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We envision a just and equitable world where knowledge is applied to ensure that humans live in harmony with nature.

Welcome to the **CONVERGE** Webinar Series

CONVERGE Extreme Events Research Check Sheets

June 15, 2021

10:00 to 10:30 a.m. MDT



University of Colorado **Boulder**



NSF Award #1841338



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CONVERGE Extreme Events Research Check Sheets Series



PREPARING TO CONDUCT
EXTREME EVENTS RESEARCH



IRB AND ETHICAL
CONSIDERATIONS



GEOGRAPHIC CONSIDERATIONS



CULTURAL COMPETENCE AND
POWER DIFFERENTIALS



SOCIAL SCIENCE METHODS AND
APPROACHES



TRAINING, MENTORING, AND
BUILDING TEAMS



COLLECTING DATA AND
CONDUCTING FIELDWORK



DATA MANAGEMENT AND DATA
USE

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DATA ANALYSIS AND DATA
PUBLICATION



SHARING AND COMMUNICATING
RESULTS

Please type questions or comments using the chat or Q&A box in Zoom!

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End Meeting



Advancing Quick Response Research



Paul Kovacs

Executive Director, Institute for Catastrophic
Loss Reduction

Adjunct Research Professor, Economics,
Western University



Presenters



Rachel Adams

Research Associate, Natural Hazards Center and
CONVERGE
University of Colorado Boulder



Melissa Villarreal

Doctoral Student, Department of Sociology
Graduate Research Assistant, Natural Hazards Center and
CONVERGE
University of Colorado Boulder



Jessica Austin

Doctoral Student, Department of Sociology
Graduate Research Assistant, Natural Hazards Center and CONVERGE
University of Colorado Boulder



Jeff Birchall

Assistant Professor, School of Urban and Regional Planning,
Department of Earth and Atmospheric Sciences
Director, Climate Adaptation and Resilience Lab
University of Alberta



PART I: CONDUCTING A SYSTEMATIC LITERATURE REVIEW

Rachel Adams, Haorui Wu, and Candace Evans

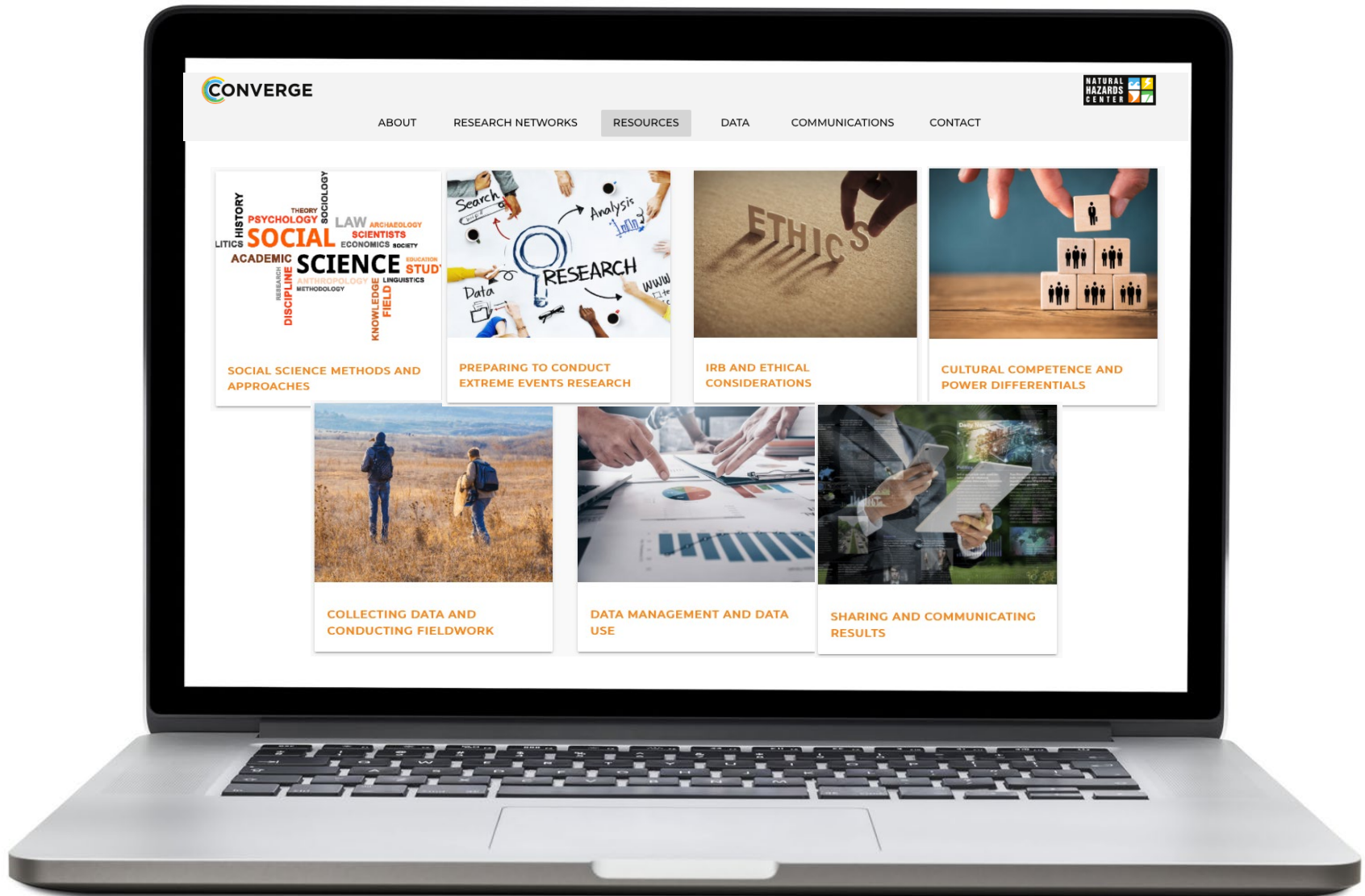
Conducting a systematic literature review is an essential part of the research process. By identifying and critically evaluating available knowledge on a research topic, researchers can identify gaps and/or inconsistencies in the existing literature. This can inform the development of innovative research questions and help prioritize what perishable and time-sensitive data should be collected in the disaster aftermath as well as establish longer-term research agendas for mitigation, preparedness, and recovery oriented research.

