Risk Communication and Social Vulnerability: Guidance for Practitioners

Carson MacPherson-Krutsky, Ph.D.

Research Associate, Natural Hazards Center University of Colorado Boulder





US Army Corps of Engineers.



Defining Social Vulnerability

- Socially vulnerable populations face disproportionate disaster risk due to a variety of social, economic, political, and historical factors.
- All communities have socially vulnerable groups.
- Vulnerability is **not inherent** to a person or community, instead it is conditioned by historical and social factors.

Flooding Disproportionately Harms Black Neighborhoods The impacts of floods can exacerbate existing racial and social inequality Coleman was vacationing in Santa rnia, when the evacuation order ca By Thomas Frank, E&E News on June 2, 2020 **Racial and ethnic minorities are** more vulnerable to wildfires Published: November 6, 2018 6.42am EST In Oregon wildline in August 2018. U.S. Forest Service - Pacific Northwest Region Over the last decade, the U.S. has seen an average of 70.512 wildland fires every year, annually burning about 6.8 million acres. With climate change, scientists expect fires to become in Looner more frequent and more severe. in free However, some people are more affected by these events than others. Our work, published on Nov. 2, shows that racial and ethnic minorities are significantly more vulnerable to the effects of these natural disasters. The results provide a new perspective on where resources to mitigate wildfire threats are best allocated. Phil Levin is attacted with The Natur We were inspired to study this question by Hurricane Katrina, Ian P. Device receives funding from the the catastrophe that ripped through New Orleans in 2005. Black lational Science Foundation. All épimie neighborhoods were located in the low-lying, less protected areas Fedrim and mer of the city, and many lacked the

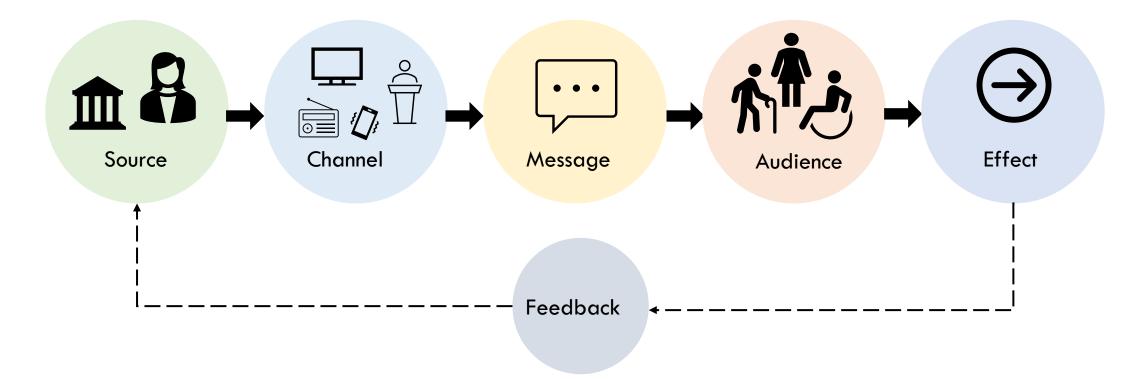
How California's emergency plans fail disabled communities

Kelley Coleman's 9-year-old son had two days of his medication left. Then

PUBLIC HEALTH

the evacuation order hit.

Classic models of communication have assumed that risk information will lead to action

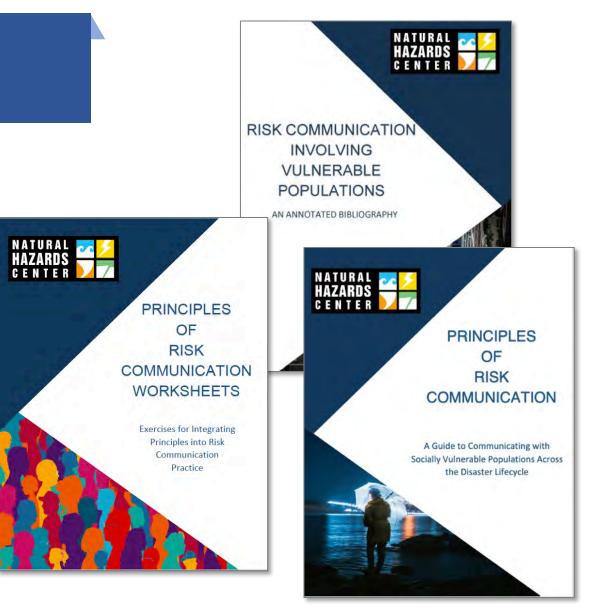


Risk Communication Resources

Principle Investigator: Dr. Lori Peek
Project Leads: Dr. Carson MacPherson-Krutsky, (Former: Dr. Nnenia Campbell)
Research Assistants: Luther Green and Dr. Mary Painter (Former: NHC Students)

