

# Lauren A. Clay

Associate Professor and Department Chair  
Department of Emergency Health Services  
University of Maryland, Baltimore County

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## Education

Ph.D. University of Delaware, School of Public Policy and Administration, August, 2014  
MPH Drexel University, School of Public Health, August 2010  
B.A. History and Leadership and Global Understanding, La Salle University, May 2005

## Professional Appointments

*National Institute of Minority Health & Health Disparities (NIMHD)*  
2023- Climate and Health Scholar

*University of Maryland Baltimore County (UMBC)*  
2021 - Associate Professor, Emergency Health Services  
2021 - Department Chair, Emergency Health Services

*New York University*  
2017 - Affiliated Assistant Professor, [Population Impact, Recovery, and Resilience Center](#), School of Global Public Health

*D'Youville College*  
2020 – 21 Associate Professor, Health Administration and Public Health Department  
2014 – 20 Assistant Professor, Health Administration and Public Health Department

*University of Delaware*  
2015 – 19 Affiliated Assistant Professor, Disaster Research Center  
2011 – 14 Limited Term Researcher, Disaster Research Center

*Haverford College*  
2013 Visiting Instructor

*Drexel University*  
2008 – 11 Study Site Coordinator, Department of Epidemiology and Biostatistics

*Hue University*  
2005 – 06 Visiting Instructor, College of Foreign Languages, Hue, Vietnam; Volunteers in Asia Public Service Program, Stanford University

## Awards and Honors

2021 2021 Health Promotion Policy Award for a Group Contribution to Policy Change, [Society for Nutrition Education and Behavior & Advisory Committee Public Policy](#)  
2020 [Scholar of the Year](#), AAUP, D'Youville College  
2019 Course Innovation Award, Institute for Teaching Innovation, D'Youville College  
2018 [Early Career Research Fellowship](#), National Academies of Science Engineering and Medicine  
2018 Inclusive Teaching Fellow, Institute for Teaching Innovation, D'Youville College  
2007 [Fulbright Fellowship, Economic Development, Bangladesh](#), U.S. Department of State

## Publications (\*denotes student)

### Peer-reviewed Journal Articles

- [34] Milburn, A., **Clay, LA**, McNeill, C. (Accepted) An Exploration of the Nearest-Shelter Assumption in Shelter Location Models. *International Journal of Disaster Risk Reduction*.
- [33] Koyratty, N., **Clay, LA**, Silver, A., Penta, S. [Food Insecurity Risks and Food-related Perceptions, Practices, and Problems: A three-state descriptive study during the COVID-19 Pandemic](#). *Disaster Medicine and Public Health Preparedness*. <https://doi.org/10.1017/dmp.2022.250>
- [32] Clay, LA., Koyratty, N., Rogus, S., Colón-Ramos, U., Hossan, A., Josephson, A., Neff, R., Zack, R., Bliss, S., Niles, M. (Accepted) A mixed methods approach to the development of a disaster food security framework. *Journal of the Academy of Nutrition and Dietetics*.
- [31] \*Riobueno-Naylor, A., Clay, L., \*Aubé, S., Lai, B.S. (Accepted). Association between social determinants of health, COVID-19 stressors, and mental health among New York residents early in the pandemic. *Disaster Medicine and Public Health Preparedness*.
- [30] Karaye, I. M., Koyratty, N., Rogus, S., & **Clay, L.** (2022). [Association between Food Worry and Self-Rated Mental Health during the COVID-19 Pandemic](#). *World*, 3(4), 928-937.
- [29] **Clay, L.A.** & Kendra J.M. (2022) [Differences in Household Preparedness and Adaptation for COVID-19](#). *Disaster Medicine and Public Health Preparedness*. <https://doi.org/10.1017/dmp.2022.271>
- [28] Michael, YL, Smiley, KT, **Clay, LA**, Hirsch, JA, Lovasi, GS. (2022) [Uneven Growth in Social Capital Organizations After Disasters by Pre-Disaster Conditions in the United States 2000-2014](#). *Disaster Medicine and Public Health Preparedness*. <https://doi.org/10.1017/dmp.2022.230>
- [27] **Clay, L.A.**, Greer, A., \*Slotter, R., \*King, D. (2022) [The Social Supportive Role of Food and Meals Following Hurricane Florence](#). *Journal of Homeland Security and Emergency Management*. <https://doi.org/10.1515/jhsem-2021-0027>
- [26] Milburn, A., McNeill, C., **Clay, LA.**, Springer, J., Casey-Lockyer, M. (In press) Health Care and Supportive Services in General Population Disaster Shelters. *Disaster Medicine and Public Health Preparedness*.
- [25] Marriott, J.P.; Fiechtner, L.; Birk, N.W.; Taitelbaum, D.; Odoms-Young, A.; Wilson, N.L.; **Clay, L.A.**; Zack, R.M. (2022) [Racial/Ethnic Disparities in Food Pantry Use and Barriers in Massachusetts during the First Year of the COVID-19 Pandemic](#). *Nutrients*, 14 (12), 2531. <https://doi.org/10.3390/nu14122531>
- [24] Belarmino, E, **Clay, LA**, Zack, R., Martin, K. (2022) [Disparities in diaper need during the COVID-19 pandemic](#). *Health Equity*, 6(1), 150-158. <https://doi.org/10.1089/heq.2021.0093>
- [23] Niles MT, Beavers AW, **Clay LA**, et al. (2021) [A Multi-Site Analysis of the Prevalence of Food Security in the United States, before and during the COVID-19 Pandemic](#). *Current Developments in Nutrition*, 5(12). <https://doi.org/10.1093/cdn/nzab135>
- [22] **Clay, L.A.**, Rogus, S. (2021) [Food access worries, food assistance use, purchasing behavior, and food insecurity among low income and minority New Yorkers during COVID-19](#). *Frontiers in Nutrition*, p.539. <https://doi.org/10.3389/fnut.2021.647365>.
- [21] \*Lewis, E., Colón-Ramos, U., Gittelsohn, J., **Clay, L.A.** (2021) [Food-seeking behaviors and food insecurity risk among New York State residents during the Coronavirus \(COVID-19\) pandemic](#). *Journal of Nutrition Education and Behavior* 54(2), 159-171. <https://doi.org/10.1016/j.jneb.2021.05.002>
- [20] Kendra, J.M., Clay, L.A., Gill, K.B., Trivedi, V.M., Aguirre, B., Nigg, J., Trainor, J., Carbone, E., Links, J. (2021). [Community Resilience: Toward a Framework for an Integrated, Interdisciplinary Model of Disaster](#). *Natural Hazards Review*, 22(4), 04021049.