It is important that literature reviews are conducted in a systematic fashion that is objective, thorough, and reproducible. Adapted from Kugley et al. (2016), we provide the following recommendations for systematically reviewing the literature:

- 1. USE MULTIPLE DATABASES.** Given the multidisciplinary nature of disaster research and the variety of databases that exist, searches should be conducted in more than one database to capture
- 4. USE PROXIMITY OPERATORS (NEAR AND WITHIN) AND TRUNCATION (*) SYMBOLS TO SEARCH FOR WORDS OR PHRASES WITH VARIANT SPELLING.** These methods will also allow you to find derivations

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Check Sheets Overview





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EXTREME EVENTS RESEARCH CHECK SHEETS SERIES



BEST PRACTICES FOR RESEARCH WITH NON-ENGLISH DOMINANT POPULATIONS

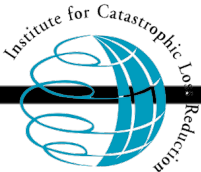
Melissa Villarreal

This check sheet is intended to assist researchers who are working with non-English dominant populations. This check sheet assumes that the researcher is a native English speaker and is working with people who either speak limited English or do not prefer to use it in the context of research. That said, the recommendations provided here are applicable to any investigator that is conducting research outside of their own native language. The check sheet draws on several sources and highlights important points to consider throughout the research process.

» Research Formulation and Design

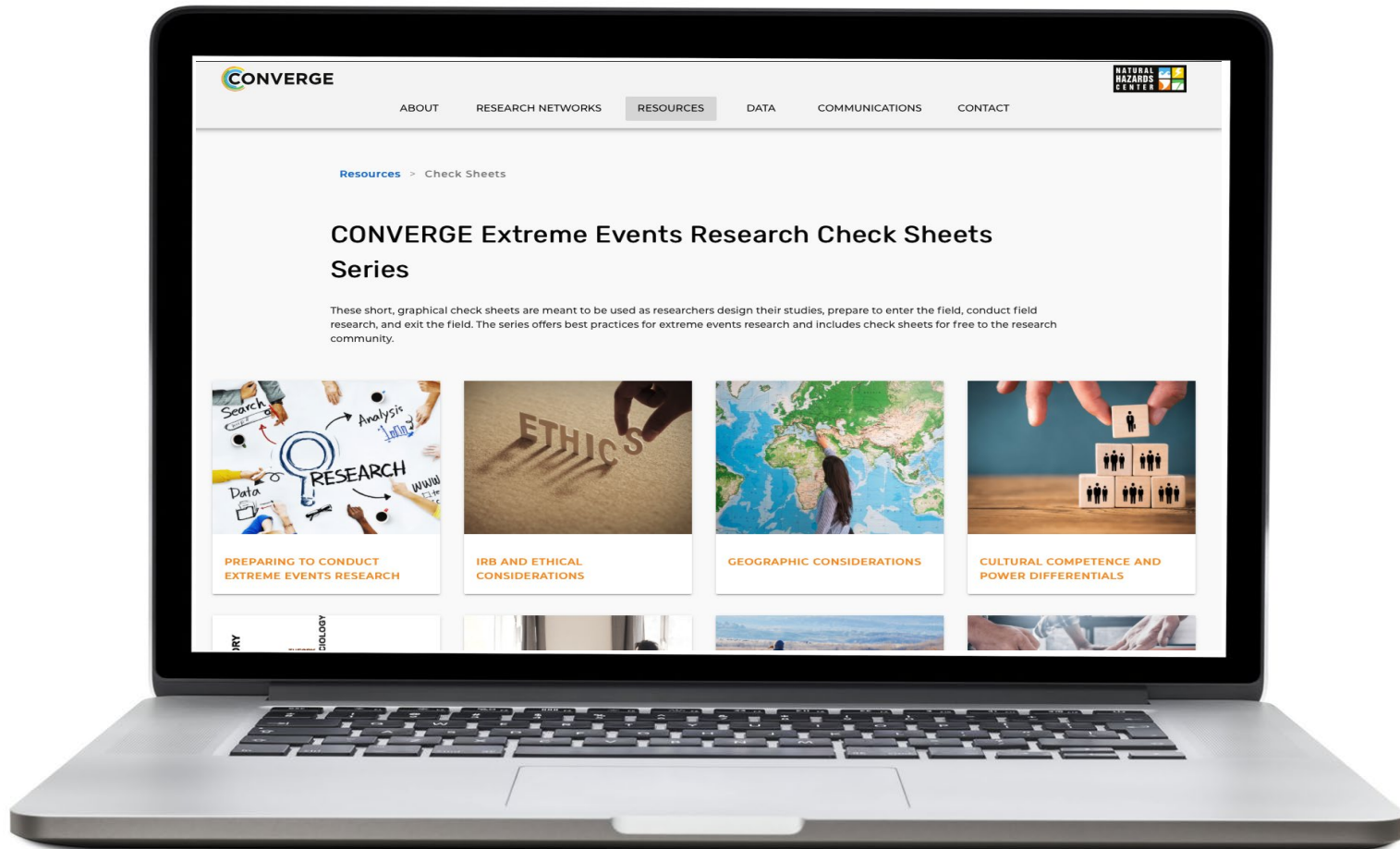
- ☐ Conduct preliminary research into the group or community you intend to work with to better understand the historical, social, political, and language context.
- ☐ Consult expert sources to enhance your research design. For more detailed strategies on culturally competent research design and the development of research materials with non-English dominant communities, see: Han et al. 2007 and the [CONVERGE Cultural Competence in Hazards and Disaster Research Training](#)

