

Rachel Marie Adams

Natural Hazards Center, University of Colorado
(404) 729-9120 | Rachel.Adams-1@colorado.edu

Education

- 2014-2018 **Ph.D.**, UCLA Fielding School of Public Health, Los Angeles, CA
•Community Health Sciences Department
•Minor in Marketing at UCLA Anderson School of Management
•Dissertation: *Disabilities and Disasters: How Social Cognitive and Community Factors Influence Preparedness among People with Disabilities*
- 2011-2013 **M.P.H.**, University of Southern California, Los Angeles, CA
•Biostatistics/Epidemiology Concentration
- 2006-2010 **B.S.**, Emory University, Atlanta, GA
•Chemistry Major

Professional Experience

- Jan. 2021-Present **Research Associate**, Natural Hazards Center and CONVERGE Facility, Institute of Behavioral Science, University of Colorado Boulder, Boulder, CO.
- Jan. 2019-Dec. 2020 **Postdoctoral Research Associate**, Natural Hazards Center and CONVERGE Facility, Institute of Behavioral Science, University of Colorado Boulder, Boulder, CO.
- Sept. 2017-June 2018 **Teaching Assistant**, UCLA, Los Angeles, CA
- March 2016-Aug. 2017 **Graduate Student Researcher**, UCLA, Los Angeles, CA
- June-September 2015 & June 2013-August 2014 **Public Health Intern**, Los Angeles County Department of Public Health, Los Angeles, CA
- January-May 2013 **Research Assistant**, Hollywood, Health & Society, Los Angeles, CA
- January-May 2012 **Graduate Student Researcher**, University of Southern California, Los Angeles, CA
- May-December 2011 **Research Assistant**, Sopherion Therapeutics, Princeton, NJ

Grants and Contracts

- 2020-2021 **Principal Investigator**, “Enhancing our healthcare heroes’ overall well-being: Balancing patient health, personal risk, and family responsibilities during the COVID-19 pandemic.” Funded by the National Science Foundation Supported Quick Response Program. (\$3000)
- 2019-2021 **Co-Principal Investigator**, “Earthquake Early Warnings and School.” Lori Peek, Principal Investigator. Funded by the U.S. Geological Survey. (\$56,500)

Awards and Honors

2018	Dissertation Year Fellowship , University of California Los Angeles
2017	Doctoral Student Travel Grant , University of California Los Angeles
2014-2015	University Fellowship , University of California Los Angeles
2013	Delta Omega Honor Society , University of Southern California
2010	National Society of Collegiate Scholars , Emory University
2006-2007	Emory College Dean's List , Emory University

Publications

Evans, C., **Adams, R. M.**, & Peek, L. (2021). Incorporating Mental Health Research into Disaster Risk Reduction: An Online Training Module for Researchers and Practitioners. *International Journal of Environmental Research and Public Health*.

Adams, R. M., Evans, C., Mathews, M., Wolkin, A., & Peek, L. (2020). Mortality from forces of nature among older adults by race/ethnicity and gender. *Journal of Applied Gerontology*.

Breeden, J., **Adams, R.**, Peek, L., Thomas, T., & Jansson, D. R. (Eds.). (2020). Special Collection on Mass Sheltering. *Research Counts*. Natural Hazards Center, University of Colorado Boulder.
<https://hazards.colorado.edu/news/research-counts/special-collection/mass-sheltering>.

Peek, L., Tobin, J., **Adams, R.**, Wu, H., & Mathews, M. (2020). A framework for convergence research in the hazards and disaster field. *Frontiers in Built Environment*.

Adams R. M., Eisenman, D. P., & Glik, D. (2019). Community advantage and individual self-efficacy promote disaster preparedness: A multilevel model among persons with disabilities. *International Journal of Environmental Research and Public Health*. 16(15), 2779.

Breeden, J., Peek, L., Paulsen R., & **Adams, R.** (Eds.). (2019). Special Collection on Children and Disasters. *Research Counts*. 3. Natural Hazards Center, University of Colorado Boulder.
<https://hazards.colorado.edu/news/research-counts/special-collection/children-and-disasters>.

