market that are likely to bring about much higher premiums for many residents living near the coast. How bad is the news? What can be done in response?

RAND’s Center for Catastrophic Risk Management and Compensation
Led key demonstration studies: Los Angeles County

• 16 Los Angeles County Neighborhoods
• (8 Preparedness, 8 Resilience)

Usual Preparedness

Usual coalition with traditional emergency planners
Use of preparedness tools (e.g., “brown book”)

Community Resilience

Resilience Team with diverse array of community organizations
Use of community resilience toolkit
Concerted focus on vulnerable populations
Use of enhanced asset mapping tools
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Next steps for resilience research and practice

• Explore how communities can balance resilience capacity and capability investments

• Fully integrate discussions among those focused on human resilience and infrastructure resilience
  – Workforce development
  – Systems analysis
Relevant websites

- www.rand.org/topics/community-resilience.html
- www.rand.org/resilience-in-action.html
- www.laresilience.org