Audience: Flood Hazard and Risk Practitioners (can be applied more broadly)

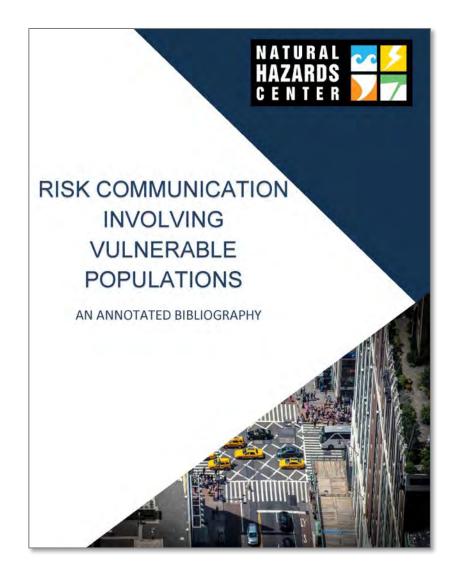
Goal: Provide evidence-based guidance on how to meaningfully involve socially vulnerable populations in the risk communication process.





Annotated Bibliography

- Summarizes key publications on risk communication and social vulnerability (academic books and articles and agency reports)
- Organizes literature around themes and populations of interest to practitioners





Annotated Bibliography

Academic and Agency Reports

Take-Home Message

This analysis describes 10 best practices

for effective crisis communication

decided on by a panel of expert

emergency management practitioners.

Seeger, Matthew W. 2006. "Best Practices in Crisis Communication: An Expert Panel Process." Journal of Applied Communication Research 34(3):232–44.

Keywords General Risk Communication

Key Findings

The 10 best practices described in this article are:

o Process approaches and policy

Summary of Key

Findings

Abstract

Partnerships with the public

development
 Pre-event planning

- Listen to the public's concern and understand the audience
- Honesty, candor, and openness
- Collaborate and coordinate with credible sources
- Meet the needs of the media and remain accessible
- Communicate with concern, compassion, and empathy
- Accept uncertainty and ambiguity
- Messages of self-efficacy

Abstract

The description of "best practices" is widely used to improve organizational and professional practice. This analysis describes best practices in crisis communication as a form of grounded theoretical approach for improving the effectiveness of crisis communication specifically within the context of large publicly-managed crises. The results of a panel of crisis communication experts are reviewed. Ten best practices for effective crisis communication, which were synthesized from this process, are presented and described.

Quick Take Home

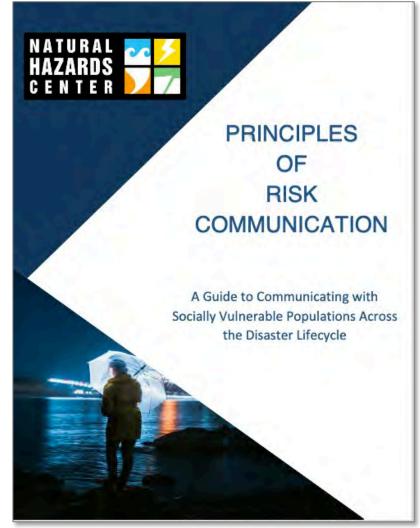
Message



Guidebook

- At-a-glance resource for practitioners
- Defines three key principles of risk communication that emerged from the literature review
- Provides examples of the three principles across the disaster lifecycle