- [19] **Clay, L.A.**, \*Slotter, R., \*Heath, B., Lange, V., Colón-Ramos, U. (2021) [Capturing disruptions to food availability after disasters: Assessing the food environment following Hurricanes Maria and Florence](#). *Disaster Medicine and Public Health Preparedness*. <https://doi.org/10.1017/dmp.2021.145>
- [18] **Clay, L.A.**, Stone, K., Horney, J. (2021) [Quantifying Impacts on Local Public Health Agency's Leadership, Staffing, and Provision of Essential Public Health Services](#). *Disaster Medicine and Public Health Preparedness*, 16(4), 1552-1557. <https://doi.org/10.1017/dmp.2021.193>
- [17] **Clay, L.A.**, Rogus, S. (2021) [Impacts of employment, essential work, and risk factors on food access during the COVID-19 pandemic](#). *International Journal of Environmental Research and Public Health*. <https://doi.org/10.3390/ijerph18041451>
- [16] **Clay, L.A.**, Rogus, S. (2021) [Primary and Secondary Health Impacts of COVID-19 among Minority Individuals in New York State](#). *International Journal of Environmental Research and Public Health*, 18(2), 683. <https://doi.org/10.3390/ijerph18020683>
- [15] Smiley, K., **Clay, L.A.**, Ross, A.D., \*Chen, Y. (2021) [Multi-scalar and Multi-dimensional Conceptions of Social Capital and Mental Health Impacts after Disaster: The case of Hurricane Harvey](#). *Disasters*, 46: 473-498. <https://doi.org/10.1111/disa.12474>
- [14] McCrory-Churchill, S., **Clay, L.A.** (2021) [Academic Writing: A cross-disciplinary comparison of two writing intensive course models](#). *Imagining SOTL Journal*, 1(1), 25-40. <https://doi.org/10.29173/isotl535>
- [13] **Clay, L.A.** & Abramson, D.M. (2020) [Bowling Together: Community social institutions protective against poor child mental health](#). *Environmental Justice*, 14(3) 206-205. <https://doi.org/10.1089/env.2020.0042>
- [12] Ross, A., \*Hotard, A., Kamalanathan, M., Nolen, R., Hala, D., **Clay, L.**, Kaiser, K., Quigg, A. (2020) [Awareness is Not Enough: Frequent use of water pollution information and changes to risky behavior](#). *Sustainability*, 12 (20): 8695.
- [11] **Clay, L.A.**, Ross, A.D. (2020) [Factors Associated with Food Insecurity Following Hurricane Harvey in Texas](#). *International Journal of Environmental Research and Public Health*, 17(3), 762. <https://doi.org/10.3390/ijerph17030762>
- [10] **Clay, L.** (2019) [Field report: Issues in the post-disaster food environment during the immediate response to Hurricane Florence](#). *Disaster Prevention and Management*, 29(3), 379-389. <https://doi.org/10.1108/DPM-12-2018-0381>
- [9] **Clay, L.**, Goetschius, J., Papas, M., Trainor, J., Martins, N., & Kendra, J. (2019) [Does Preparedness Matter? The Influence of Household Preparedness on Disaster Outcomes During Superstorm Sandy](#). *Disaster Medicine and Public Health Preparedness*, 14(1), 71-79. doi:10.1017/dmp.2019.78
- [8] **Clay, L.** and Greer, A. (2019) [Association between long-term stressors and mental health distress following the 2013 Moore tornado: a pilot study](#). *Journal of Public Mental Health*, 18(2), 124-134. <https://doi.org/10.1108/JPMH-07-2018-0038>
- [7] **Clay, L.**, Papas, M., Gill, K., & Abramson, D. (2018) [Factors Associated with Continued Food Insecurity among Households Recovering from Hurricane Katrina](#). *International Journal of Environmental Research and Public Health*, 15(8), 1647. <https://doi.org/10.3390/ijerph15081647>
- [6] Ross, A.D., **Clay, L. A.** (2018) [Capital Assets and Rural Resilience: An Analysis of Texas Communities Impacted by Hurricane Harvey](#). *Journal of Natural Resources Policy Research*, 8(1-2), 154-186. [www.jstor.org/stable/10.5325/naturesopolirese.8.1-2.0154](http://www.jstor.org/stable/10.5325/naturesopolirese.8.1-2.0154)
- [5] **Clay, L. A.**, Greer, A., & Kendra, J. (2018) [Learning from historic disaster response: reviewing old lessons on disaster mental health](#). *Risk, Hazards & Crisis in Public Policy*, 9(3), 303-331. doi:10.1002/rhc3.12137
- [4] **Clay, L. A.**, Papas, M. A., Gill, K., & Abramson, D. M. (2017) [Application of a theoretical model toward understanding continued food insecurity post hurricane Katrina](#). *Disaster Medicine and Public Health Preparedness*, 12(1), 47-56. <https://doi.org/10.1017/dmp.2017.35>
- [3] **Clay, L.**, Papas, M., Abramson, D., & Kendra, J. (2017) [Social Capital, Neighborhood Disorder, and Disaster Recovery](#). *Journal of Emergency Management*, 15(4), 233-246. <https://doi.org/10.5055/jem.2017.0332>

[2] **Clay, L. A.**, Goetschius, J. B., Papas, M. A., & Kendra, J. (2014) [Influence of mental health on disaster preparedness: findings from the behavioral risk factor surveillance system, 2007–2009](#). *Journal of Homeland Security and Emergency Management*, 11(3), 375-392. doi:10.1515/jhsem20140013

### *Book Chapters*

[1] Kendra J.M., **Clay L.A.**, Gill K.B. (2018) [Resilience and Disasters](#). In: [Rodríguez H., Donner W., Trainor J. \(eds\) Handbook of Disaster Research](#). Handbooks of Sociology and Social Research. Springer, Cham.

