

E2H2 PUBLICATIONS

Book

- Hernández, D and Laird J. *Powerless the People's Struggle for Energy*. Russell Sage Foundation. April 2025.

Commentaries

- Hernández, D. (2024). Prisms of Possibility: Biographically situated insights on the transformative potential of sustainable affordable housing. *Real Estate Economics*. (Invited).
- Fleishman, R., Hand, E., Perrow, M., & ^Hernández, D. (2024). Energy Insecurity-What Is It, And Why Does It Matter? *Energy Law Journal*, 45, 67. (Invited).
- Hernández, D. (2023) "Energy Insecurity and Health: America's Hidden Hardship, " *Health Affairs* Health Policy Brief. doi: 10.1377/hpb20230518.472953 (Invited).
- Hernández, D. "Climate Justice Starts at Home: Building Resilient Housing to Reduce Disparate Impacts from Climate Change in Residential Settings." *American journal of public health* 112.1 (2022): 66-68. (Invited).
- Levy, J. I., & Hernández, D. (2022). New Frontiers of Environmental Justice. *American journal of public health*, 112(1), 48-49. (Invited).
- Hernández, D, and Swope, C. (2019) "Housing as a Platform for Health and Equity: Evidence and Future Directions" *American Journal of Public Health*. doi: 10.2105/AJPH.2019.305210
- Hernández, D. (2019) "Housing-based Interventions: Harnessing the Social Utility of Housing to Promote Health" *American Journal of Public Health* [Special Issue on 'Innovations in Health Promotion'] Feb;109(S2): S135-S136. doi: 10.2105/AJPH.2018.304914. (Invited).
- Hernández, D. (2013). Energy insecurity: A framework for understanding energy, the built environment, and health among vulnerable populations in the context of climate change. *Am J Public Health*, 103(4), e32-e34. doi:10.2105/AJPH.2012.301179

Journal Articles

- Flores, N., Rudolph, K., Spira-cohen, A., Walters, S. Do, V., Northrop, A., Hernández, D, Lovinsky-Desir, S., Perzanowski, M., Casey, J. Electrical power outages and asthma-related emergency department visits in New York City, 2019-2022. *Epidemiology* [In Press]
- Si, Y., Fasulo, A., Li, Q., Feng, C., ^Hernández, D. 2025. Street-level Bureaucrats' Perspectives on Artificial Intelligence (AI) and Robotics Adoption: A Mixed-Methods Study of New York City's Building Sector. *AI & Society* [In Press]
- Sprague N., Meltzer, G., Dandeneau, M., De Los Santos, D., O'Neil, D. Kim, A., Parisi, A Araujo, S., Ekenga, C., Siegel, E.L., ^Hernández, D 2025. A role for Artificial Intelligence (AI) in qualitative research? An exploratory analysis examining New York City Residents' perceptions on climate change *Sustainability* [In Press]