Eisenman, D. P., **Adams, R. M.**, Lang, C., Prelip, M., Dorian, A., Acosta, J, Glik, D., & Chinman, M. (2018). A program for local health departments to adapt and implement evidence-based emergency preparedness programs. *American Journal of Public Health*. (0), e1–e3.

Adams, R. M., Karlin, B., Eisenman, D. P., Blakley, J., & Glik, D. (2017). Who participates in the Great ShakeOut? Why audience segmentation is the future of disaster preparedness campaigns. *International Journal of Environmental Research and Public health*, 14(11), 1407.

Adams, R. M., Prelip, M. L., Glik, D. C., Donatello, I., & Eisenman, D. P. (2017). Facilitating partnerships with community-and faith-based organizations for disaster preparedness and response: Results of a national survey of public health departments. *Disaster Medicine and Public Health Preparedness*, 1-10.

Adams, R. M., Riess, H., Massey, P. M., Gipson, J. D., Prelip, M. L., Dieng, T., & Glik, D. C. (2017). Understanding where and why Senegalese adolescents and young adults access health information: A mixed methods study examining contextual and personal influences on health information seeking. *Journal of Communication in Healthcare*, 1-33.

Adams, R. M., Rivard, H., & Eisenman, D. P. (2017). Who participates in building disaster resilient communities: A cluster-analytic approach. *Journal of Public Health Management and Practice*, 23(1), 37-46.

Massey, P., Boansi R. K., Gipson, J. D., **Adams, R. M.**, Riess, H., Dieng, T., Prelio, M. L. & Glik, D. G. (2017). Examining human papillomavirus (HPV) awareness and vaccine receptivity among Senegalese adolescents. *Tropical Medicine & International Health*. 22(1), 113-121.

Eisenman, D. P., **Adams, R. M.** & Rivard H. (2016). Measuring outcomes in a community resilience program: A new metric for evaluating results at the household level. *PLoS Currents Disasters*. Edition 1.

Manuscripts Under Review

Adams, R. M., Evans, C., Wolkin, A., Thomas, T. & Peek, L. (2021). Social vulnerability and disasters: Development and evaluation of a CONVERGE training module for researchers and practitioners. *Disaster Prevention and Management*.

Adams, R. M., Tobin, J., Peek, L., Breeden, J., McBride, S. & de Groot, R. (2021). The generational gap: Children, adults, and protective actions in response to earthquakes. *Australasian Journal of Disaster and Trauma*.

Presentations and Posters at Professional Meetings

Adams, R. (2021, June). CONVERGE Training Modules: Free Online Education for Disaster Researchers and Practitioners. Societal Shock Resilience: An NSF Convergence Accelerator Workshop. (Online).

Adams, R., Breeden, J., Peek, L., & Tobin, J. (2021, May). Schools, Earthquakes, and Early Warning Systems. U.S. Geological Survey ShakeAlert Social Science Symposium. (Online).

Adams, R. (2021, April). Supporting Field Research with NHERI Community Resources: Interdisciplinary Coordination through CONVERGE. Shared Operational Research Logistics in the Nearshore Environment (SHORELINE) 21 Workshop. (Online).

Adams, R. (2020, October). Disability and Disaster: How Wildfire risk and Community Factors Influence Preparedness Among People with Disabilities. American Public Health Association's Annual Meeting and Expo. (Online).

Adams, R. & Jansson, D. (2020, August). Disaster Mental Health and Social Vulnerability: An Introduction to Key Concepts, Research Methods and New Training Modules for Researchers. The National Association of County and City Health Officials Preparedness Summit. (Online).

Adams, R. (2020, August). The CONVERGE Disaster Mental Health Training Module: Free Online Education for Disaster Researchers and Practitioners. The National Alliance of State Animal and Agricultural Emergency Programs Monthly Call.

Adams, R. (2020, July). CONVERGE Training Modules: Free Online Education for Disaster Researchers and Practitioners. Council of State and Territory Epidemiologists Disaster Epidemiology Workshop. (Online).