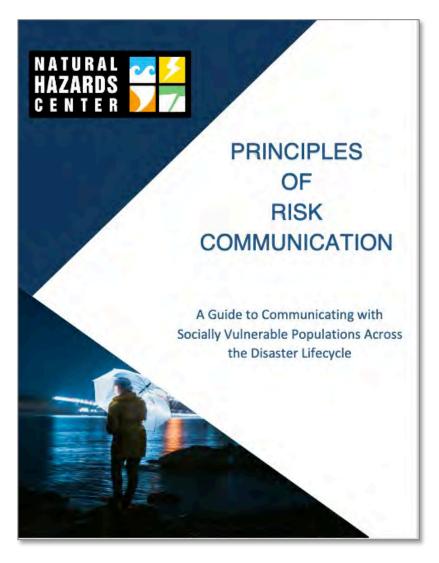






Key Principles

- I. Communicate Through Familiar and Trusted Messengers
- II. Provide Clear, Actionable Information
- III. Tailor Messages and Information Pathways for Target Audiences





Guidebook

	Underlying Concepts	Implications for Socially Vulnerable Populations
	Credibility is essential if message recipients are to be receptive to risk communications, believe them, and take them seriously.	Careful planning and relationship-building are critical for risk communicators. Government actors and other officials may lack credibility with some communities due to pre-existing conflicts, historical injustices, or simple lack of familiarity. It is essential for risk communicators to understand how they are perceived and empathize with message recipients.
	Risk communicators must be viewed as legitimate and trustworthy sources of information, or their messages may not reach or resonate with their intended recipients.	Working with credible, well-connected partners in target communities helps to ensure that messages are appropriately constructed and disseminated. These "gatekeepers" or "cultural brokers" hold valuable expertise about their communities and may be comparatively well-received by the target audience.
nderly	ving Concepts	the second second second
•	mplications	Expertise and rank alone do not automatically provide credibility or authority in these circumstances. Rather, this kind of
		influence is developed by building trusting and mutually respectful relationships with credible partners. Such partners are particularly important in circumstances where misinformation and distance and the such as the second
		respectful relationships with credible partners. Such partners are
	Tips for Communicating Throug Getting to Know Your A Use publicly avail and learning abo different network information. Und	respectful relationships with credible partners. Such partners are particularly important in circumstances where misinformation and distrust may influence perceptions of unknown experts.
	Tips for Communicating Throug Getting to Know Your A Use publicity avail and learning abo different network information. Und <u>Vulnerability Ind</u> understanding of Effective partner- building connecti	respectful relationships with credible partners. Such partners are particularly important in circumstances where misinformation and distrust may influence perceptions of unknown experts. gh Familiar and Trusted Messengers Audience lable data as a first step toward identifying vulnerable populations ut their needs. Remember that different social groups belong to ks and may have varying degrees of trust in any given source of terstanding these dynamics is essential. <u>The CDC Social</u>