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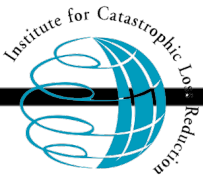


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Check Sheets Demonstration



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EXTREME EVENTS RESEARCH CHECK SHEETS SERIES

PRIVACY REQUIREMENTS AND USE OF HEALTH DATA



PRIVACY REQUIREMENTS AND USE OF HEALTH DATA

Jessica Austin

This check sheet contains general guidelines for working with health data, including an overview of privacy requirements under the Health Insurance Portability and Accountability Act (HIPAA) and best practices for ensuring research participant protection.

What are HIPAA and the HIPAA Privacy Rule?

The Health Insurance Portability and Accountability Act was passed by the U.S. Congress in 1996 to regulate and modernize information flow within the healthcare and health insurance industries, including how patient data is collected, stored, and protected. Specifically, the HIPAA Privacy Rule governs the use and disclosure of protected health informa-

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Invitation to Contribute!



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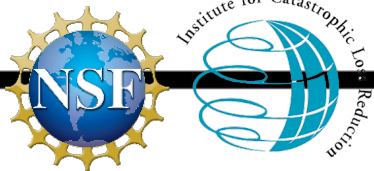
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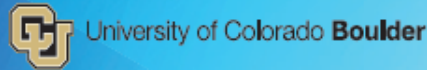


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EXTREME EVENTS RESEARCH CHECK SHEETS SERIES



CONDUCTING EFFECTIVE AND RESPECTFUL IN-DEPTH, SEMI-STRUCTURED INTERVIEWS

S. Jeff Birchall, University of Alberta
Vada Antonakis, University of Alberta


Extreme events disrupt the lives of people, can have a significant impact on their mental and physical health, and may increase personal and professional pressures. Conducting interviews under these conditions can be difficult for the researcher, but also potentially stressful for the interviewee. It is therefore important that as a researcher you are mindful and respectful in the way you conduct the interview. It is also critical to carefully consider the types of questions you use to explore your topic of interest and how you engage with the interviewee. This check sheet offers a number of tips for how you can most effectively engage with disaster-affected individuals and communities.

- ☐ When conducting interviews, it is imperative to remember that the interviewee and their community are currently experiencing a distressing situation. Interviewees may be under significant stress, feel vulnerable, and may be emotionally charged.


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PRJ-3115 | In-Depth, Semi-Structured Interviews: A Typology of Interview Questions—CONVERGE Extreme Events Research Check Sheets Series

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Author

Birchall, S. Jeff; Antonakis, Vada

Data Type

Check Sheet

Awards

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Institute of Catastrophic Loss Reduction - N/A

Related Work

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This check sheet details the types of questions researchers may consider as they develop their interview guide. Incorporating these questions can help to ensure that researchers gather information about context—such as feelings, values, and sensory information—that can enrich data collection, analysis, and reporting. About the CONVERGE Extreme Events Research Check Sheets Series: The National Science Foundation-supported CONVERGE facility at the Natural Hazards Center at the University of Colorado Boulder has developed a series of short, graphical check sheets that are meant to be used as researchers design their studies, prepare to enter the field, conduct field research, and exit the field. The series offers best practices for extreme events research and includes check sheets that are free to the research community. More information is available at: <https://converge.colorado.edu/resources/check-sheets>.


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converge.colorado.edu/resources/check-sheets

This webinar recording will be posted at:
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