Hurricane Harvey
Research Bibliography
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Introduction

This research bibliography includes reference information for book chapters, editorial pieces, journal articles, and reports that reflect the research and studies pertaining to Hurricane Harvey. The sources were collected using multiple journals and databases including: EBSCO, MDPI, Science Direct, SAGE Journals, International Journal of Environmental Research and Public Health, Journal of American Medical Association, and many others. The majority of the sources were gathered from Texas A&M University Libraries’ database.

Hurricane Harvey was a Category 4 hurricane; it made landfall in Rockport, Texas on August 25, 2017. After the initial landfall, the storm stalled over Houston, Texas for a week, resulting in massive amounts of rainfall and flooding. This resulted in 27 trillion gallons of rain and $125 billion in damage.

Hurricane Harvey had a huge impact on Texas and provides valuable evidence for other states that may be affected by similar events in the future. We believe that scientific research can support communities, states, and the nation better mitigate and recovery from such disasters. This bibliography supports our mission to share scientific knowledge about hazards and disasters with scholars, students, policy-makers, and the public. Graduate students and faculty from the Hazard Reduction & Recovery Center (hrrc.tamu.edu) in the College of Architecture at Texas A&M University will regularly update this bibliography and post to our website. Suggestions for articles to include can be addressed to Dr. Michelle Meyer at michelle.meyer@tamu.edu and Center staff at hrnc@arch.tamu.edu.

The Hazard Reduction & Recovery Center was established at Texas A&M University in 1988. Our researchers focus on hazard analysis, emergency preparedness and response, disaster recovery, and hazard mitigation. Researchers study the full range of natural disasters and technological hazards. The mission of the Hazard Reduction & Recovery Center is to conduct high impact research that increases our understanding of the nature and impacts of hazards in society, educate the next generation of scholars and hazard professionals, disseminate research findings to the public, and provide consultation with policy and decision-makers about methods to reduce hazard and disaster impacts and promote recovery.

We offer special thanks to Emily Gunderson, Graduate Research Assistant, for finding, preparing, and organizing articles for this bibliography.

Children and Schools


Capo, Karen, Lori Espinoza, Jordan Khadam-Hir, & Debra Paz. (2019). Creating safe spaces for children’s voices to be heard: supporting the psychosocial needs of children in times of


**Class, Gender, Race, and Religion**


https://journals.sagepub.com/doi/full/10.1177/0033354917742128


**Climate Change**

https://www.pnas.org/content/114/48/12681.short


https://www.nature.com/articles/s41586-018-0158-3


https://www.jstor.org/stable/10.2979/victorianstudies.60.4.01?seq=1#page_scan_tab_contents

https://www.nature.com/articles/pr2017280


https://jamanetwork.com/journals/jama/article-abstract/2706429


Displaced Persons


Economic Effects and Employment


Elderly


Environmental Effects


Evacuation


FEMA


**Health and Health Care**


Haynie, Aisha, Sherry Jin, Leann Liu, Sherrill Pirsamadi, Benjamin Hornstein, April Beeks, & et. al. (2018). Public Health Surveillance in a Large Evacuation Shelter Post Hurricane
Harvey. *Online Journal of Public Health Informatics, 10*(1).
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6087944/


http://www.pediatricnursing.net/interestarticles/43617_Ivey.pdf


https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6382219/


https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5679814/


https://academic.oup.com/ajhp/article/74/21/1820/5103035


Taioli, Emanuela, Stephanie Tuminello, Wil Lieberman-Cribbin, Kristin Bevilacqua, Samantha Schneider, Maria Guzman, & et. al. (2018). Mental health challenges and experiences in displaced populations following Hurricane Sandy and Hurricane Harvey: the need for more comprehensive interventions in temporary shelters. *Journal of Epidemiology & Community Health, 72*(10), 867. [https://jech.bmj.com/content/72/10/867](https://jech.bmj.com/content/72/10/867)


Housing


### Infrastructure and Urbanization


### Mapping and Modeling: Flooding

https://ascelibrary.org/doi/pdf/10.1061/9780784481400.036


https://www.nature.com/articles/s41598-018-27673-x

https://www.mdpi.com/2072-4292/11/2/107


https://www.mdpi.com/2072-4292/10/8/1256


https://ascelibrary.org/doi/10.1061/9780784481400.034

http://www.hydroshare.org/resource/564b6d73040142579ad3236e1aeb4712/

**Mapping and Modeling: Precipitation**


**Mapping, Research Methods, Technology, and Water**


Media


Post-Disaster Recovery


**Preparedness, Response, and Relief**


**Other**


Morano, Lisa, & Tzouanas, Vassilios. (2017). Urban agricultural and sustainability program at Houston's downtown university: Combining new curriculum, hands-on projects, and a