Adams, R. & Wu, H. (2020, July). Enhancing our Healthcare Heroes' Overall Well-Being: Balancing Patient Health, Personal risk, and Family Responsibilities during the COVID-19 Pandemic. 2020 Natural Hazards Researcher's Meeting. (Online).

Adams, R., Evans, C., Peek, L., Villarreal, M. & Wu, H. (2020, July). CONVERGE Training Modules: Free Online Education for Extreme Events Researchers and Practitioners. 2020 Natural Hazards Workshop. (Online)

Adams, R. & Wu, H. (2020, June). CONVERGE Training Module: Free Online Education for Hazards Researchers and Practitioners. 2020 National Hurricane Conference. (Online).

Adams, R., Breeden, J., Tobin, J., Peek, L. (2020, March). Schools, Earthquakes, and Early Warning Systems: Preliminary Findings from Alaska and California. 2020 National Earthquake Conference, San Diego, CA.

Adams, R. & Wu, H. (2020, March). CONVERGE Extreme Events Research Training Modules Workshop. 2020 National Earthquake Conference, San Diego, CA.

Cheatham, T., Wuerthwein, F., Geva, S., Rosser, J., & **Adams, R.** (2019, September). Panel on Workforce Development and Retention. 2019 NSF Workshop on Connecting Large Facilities and Cyberinfrastructure, Alexandria, VA.

Adams, R., Wu, H., Peek, L., Evans, C., Villarreal, M., Wolkin, A., & Thomas, T. (2019, July). CONVERGE Training Modules for Hazards and Disaster Researchers. Natural Hazards Workshop, Broomfield, CO.

Adams, R. M., Leinhos, M., & Savoia, E. (2017, April). Promoting Evidence-Based Practice for Public Health Preparedness and Response National Association of County and City Health Officials Summit, Atlanta, GA.

Cummings, P. L., **Adams, R. M.** Ruelas, N., Kuo, T. (2014, November). Local-level program planning for health marketing campaigns should be coupled to food environment interventions, as population sodium knowledge and choosing healthy foods remain low in residents of Los Angeles County, California. American Public Health Association Meeting, New Orleans, LA.

Teaching/Training Materials

Evans, C., **Adams, R. M.**, Peek, L. (2021). *CONVERGE Collecting and Sharing Perishable Data*. Natural Hazards Center, University of Colorado Boulder. <https://converge-training.colorado.edu/courses/collecting-and-sharing-perishable-data/>.

Adams, R. M., Evans, C., Peek, L. (2021). *CONVERGE Broader Ethical Considerations for Hazards and Disaster Research*. Natural Hazards Center, University of Colorado Boulder. <https://converge-training.colorado.edu/courses/broader-ethical-considerations-for-hazards-and-disaster-researchers/>.

Heinze, J., **Adams, R. M.**, Evans, C., Peek, L. (2021). *CONVERGE Understanding and Ending Gender-Based Violence in Fieldwork*. Natural Hazards Center, University of Colorado Boulder. <https://converge-training.colorado.edu/courses/understanding-and-ending-gender-based-violence-in-fieldwork/>.

Bermudez Tapia, B., Fehr, T., Niles, S., Evans, C.M., **Adams, R.M.**, & Peek, L. (2020). *CONVERGE Conducting Emotionally Challenging Research Training Module*. Natural Hazards Center, University of Colorado Boulder. <https://converge-training.colorado.edu/courses/conducting-emotionally-challenging-research-training-module/>.

Adams, R., Esteva, M., & Peek, L. (2020). Guidance for Data Management Plans. CONVERGE Extreme Events Research Check Sheets Series. DesigSafe-CI. <https://doi.org/10.17603/ds2-ycz2-xc47>.

Wu, H., Villarreal, M., **Adams, R.M.**, Evans, C., & Peek, L. (2020). *CONVERGE Institutional Review Board (IRB) Procedures and Extreme Events Training Module*. Natural Hazards Center, University of Colorado Boulder. <https://converge-training.colorado.edu/courses/institutional-review-board/>.