### *Data Products*

#### DATASETS

- **Clay, L.** (2021) "[Market Basket Assessment for all Waves](#)", in Hurricane Florence Food Environment Study. DesignSafe-CI. <https://doi.org/10.17603/ds2-8ncj-ew49> v1

#### INSTRUMENTS

- Clay, Lauren; Koyratty, Nadia; Rogus, Stephanie; Colón-Ramos, Uriyoán; Hossan, Azmal; Josephson, Anna; Neff, Roni; Zack, Rachel; Niles, Meredith (2023) "[Disaster Food Security Framework](#)." DesignSafe-CI. <https://doi.org/10.17603/ds2-by4d-2q92> v1
- Errett, Nicole; Kossik, Alexandra; Archer, Megan; Ceferino, Luis; **Clay, Lauren**; Eid, Karl; Khan, Amber; Mitrani-Reiser, Judith; Rodgers, Janise; Shoaf, Kimberley; Soriano Hipol, FeliAnne; Vickery, Jamie; Welton-Mitchell, Courtney (2022) "[Data Collection Tool: Post-Earthquake Social Determinants of Health Assessment v 1.0](#)." DesignSafe-CI. <https://doi.org/10.17603/ds2-wczt-fz53>
- **Clay, L.A.** (2020) "[COVID-19 & Social Determinants of Health Data Collection Instrument Repository](#)." DesignSafe-CI. <https://doi.org/10.17603/ds2-nay0-j518>.
- **Clay, L.** (2021) "[Data Collection Tools for Market Basket Assessment](#)", in Hurricane Florence Food Environment Study. DesignSafe-CI. <https://doi.org/10.17603/ds2-18xj-z678> v1
- **Clay, L.** (2021) "[Data Collection Tools for Interviews and Observations](#)", in Hurricane Florence Food Environment Study. DesignSafe-CI. <https://doi.org/10.17603/ds2-7eh2-0j40> v1

### *Technical, Research, and Policy Briefs*

- Niles, Meredith T.; Acciai, Francesco; Allegro, Deanne; Beavers, Alyssa; Belarmino, Emily H.; Bertmann, Farryl; Biehl, Erin; Bishop-Royse, Jessica; Bradley, Brianna; Brenton, Barrett P.; Buszkiewicz, James; Cavaliere, Brittney N.; Cho, Young; Clark, Eric; **Clay, Lauren**; Coakley, Kathryn; Coffin-Schmitt, Jeanne; Collier, Sarah M.; Coombs, Casey; Dougan, Marcelle; Dressel, Anne; Drewnowski, Adam; Evans, Tom; Feingold, Beth; Fiorella, Kathryn J.; Funderburk, Katie; Gadhoke, Preety; Gonzales-Pacheco, Diana; Greiner Safi, Amelia; Gu, Sen; Hanson, Karla; Harley, Amy; Harper, Kaitlyn; Ismach, Alan; Josephson, Anna L.; Laestadius, Linnea; LeBlanc, Heidi; Lewis, Laura R.; Litton, Michelle; Martin, Katie S.; Mazzeo, John; Merrill, Scott; Neff, Roni; Nguyen, Esther; Ohri-Vachaspati, Punam; Orbe, Abigail; Otten, Jennifer J.; Parmer, Sondra; Pemberton, Salome; Pignotti, Giselle; Al Abdeen Qusair, Zain; Rivkina, Victoria; Robinson, Joelle; Rogus, Stephanie; Rose, Chelsea M.; Sadeghzadeh, Saloumeh; Savoie-Roskos, Mateja R.; Schattman, Rachel; Sivaramakrishnan, Brinda; Voorhees, McKenna; Yerxa, Kate; and Zack, Rachel, [Food Insecurity Prevalence Across Diverse Sites During COVID-19: A Year of Comprehensive Data](#) (2021). College of Agriculture and Life Sciences Faculty Publications. 178. <https://scholarworks.uvm.edu/calafac/178>
- **Clay, L.** Rogus, S. Gadhoke, P. (2020) [Primary and Secondary Health Impacts of the COVID-19 Pandemic on New Yorkers \(May-June 2020\)](#), in *National Food Access and COVID Research Team (NFACT) - New York*. DesignSafe-CI. <https://doi.org/10.17603/ds2-xe2x-xs40>.
- **Clay, L.** Penta, S. Silver, A. (2020) [Risk Perception, Information Seeking, and Protective Actions during COVID-19 among New Yorkers \(May-July 2020\)](#), in *A Multi-Wave Study of Risk Perception, Information Seeking, and Protective Action in COVID-19*. DesignSafe-CI. <https://doi.org/10.17603/ds2-7019-cs31>.
- Gadhoke, P. Brenton, B. **Clay, L.** (2021) [COVID-19 Revealed Racial Disparities in Healthcare Insecurity in NYC Jul-Aug 2020](#), in *National Food Access and COVID Research Team (NFACT) - New York*. DesignSafe-CI. <https://doi.org/10.17603/ds2-gt5k-ts70>

- **Clay, L.**, Biehl, L., Colón-Ramos, U., Dunn, C., Hossan, A., Josephson, A., ... Niles, M. (2020). [COVID-19 and Food Insecurity Research Agenda-Setting Paper](https://converge.colorado.edu/v1/uploads/images/covid_19_food_insecurity-1595251841996.pdf). Boulder, CO. Retrieved from [https://converge.colorado.edu/v1/uploads/images/covid\\_19\\_food\\_insecurity-1595251841996.pdf](https://converge.colorado.edu/v1/uploads/images/covid_19_food_insecurity-1595251841996.pdf)
- Gadhoke, P., Gu, A., Brenton, B, **Clay, L.** COVID-19 and Social Determinants of Health: Preliminary Survey Findings from the Greater New York City Metropolitan Area. Report to the St. John's University community.
- James Kendra, Samantha Penta, **Lauren Clay**, James Goetschius, Jennifer Lazo, Eva Wilson, Austin Barlow, Benigno Aguirre, Tricia Wachtendorf. 2012. Nursing Home and Assisted Living Communities: Challenges in Emergency Preparedness. Report to the Delaware Department of Health and Social Services Division of Long-Term Care Residents Protection. Disaster Research Center, University of Delaware.
- Disaster Research Center, University of Delaware. 2012. Delaware Long-Term Care Facility Emergency Operations Planning Guidance: Preparing for Tomorrow, Today. (Contributing Author)

### *Manuscripts Under Review* (\*denotes student)

[6] \*Cockerill, R., **Clay, LA**, Horney, J. Adherence to public health control measures and vaccine intention. *Vaccine*.