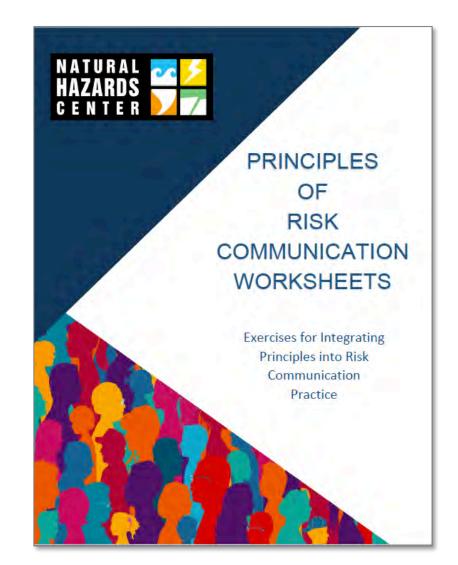
Examples Across the Disaster Lifecycle

	Disaster Preparednes	5	2 2 1			
Examples		Key Takeaway	s			
Phillips (2015) argues that fail perspectives of persons with	d	Disaster F	Response			
emergency planning contribu challenges these groups face	Examples		Key Takeaways			
response and recovery. Partn efforts with organizations tha these populations can help er personnel better reach these	Communicating warning messages service providers, media outlets ti linguistic minorities, and other en	tl n	Scholars have found that Disaster	r Recovery		
members in risk communicati disaster-related activities.	established networks in hard-to- communities has been shown to	A second s	Examples	Key	Takeaways	
disaster-related activities.	message receipt and the taking o	Military veterans	s who were experiencing	Studies have found the	at .	
The Indiana Silver Jackets tea education efforts that reach o educate them about flooding	Morrow 2007.	S homelessness in at the time of Hu	coasta Irrican	Hazard Mitigation		
and the measures they and th		 secondary difficu such as food, she 	Pram	iples	Key Takeawa	ys -
take to ensure their personal relied on several member age distribute activity books and e groups specifically working w throughout the state (U.S. Arr Engineers (USACE] N.DA). A had relationships with childre partners who could leverage i familiarity with the target aud important guidance.	he City of Fort Collins, Colorado I eavily over the years in flood wa nitigation measures, message tes isk communication through publi re-disaster legwork helped build n City's expertise and trust in its o afety. When severe flooding stru 013, these investments paid off. aunched a social media campaign afety updates during this active r ituation, messages were effective aken seriously because residents nformation to be relevant and va ussociates Team 2016).	of the storm. Research Affairs (VA) health care source of disaster-relat population because tra television and radio, w them (Gin et al. 2019). partner by leveraging it information. Shortly after the 2013 (officials learned that m busy disaster assistanc overwhelming, renderi the help they needed. the Boulder County lor coordinated with senio	th care Research has found that si r-relat data about risks are insuff use tra because this kind of inform dio, w the lens of personal exper- colly. those who have experience aging i major losses. Efforts to en relay in public support for mitigati therefore be more effective are paired with relevant, r 2013 highlight the experiences of highlight the experiences of narratives that counteract (Dillon, Tinsley, and Cronir feel more relatable and cro experience.	icient to prompt action nation is filtered through ience—particularly for ed a disaster but avoided courage or generate on activities may we when technical details elatable stories that of others, especially near-miss experiences n 2011). Such stories may edible to the audience,	Pairing technical details with relevant and relatable content (e.g., storytelling) makes hazard mitigation material more likely to be acted-upon by the public and counteracts complacency.	
ring le		address elders' n environments (C provided populat recovery effort a to a trusted sour	and the second s	Itant group collaborated h activities as part of a d risk awareness, educate ion projects funded by Grant Program, and itigation actions seminated to residents logo from the Parrish	Disseminating hazard mitigation messages through trusted local sources (e.g., local government, media) increases the likelihood that the public will take an interest in and act upon the measures recommended by external agen	.0,



Worksheets

- The Worksheets break down the core principles into simple steps and questions to guide users in applying the principles to their own work
- Provide additional resources and quick tips
 - Worksheets 1-4: Before initiating the risk communication process
 - Worksheet 5: After implementation of a risk communication project





Example: Principle I Worksheet

I. Communicate Through Familiar and Trusted Messengers

Steps Included in this Worksheet:

NATURAL HAZARDS C E N T E R						
	Principle I Worksheet:					
Commun	icate Through Familiar and Trusted Messengers					
roject Title: roject Lead: roject Timeline:						

- 1. Identify the organizations and gatekeepers that are largely trusted by your target audiences
- 2. Develop a plan to reach out and build relationships with potential risk communication partners that are trusted by your target audiences
- 3. Reach out to potential risk communication partners, discuss your risk communication priorities, and collaborate where appropriate



Example: Principle I Worksheet

Step 1: Identify the organizations and gatekeepers that are largely trusted by your target audiences

NATURAL HAZARDS C E N T E R						
Principle I Worksheet: Communicate Through Familiar and Trusted Messengers						
	incate i incagni raininar and trusted messengers					
Project Title:						
Project Lead:						
Project Timeline:						



What trusted individuals, institutions, or outlets do members of your target population turn to for information and assistance during times of crisis?



Testimonials



Risk Communication and Socially Vulnerable Populations

A Six-Session Training Course

Sponsors: U.S. Army Corps of Engineers (USACE) and the Natural Hazards Center at the University of Colorado Boulder

Course Description

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"The Principles of Risk Communication worksheets are useful because **they prompt the user to ask important questions** that better address how to identify socially vulnerable groups, how to communicate effectively to those groups, and how to drive action with your communication efforts."

-Spring 2022 Course Participant

"[These materials] made me consider why I thought what I thought and if I was doing what I assumed I was. I think re-reading these prior to outreach and engagement and when starting a new project may be beneficial."

-Spring 2022 Course Participant



Download PDFs Here:

https://hazards.colorado.edu/news/research-projects/risk-communication-and-social-vulnerability







Project Support

This work was made possible through supplemental funding from the U.S. Army Corps of Engineers to the National Science Foundation (NSF Award #1635593). Any opinions, findings, and conclusions or recommendations expressed in this material are those of the authors and do not necessarily reflect the views of the NSF or USACE



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