Wu, H., **Adams, R.M.**, Evans, C., Villarreal, M. Papadopoulos, I., & Peek, L. (2020). *CONVERGE Cultural Competence in Hazards and Disaster Research Training Module*. Natural Hazards Center, University of Colorado Boulder. <https://converge-training.colorado.edu/courses/cultural-competence/>.

Adams, R., Wu, H., & Evans, C. (2020). Part I: Conducting a Systematic Literature Review—CONVERGE Extreme Events Research Check Sheets Series. DesignSafe-CI. <https://doi.org/10.17603/ds2-macr-8b71>.

Adams, R., Wu, H., & Evans, C. (2020). Part II: Systematic Literature Review Table—CONVERGE Extreme Events Research Check Sheets Series. DesignSafe-CI. <https://doi.org/10.17603/ds2-zz9ekc61>.

Adams, R.M., Evans, C., & Peek, L. (2019). *CONVERGE Disaster Mental Health Training Module*. Natural Hazards Center, University of Colorado Boulder. <https://converge-training.colorado.edu/courses/disaster-mental-health-training/>.

Adams, R.M., Evans, C., & Peek, L. (2019). *CONVERGE Social Vulnerability and Disasters Training Module*. Natural Hazards Center, University of Colorado Boulder. <https://converge-training.colorado.edu/courses/vulnerable-populations/>.

Ebener, P. A., Hunter, S. B., **Adams, R. M.**, Eisenman, D., Acosta, J. D., & Chinman, M. (2017). Getting To Outcomes® Guide for Community Emergency Preparedness. <https://www.rand.org/pubs/tools/TL259.html>.

Teaching Experience

January-June 2018 Program Planning, Research and Evaluation in Community Health Sciences (CHS 211a & 211b), UCLA

September-December 2017 Introduction to Community Health Sciences (CHS 100), UCLA

Other Research Experiences

July 2012 **Master of Public Health Practicum**, University of Southern California, Panama City, Panama

January-May 2012 **Global Healthcare Operations Management Consulting Project**
University of Southern California, Samambaia, Brazil

May-June 2010 **Delegation on Medicine in the People's Republic of China**
International Scholar Laureate Program, People's Republic of China

Service

2021 National Science Foundation Grant Reviewer

2020-2021 Member of the Natural Hazards and Engineering Research Infrastructure (NHERI) Science Plan Task Group

2017-2021 **Peer Reviewer**
•Journal of Environmental Psychology
•Handbook on Population and Environment
•International Journal of Environmental Research and Public Health
•Inter-Agency Standing Committee Mental Health and Psychosocial Components of Disaster Risk Reduction: Framework for Action
•International Journal of Disaster Risk Reduction

- Journal of Public Health Management and Practice
- Disaster Medicine and Public Health Preparedness

Skills

- Advanced quantitative analysis skills, including factor analysis, social network analysis, multilevel modeling, cluster analysis, and structural equation modeling
- Proficiency in SAS, SPSS, EQS, ATLAS.ti, Microsoft Office, LearnDash Learning Management System, Qualtrics
- Working knowledge of WordPress
- Fluent in French
- Reading ability in Spanish

References

Lori Peek, Ph.D.

Professor, Department of Sociology, University of Colorado Boulder

Director, Natural Hazards Center, University of Colorado Boulder

Principal Investigator, Natural Hazards Engineering Research Infrastructure CONVERGE Facility, Social Science

Extreme Events Research (SSEER) Network, and Interdisciplinary Science and Engineering Extreme Events

Research (ISEEER) Network

lori.peek@colorado.edu

Deborah C. Glik, Sc.D., FAAHB

Professor, Department of Community Health Sciences

UCLA Fielding School of Public Health

dgluk@ucla.edu

David Eisenman, M.D., M.S.H.S

Professor in Residence, Department of Community Health Sciences, UCLA Fielding School of Public Health

Professor in Residence, Division of General Internal Medicine & Health Services Research, University of California Los Angeles

Director, UCLA Center for Public Health and Disasters

deisenman@mednet.ucla.edu