[5] **Clay, L.A.**, Colón-Ramos, U., Haynes-Maslow, L., Fleishhacker, S. Position of the Society for Nutrition Education and Behavior: The Importance of Nutrition during Natural Disasters. *Journal of Nutrition Education and Behavior*. R&R

[4] Gadhoke, P., **Clay, L.A.**, Brenton, B.P., \*Pemberton, S., Gu, A. Systemic Racism and Food Insecurity During the COVID-19 Syndemic: A Case Study of New York City. *Health Security*.

[3] **Clay, L.A.**, \*Scales, S., Horney, J. Factors associated with canceled medical appointments during COVID-19 in New York State. *Health Security*. R&R

[2] **Clay, L.A.**, Knox, C.C., \*Entress, R.M. Disruptions to at-risk household food access during COVID-19: Implications for supply chain management. *Natural Hazards Review*. R&R

[1] **Clay, LA**, Penta, S., Silver, S. Risk Perception, Information Seeking, and Protective Action During COVID-19: A Three State Study. *Natural Hazards Review*.

### *Manuscripts in Preparation* (expected to be under review within 6 months; \*denotes student)

- **Clay, L.A.** & Friedman, S. "Food Insecurity Trajectories Among Households Heavily Impacted by Hurricane Katrina: A longitudinal analysis"
- **Clay, L.A.** & Friedman, S. "Validation of a 1-item food insecurity screener for rapid post-disaster assessment"
- **Clay, L.A.** & Ross, A.D. "Rural Access to Health Services Following Hurricane Harvey (2017) in Texas"
- Ross, A.D., **Clay, L.A.** "Rural Resilience following Hurricane Harvey: A capitals perspective"
- Ross, A., Choi, J., **Clay, L.A.**, Hala, D. "Deer Park Fire and Barge Collision in Texas: An RFR and Social Network Analysis exploring the role of capitals in risk perception of residents."

## Grants, Fellowships, and Contracts

### *External Grants*

NSF Convergence Accelerator Track J (Award # 2236058) <a href="#">Convergence Accelerator Track J: Towards a Disaster Resilient Food System</a>	\$624,029	PI	2022-23
Natural Hazards Center Validating the Disaster Food Security Scale for Rural Populations (DFSS-Rural)	\$47,190	PI	2022-23
National Science Foundation (Award # 2046316) <a href="#">CAREER: Bolstering Food System Resilience to Reduce the Human Impacts of Disasters</a>	\$523,438	PI	2021-26



Tufts/USDA Developing a Disaster Food Security Scale	\$100,000	PI	2021-22
National Science Foundation (Award # 2051578) RAPID: Understanding Evacuation, Sheltering, and Re-entry decisions during dual hazards – Hurricane Laura and COVID-19	\$90,515	Co-PI	2020-21
National Science Foundation (Award # 2028412) RAPID: A Multi-Wave Study of Risk Perception, Information Seeking, and Protective Action in COVID-19	\$47,972	Co-PI	2020-21
Natural Hazards Center Quick Response Research Award, supported by the National Science Foundation (NSF Award #1635593) Developing a culturally relevant NAAN Food Security Scale (Doctoral student PI)	\$4,000	Co-PI	2020-21
Natural Hazards Center Quick Response Research Award, supported by the National Science Foundation (NSF Award #1635593) and the National Oceanic and Atmospheric Administration (NOAA) Weather Program Office Weather Ready Research: Risk Messaging During Syndemics	\$7,500	PI	2020-21
National Science Foundation-funded Social Science Extreme Events Research (SSEER) network and the CONVERGE facility Working Group COVID-19 and Food Security	\$1,000	PI	2020-21
Natural Hazards Center Quick Response Research Award, supported by the National Science Foundation (NSF Award #1635593) Health and Social Consequences of Food Environment Disruption Due to COVID-19 (MS Student Co-I)	\$2,750	PI	2020-21
Federal Emergency Management Agency Continuing Training Grant (CTG): Lifeline 1b. Food, Water, and Sheltering	\$10,000	Expert	2019-21
National Academies of Science, Engineering, and Medicine The Post-Disaster Food Environment	\$76,000	PI	2018-20
Robert Wood Johnson Foundation Developing a practical model for a climate-resilient community in East Boston to enhance residents' preparedness	\$5,000	Consultant	2018-20
Carol M. White Physical Education Program (PEP) Grant	\$30,000	Evaluator	2016-19
The Community Foundation for Greater Buffalo School Health and Wellness Collaborative	\$81,000	Co-I	2015-17
National Institutes of Health Women and their Children's Health	\$5,000	Consultant	2015-17

### *Internal Grants*

#### D'YOUVILLE COLLEGE

COVID-19 Food Access Study	\$5,000		2021
Hurricane Florence Rural Resilience Study	\$8,500		2019
Resource Loss and Stress following the Tubbs Fire and Hurricane Irma	\$3,600		2019
Identifying Rural Resilience in the Aftermath of Hurricane Harvey	\$7,300		2017
Moore 2013 Tornado Recovery Study	\$5,800		2015
Moore 2013 Tornado Recovery Study	\$3,900		2014

### *Under Review*

National Science Foundation Large-Scale Hub: Enabling Resilient Coastal Communities for a Changing Climate through Modeling Regional, Holistic, Evolving Earth Systems	\$18,467,262	Co-PI	2022-27
National Institutes of Health Place-based mediators of disaster-related CVD disparities	\$3,558,067	PI	2022-27

## Public Engagement

**Newspaper, The Baltimore Sun**, Smith Island weathered a tornado. Now a 7-person panel must decide how to distribute \$116K in relief <https://www.baltimoresun.com/maryland/bs-md-smith-island-tornado-fundraising-20220822-1fqhxs2c6zhkjkzfeiq7hmxoy-story.html> August 22, 2022.

**Newspaper, Buffalo News**, ‘We’re working without a playbook’: Researchers study how people response to Covid-19’ [https://buffalonews.com/news/local/were-working-without-a-playbook-researchers-study-how-people-respond-to-covid-19/article\\_70cd3eb8-1f87-11eb-ba3d-9f16dc83b710.html](https://buffalonews.com/news/local/were-working-without-a-playbook-researchers-study-how-people-respond-to-covid-19/article_70cd3eb8-1f87-11eb-ba3d-9f16dc83b710.html) November 16, 2020.

**Radio, North State Public Radio (NPR Affiliate) COVID-19 Special Coverage**, <https://www.mynspr.org/post/covid-19-special-coverage-fri-73> July 3, 2020.

**Television, WKBW (ABC Buffalo)**, How are you coping with the coronavirus pandemic? <https://www.wkbw.com/rebound/how-are-you-coping-with-the-coronavirus-pandemic> April 24, 2020.

**News Site, Grist**, America’s Heartland is Expected to Flood Again but this Time Amid Coronavirus, <https://grist.org/climate/americas-heartland-is-expected-to-flood-again-but-this-time-amid-coronavirus/> April 6, 2020.

**Television, Spectrum News**, Some Science for a COVID-19 Cure Comes from Epidemiologists, <https://spectrumlocalnews.com/nys/buffalo/news/2020/03/25/some-science-for-a-covid-19-cure-comes-from-epidemiologists> March 24, 2020.

**Television, WIVB (CBS Buffalo)**, Wake Up: Dr. Lauren Clay speaks on improving family health post-disaster, <https://www.wivb.com/wake-up/dr-lauren-clay-speaks-on-improving-family-health-post-disaster/> March 24, 2020.

**Newspaper, News & Observer (Raleigh, North Carolina)**, More than a year after Florence, many people still need help feeding their families, <https://www.newsobserver.com/news/weather-news/article237756914.html> December 6, 2019.

**Newspaper, Sun Journal (New Bern, North Carolina)**, New study looks at Hurricane Florence impacts on food chain, <https://www.newbernsj.com/news/20190111/new-study-looks-at-hurricane-florence-impact-on-food-chain> January 11, 2019.

## Keynotes & Invited Talks

Clay, LA “Climate Change, Disasters, and Food Security: Impacts and Disparities” Invited webinar. NIH Climate and Health Initiative. 15 May 2023

Clay, LA, Squires, N., Smith, L. “Restocking the Pantry for the Next Disaster: Lessons learned from a crisis within a crisis.” Invited plenary: Public Health and Disasters Conference. West Jordan, UT, 10 November 2022.

Clay, LA, Koyratty, N. “Monitoring Food Security Pre- and Post-Disaster: The Disaster Food Security Scale” Invited session: Public Health and Disasters Conference. West Jordan, UT, 9 November 2022.

Clay, LA. “Post-Disaster Food and Nutrition Security: Setting the Stage” Food and Nutrition Section Invited Panelist: [Pandemic changes to public health nutrition programs: What should we keep? What should we let go?](#) American Public Health Association Annual Meeting and Expo, Boston, Massachusetts. 6-9 November 2022.

Clay, LA. “DesignSafe-CI as a Transformative Research and Collaboration Tool”. Invited panelist: Cyberinfrastructure for Major Facilities: Challenges and a Path Forward. CI for Major NSF Facilities Workshop. 1-2 March 2022.

Clay, LA. “Disasters and Disruptions: Consequences and Opportunities for Food Systems and Food Security”. Keynote speaker: Mobile Market Summit, Buffalo, NY, 29 March 2022.

## Conference Presentations (\*denotes student)

Michael, Y., Clay, LA, Smiley, KT, Joshi, R., Hirsch, J. “Weather-related Disaster in a Diverse Cohort of Aging Adults” Accepted poster presentation. *Gerontological Society of America (GSA) 2021 Annual Scientific Meeting*, 10-14 November 2021.

\*Koyratty, N., Clay, L.A., Penta, S., Silver, A. "COVID-19 Pandemic: Food insecurity risk and food access perceptions, practices, and problems in the United States" Oral presentation at the American Public Health Association 2021 Annual Meeting & Expo, 21-24 October 2021.

Sosna, A., Hall, A., Clay, LA, Myers, L, Haynes-Maslow, L., Fleischhacker, S., Colón-Ramos, U. "Nutrition in Emergencies: Lessons Learned and Opportunities Moving Forward" *Oral presentation. Society for Nutrition Education and Behavior Annual Meeting*, 10 August 2021.

\*Riobueno-Naylor, A., Clay, L., Lai, B.S., \*Aubé, S.S. "How do stressors influence mental health outcomes in a pandemic?" Accepted for presentation at the 46<sup>th</sup> Annual Natural Hazards Workshop. 11-14 July 2021.

\*Koyratty, N., Clay, L.A., Silver, A., Penta, S. "Food Insecurity Risk and Food Access Perceptions, Practices, and Problems in New York State during the COVID-19 Pandemic" Poster presentation at the New York State Public Health Partnership Conferences 25-30 April 2021.

\*Riobueno-Naylor, A., Clay, L., Lai, B.S., \*Aubé, S.S. "How do stressors influence mental health outcomes in a pandemic?" Lightning talk presented at the Spring 2021 *William Averette Anderson Fund Workshop*. March 2021.

Clay, L.A., \*Heath, B., Gadhoke, P., Gu, A. "Health and Social Consequences of Food Environment Disruption Due to COVID-19: Preliminary findings from NY State" Presented at the *International Research Committee on Disasters Researcher's Meeting*, virtual, 15-16 July, 2020.

Clay, L.A., Greer, A. "Emerging risks: challenges and opportunities to adapt, adjust, and bolster resilience to hazards." Session organizer. *International Sociological Association Forum*, Porto Allegre, Brazil 27 Feb 2021. *Organized but did not attend due to COVID-19*

Clay, L.A., Greer, A. \*King, D., \*Slotter, R. "Food as an Opportunity for Bolstering Disaster Resilience: The social supportive nature of food and food response following Hurricane Florence." Presented at the *Southern Political Science Association Conference* within a Conference on Politics of Disasters, Resilience, and Recovery, San Juan, Puerto Rico, 9-11 January 2020.

Ross, A. & Clay, L.A. "Natural Hazard Governance in Rural Communities: Insights from a Capitals Approach to Resilience." Presented at the *Southern Political Science Association Conference* within a Conference on Politics of Disasters, Resilience, and Recovery, San Juan, Puerto Rico, 9-11 January 2020.

McCrary, S. & Clay, L. "Academic Writing: A Cross-Disciplinary Comparison of Two Writing Intensive Course Models." Presented at the *Symposium on Scholarship of Teaching and Learning*, Banff, Alberta, 7-8 Nov 2019.

Clay, L.A. & Ross, A.R. "Factors associated with food insecurity following Hurricane Harvey." Presented at the Hurricane Response and Recovery Strategies and Outcome Roundtable at the 147<sup>th</sup> *American Public Health Association Annual Meeting*, Philadelphia, PA 2-6 November 2019

Clay, L.A. & Abramson, D. "Community social institutions protective against poor child mental health in families affected by the Deepwater Horizon Oil Spill." Oral presentation at the *Interdisciplinary Association for Population Health Research Annual Meeting* 1-4 October 2019 Seattle, Washington.

Clay, L.A. "The Post-Disaster Food Environment: An in-depth case study of the local food system in New Bern, North Carolina following Hurricane Florence." Invited presentation at the *International Sociological Association Research Committee on Disasters Researchers Meeting*, Broomfield, CO 17-18 July 2019.

Clay, L.A. "Hurricane Florence: An in-depth case study of a disaster affected local food system." Oral presentation at the *Northern European Conference on Emergency and Disaster Studies*, Uppsala, Sweden 10-12 June 2019

Knox, C., Clay, L.A. "Post-disaster resiliency: planning to meet community needs during the short-term recovery phase." Panel at the *Northern European Conference on Emergency and Disaster Studies*, Uppsala, Sweden 10-12 June 2019

\*King, D., Clay, L., Greer, A., Slotter, R. \* "Hurricane Florence: Impacts on Household Food and Meals." Poster presentation at the *New York State Academy of Nutrition and Dietetics Annual Meeting*, Syracuse, NY 5-6 April 2019.

Ross, A., Clay, L., Jensen, J. "The Holistic Individual Preparedness Model (HIPM): Accounting for Social, Health, and Technological Capacities across Disaster Response and Recovery." Oral presentation at the *Gulf of Mexico Oil Spill & Ecosystem Science Conference*, New, Orleans, LA, 4-7 February 2019.



Clay, L.A. & Greer, A. B. "Association between Long-Term Stressors and Mental Health Distress Following the Moore, 2013 Tornadoes: A Pilot Study" Presented at the *International Sociological Association World Congress on Sociology*, Toronto 15-21 July 2018.

Ross, A.R., Clay, L.A. "The Forgotten Communities of Hurricane Harvey: Filling Gaps in the Conceptualization of Disaster Resilience" Presented at the *Third Northern European Conference on Emergency and Disaster Studies*, Amsterdam, Netherlands 21-23 March 2018.

Clay, L.A., Abramson, D.M. "Improving Community Health from the Fringes: The Critical Role of Social Institutions" Presented at the *Third Northern European Conference on Emergency and Disaster Studies*, Amsterdam, Netherlands 21-23 March 2018.

Clay, L.A., Papas, M.A. "Social Support: A New Strategy for Disaster Preparedness" Presented at the *Third Northern European Conference on Emergency and Disaster Studies*, Amsterdam, Netherlands 21-23 March 2018.

Clay, L.A., Greer, A., Kendra, J.M. "Timeless Disaster Studies: Disaster Research in Xenia, Ohio, USA" Presented at the *Third Northern European Conference on Emergency and Disaster Studies*, Amsterdam, Netherlands 21-23 March 2018.

Clay, L.A. & McCrory-Churchill, S. "Interdisciplinary global health study abroad: student perspectives" Presented at the *17<sup>th</sup> Annual Niagara University CCTL Conference on Teaching and Learning*, Niagara University, NY 9 January 2018.

Clay, L.A., Papas, M.A., Gill, K.B., Kendra, J.M., Abramson, D.A. "Post-disaster food environment." Panelist at the *145th American Public Health Association Annual Meeting*, Atlanta, GA, 4-8 November 2017.

Clay, L.A., Papas, M.A., Gill, K.B., Abramson, D.A. "Food Insecurity during Long-Term Recovery from Hurricane Katrina: A Longitudinal Analysis." Poster presentation at the *American College of Epidemiology Annual Meeting*, New Orleans, Louisiana, 24-26 September 2017.

Clay, L.A., Greer, A., Ventura, D.\* "Influence of Resource Loss, Debt, and Health on Disaster Recovery from the Moore, Oklahoma 2013 Tornadoes." Poster presentation at the *Natural Hazards Workshop*, Broomfield, CO, 9-12 July 2017.

Curtin, K., Cadzow, R., Baldwin, S., Bauer Walker, J., Clay, L., Ventresca, A., Rafalson, L. "School Health and Wellness Collaborative: Evaluation of a School-Community-Academic Partnership to Improve Engagement in School Wellness Work." *Academy Health Annual Research Conference*, Boston, MA, 26-28 June 2016.

Clay, L.A., Goetschius, J.B., Papas, M.A., Kendra, J.M. "Does Being Prepared Matter? The Influence of Household Preparedness on Disaster Outcomes." Oral Presentation at the *144th American Public Health Association Annual Meeting and Exposition*, Denver, CO, 29 October – 2 November 2016.

Clay, L.A., & Abramson, D.M. "Mapping Community Social Capital: An exploratory study of community organizations following the 2010 Gulf Coast Oil Spill." Oral presentation at the *4th International Conference on Urban Disaster Reduction*, Wellington, NZ, 17-20 October 2016.

Clay, L.A., Goetschius, J.B., Papas, M.A., Kendra, J.M. "Urban Household Preparedness: Observations on disaster outcomes and mental health in households impacted by Superstorm Sandy in NYC." Lightning presentation at the *4th International Conference on Urban Disaster Reduction*, Wellington, NZ, 17-20 October 2016.

Papas, M., Clay, L., Gill, K., Abramson, D. "Continued food insecurity post-Hurricane Katrina is associated with worse perceived disaster recovery, physical and mental health." Oral presentation at the *143rd American Public Health Association Annual Meeting and Exposition*, Chicago, IL, 31 October – 4 November 2015.

Clay, L., Papas, M., Abramson, D., Kendra, J. "Influence of Community Social Institutions on Perceptions of Neighborhood Disorder". Poster Presentation at the *Natural Hazards Workshop*, Broomfield, CO, 19-22 July 2015.

Clay, L., Papas, M., Abramson, D., Kendra, J. "Influence of social institutions on disaster recovery outcomes following Hurricane Katrina". Oral presentation at the *142nd American Public Health Association Annual Meeting and Exposition*, New Orleans, LA, 15-19 November 2014.

Clay, L., Papas, M., Kendra, J. "Social institutions: A novel approach to measuring social capital in communities". Poster presentation at the *142nd American Public Health Association Annual Meeting and Exposition*, New Orleans, LA, 15-19 November 2014.

Clay, L., Papas, M., Kendra, J. "Social institutions: A novel approach to measuring social capital in communities." Poster presentation at the *Natural Hazards Workshop*, Broomfield, CO, 2014.

Clay, L., Greer, A. & Kendra, J. "Then and Now: A New Look at Methods and Findings from the 1974 Xenia, Ohio (US) Tornadoes." Oral presentation at the *XVIII International Sociological Association (ISA) World Congress of Sociology*, Yokohama, Japan, 2014.

Greer, A., Clay, L. "Successful Failure: Responding to Disaster Mental Health Needs Following Disaster." Oral Presentation at the *Graduate Student Forum*, University of Delaware, Newark, DE, 2014.

Clay, L., Greer, A., Kendra, J. "Successful Failure: Responding to Disaster Mental Health Needs Following Disaster." Poster Presentation at the *Disaster Research Center 50th Anniversary Workshop and Celebration*, University of Delaware, Newark, DE, 2014.

Clay, L., Greer, A., Gill, K., Kendra, J. "Disaster Mental Health Response: Lessons Learned from a Case Study of the 1974 Xenia Tornadoes." Poster presentation at the *Natural Hazards Workshop*, Broomfield, CO, 2013.

Clay, L., Goetschius, J., Kendra, J., Papas, M. "Effect of Mental Health on Disaster Preparedness." Oral presentation at *American Public Health Association Annual Meeting*, San Francisco, CA, 2012.

Clay, L., Goetschius, J., Kendra, J., Papas, M. "Poor Mental Health as an Influence on Disaster Preparedness." Poster presentation at *Natural Hazards Workshop*, Broomfield, CO, 2012.

## Teaching

### *D'Youville College*

#### UNDERGRADUATE

Introduction to Public Health [F20]

Special Topics in Health Analytics and Data Visualization [S20]

Research Methods [F18, F19, F20]

Global Health, Writing Intensive course, faculty-led study abroad [S16, S17, S18, S19, S20, S21]

Health Behavior Theory (online) [F15, F16, F17, F18, S19, F19, F20]

Public Health Capstone [F16, S17, SU17, S18, F18, S19, F19, S20]

Internship Seminar [S15, F15, S16, F16, S17, F17, S18, F18, S19, S21]

Advanced Internship Seminar [S15, F15, S16, F16, S17, F17, S18, F18, S19, S21]

#### GRADUATE

Thesis Advisement [F16, S17, SU17, S18, SU18, F18, S19, F19, S20, F20, S21]

Thesis Seminar [S15, S16, F16, F17]

### *University of New England Graduate Program in Public Health*

#### GRADUATE

Environmental Health (online) [SU21]

Principles of Public Health (online) [F18]

Principles of Epidemiology (online) [F17, S18, F18]

Public Health Emergency Preparedness (online) [SU17, S18, SU18, S19, SU19, F19, S20, SU20, F20]

### *Haverford College*

#### UNDERGRADUATE

Epidemiology and Global Health [S13]

## Student Mentorship (*mentored accomplishments*)

Marlene Wakefield, DYC, Doctoral Advisee, Health Administration. Dissertation: Developing a culturally relevant NAAN food security scale. *Received dissertation funding from the Natural Hazards Center Quick Response Research Award Program, based on work supported by the National Science Foundation (NSF Award #1635593) (\$4,000) 2020-present*

Nadia Koyratty, Disaster Research Lab, Research Assistant, University at Buffalo, School of Public Health, Epidemiology and Environmental Health Doctoral Candidate. *Student-led manuscript in preparation for submission to the American Journal of Public Health. 2020-present*

Britta Health, DYC Disaster Research Lab, Undergraduate Research Assistant, Dietetics Program. *Poster presentation at RISE Conference 2019: Transforming University Engagement in Pre- and Post-Disaster Environments: Lessons from Puerto Rico. Co-author on manuscript (in press) from Disaster Medicine and Public Health Preparedness. 2019-2021*

Analeeza Leggett, DYC Disaster Research Lab, Undergraduate Research Assistant, Public Health major. *Poster presentation at RISE Conference 2019: Transforming University Engagement in Pre- and Post-Disaster Environments: Lessons from Puerto Rico. Accepted to Tufts Master of Public Health program for Fall 2020. Accepted to Cornell University MPH Program. 2019-2020*

Curtis Hinterberger, DYC Disaster Research Lab Graduate Research Assistant, Dietetics Program. 2019-2020

Danielle King, DYC Graduate Research Assistant on Hurricane Florence Food Environment Study. *Student Research Award at 2019 D'Youville Research Day. Accepted to PhD program in translational biomedical research at the Ohio State University. 2018-2019*

Sarah Wise, DYC Disaster Research Lab, Undergraduate Research Assistant, Health Analytics. *Poster presentation at RISE Conference 2019: Transforming University Engagement in Pre- and Post-Disaster Environments: Lessons from Puerto Rico. 2017-2019*

Tara Kruse. DYC Undergraduate Research Assistant on the Hurricane Harvey Rural Resilience Project & Hurricane Florence rapid research on the post-disaster food environment. *Participant in fieldwork, household and organizational interviews, and data analysis. 2017-2019*

Vonda Moore, DYC Health Services Administration MS Thesis student. *Motivation and Quality of Life for Patients Undergoing Wound Therapy. 2017-present*

Laurel Walters. DYC Health Services Administration MS Thesis student. *Knowledge, attitudes, and practices related to diabetes among African and Caribbean Canadians. 2017-2020*

Dusuba Sesay. DYC Health Services Administration MS Thesis student. *A retrospective study of the impact of social and cultural beliefs and practices on the Ebola Outbreak 2013-2016 in Sierra Leone. 2018-2018*

Deanna Ventura. DYC Undergraduate Mentored Research Experience Public Health Capstone. *Research presentation at D'Youville College Research Day and poster presentation at the Natural Hazards Workshop in 2017. 2016-2017*

Amanda Kelly. DYC Health Services Administration MS Thesis student. *The Association between Stroke Diagnosis on Knowledge of Stroke Signs and Symptoms. Award for Best Research in the School of Health Professions 2017. 2016-2017*

Amy Yoder. DYC Health Services Administration MS Thesis student. *Healthcare IT Security in Disaster Planning. 2015-2016*

Lauren Campise. DYC Health Services Administration MS Thesis student. *Evaluation of a Multicomponent, Theory-Informed Nurse Communication Training Program. 2015-2016*

## Training and Professional Development

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|------|---|
| 2021 | American Association for the Advancement of Science (AAAS) Science Communication, Engaging the Media, Engaging through Social Media, Engaging Policymakers, Engaging Faith Communities (13 hours) |
| 2020 | Tableau for Healthcare Professionals, Beginner/Intermediate Level (16 hours)  |

2018	Faculty Institute for Diversity: Train the Trainer workshop, Cornell University (3-day intensive)
2018	American Association for the Advancement of Science (AAAS) Public Engagement Workshop
2018	Teach Students How to Learn. Facilitated workshop with Sandra Maguire, author of <i>Teach Students How to Learn</i> (2015) (2-week intensive)
2018	Team Based Learning. Facilitated workshop with Jim Sibley, author of <i>Getting Started with Team Based Learning</i> (2014) (2-week intensive)
2018	Promoting and Assessing Significant Learning. Facilitated workshop with Barkley and Major, authors of <i>Learning Assessment Techniques</i> (2016) (2-week intensive)
2018	Integrated Course Design II. Facilitated Workshop based on Fink's <i>Creating Significant Learning Experiences</i> (2013) (2-week intensive)
2017	Integrated Course Design I. Facilitated Workshop based on Fink's <i>Creating Significant Learning Experiences</i> (2013) (2-week intensive)
2014	Higher Education Teaching Certification Program, University of Delaware (1-year program)
2013	Summer Institute in Epidemiology, Johns Hopkins School of Public Health, Multilevel Modeling

## Service to the Department, College, & University

### *University of Maryland, Baltimore County*

2022 - 2023 Chair, Public Health Research Center Proposal Development Working Group

### *D'Youville*

2019 -	Faculty Senate, Research Committee
2019 -	Academic Policies Committee, School of Health Professions
2018 - 19	Undergraduate Curriculum Committee
2018 -	Diversity and Inclusion Council, Founding member
2018 -	Public Health Student Association, Faculty Advisor
2017 -	Department Personnel Committee (Promotion and Tenure Review Committee)
2017 - 18	Mission Integration Advisory Council
2017 - 18	Search Committee for Director of Institute for Teaching Integration
2017 - 19	Institute for Teaching Innovation Steering Committee, Founding member
2016 -	Academic Advisor, Public Health and Health Analytics Programs
2016 - 18	Canvas Steering Committee
2015 -	Dietetics Program Advisory Board
2014 - 18	Academic Integrity Board
2014 - 18	Undergraduate Academic Policies Committee

## Service to the Profession and Community

2021 -	Co-Chair, <a href="#">HER NOPREN COVID-19 Food and Nutrition Working Group</a>
2020 -	COVID-19 Working Group Member, <a href="#">National Institutes of Environment Health Science, Disaster Research Response (DR2)</a>
2020 -	Survey Subgroup Lead, <a href="#">NOPREN Ad Hoc COVID-19 &amp; Food Insecurity Working Group</a>
2020 -	Editorial Panel Member: <i>Journal of Flood Risk Management</i> (Wiley)
2019 -	<a href="#">Interdisciplinary Association of Population Health Science (IAPHS)</a> , Awards Committee
2019 -	<a href="#">Earthquake Engineering Research Institute (EERI) Learning from Earthquakes Program Public Health Working Group</a>
2018 - 21	<a href="#">Erie Niagara Area Health Education Center (EN-AHEC)</a> , Board Member, Secretary

- 2018 - FEMA Higher Education - Theory and Research Special Interest Group  
2014 – 19 [William Averette Anderson Fund](#), Mentoring Subcommittee  
2012 – 14 [International Association of Emergency Managers \(IAEM\)](#) Student Chapter, Founding Vice President & University and Colleges Caucus Student Representative  
2011 – 14 Medical Reserve Corps, Philadelphia, Advisory Committee & Corps Member

## Other

*Professional Memberships:* American College of Epidemiology (ACE), Member; American Public Health Association (APHA); International Association of Population Health Studies (IAPHS); International Sociological Association, Research Committee on Disasters (RC-39); Association of University Programs in Health Administration (AUPHA) 2014-2021.

*Refereeing:* Johns Hopkins University Press; Society and Natural Resources; Journal of Flood Risk Management; The Sociological Quarterly; International Journal of Environmental Research and Public Health; Natural Hazards Review; International Journal of Mass Emergencies and Disasters, Journal of Emergency Management; Disaster Medicine and Public Health Preparedness, Journal of Primary Care and Community Health

*Certifications:* Geographic Information Systems Proficiency Certificate; Certified Phlebotomist (American Society of Clinical Pathologists)

*Software:* Stata, SPSS, ArcGIS, QGIS, Tableau, MindManager