- Dsouza, N. et al., Community-Level Perceptions of Housing Services for People with Opioid Use Disorder: A Qualitative Analysis of Community Stakeholders in the HEALing Communities Study. *Substance Abuse Treatment, Prevention, and Policy*. [In Press]
- Cello, M. Laird, J., ^Hernández, D. Energy Insecurity and Mental Health: Exploring the Links Between Energy Hardships and Anxiety and Depression. *Sustainability* [In Press]
- Kirsht, Y. N., Figueroa, A. J., Martín, C., Reames, T., & ^Hernández, D. (2025). Race, rates, and energy insecurity: exploring racial disparities in electricity costs and consumption in US utility service areas. *Scientific Reports*, 15(1), 34263..
- Li, A., Toll, M., Chapman, R., Howden-Chapman, P., Hernández, D., Samuelson, H., Woodward, A. and Bentley, R., 2025. Housing at the intersection of health and climate change. *The Lancet Public Health*, 10(10), pp.e865-e873.
- Laird, J., & Hernández, D. (2025). Racial and Ethnic Disparities in the Relationship Between Homeownership, Income, and Energy Insecurity. *Housing Policy Debate*, 1-18.
- Mohr, S., Walsh, E., Hernández, D., Berisha, V., Viera, E., Bishop, T., Baker, T., Ward, J. and Dale, A.P., 2025. Prevalence of Energy Burden in a South Phoenix Community and Implications for Public Health. *Environmental Justice*. <https://doi.org/10.1177/1939407125137235>
- Ornelas, Van Horne, Y., Hernández, D., Wengerter, K., Lopes, E., Betances, K., DeJesus, B., Johnson, M. Vasquez, L., and Hilpert, M. (2025). Strengthening Community Science: Engaging Youth to Build an Open-Source Educational Air Monitoring Tool *Environmental Justice* DOI:10.1089/env.2024.0086
- Yama, C., Rook, J. M., Wisk, L. E., Dudovitz, R., Hernández, D., Eisenman, D. P., & Leifheit, K. M. (2025). Expiration of the Expanded Child Tax Credit and Energy Insecurity in US Households With Children, 2021–2022. *American Journal of Public Health*, (0), e1-e10.
- Northrop, A. J., Do, V., Sheffield, P. E., Hernández, D., Clougherty, J., & Casey, J. A. (2025). Electricity inaccessibility across historically redlined and present-day disadvantaged areas in New York City. *Journal of exposure science & environmental epidemiology*, 1-11.
- Mckenna, C., Gronlund., C., Hernández, D, Vaishnuv, P. (2025). “When homeowners lose momentum after an energy audit: barriers to completing weatherization in the United States Midwest” *Energy Research and Social Sciences*.
- Si, Y., Kinol, A., Yi, H., ^Hernández, D. (2025). Space for Justice in Sustainable Development Goal 7 (SDG7) Discourse: Examining Hashtag Co-Occurrence Networks and Energy Justice Messaging on Social Media. *Sustainable Development*
- Do, V., Yuan, A., Lane, K., Smalls Mantey, L., Siegel, E., Olson, C., Daouda, M., Casey, J., ^Hernández, D. (2025). A cross-sectional study characterizing the prevalence of utility service outages across demographic characteristics and health correlates in New York City. *Environmental Epidemiology*

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- Shumway, E., Hernández, D., Shastry, V., Krasniqi, Q., Austin, A., Gerrard, M. (2024). “Addressing Energy Insecurity Upstream: Equity in Electric Utility Ratemaking and Rate Design” *Energy Law Journal*.
- Carrión, D., ^Hernández, D. (2024). “Heatwaves and Hardships: Enhancing the Low Income Home Energy Assistance Program to Mitigate Extreme Heat and Energy Insecurity” *Electricity Journal*.
- Lane, K., Daouda, M., Yuan, A., Olson, C. Smalls-Mantley, L., Siegel, E., ^Hernández, D. (2024). “Readiness for a clean energy future: Prevalence, perceptions, and barriers to adoption of electric stoves and solar panels in New York City.” *Energy Policy*.
- Sprague, N., Fan, I., Dandeneau M., Hernandez Perez, J.F., Birmingham, J., De Los Santos, D., Riddick, M., Meltzer, G., Siegel, E.L., ^Hernández, D. (2024). “StreetTalk: exploring energy insecurity in New York City using a novel street intercept interview and social media dissemination method” *Humanities and Social Sciences Communications* (Nature) DOI : 10.1057/s41599-024-03477-5
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- Flores, N. M., Northrop, A. J., Do, V., Gordon, M., Jiang, Y., Rudolph, K. E., Hernández, D. & Casey, J. A. (2024). Powerless in the storm: Severe weather-driven power outages in New York State, 2017–2020. *PLOS Climate*, 3(5), e0000364.
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- Grilo, S. A., Santelli, J. S., Nathanson, C., Catalozzi, M., Abraido-Lanza, A. F., Adelman, S., & Hernández, D. (2023). Psychosocial outcomes and peer influences among multiracial adolescents in the United States. *Frontiers in public health*, 11, 852268.
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- Daouda, M.; Carforo, A.; Jack, D.; ^Hernandez, D. (2023) "Cooking with Induction: Empirically-Based Insights on the Transition Away from Gas Stoves in New York City" *Environmental Science & Technology*

- Swope, C.; Hernández, D., and Cushing, L. (2022) "The relationship of historical redlining with present-day neighborhood environmental and health outcomes: A scoping review and conceptual model" *Journal of Urban Health* (2022): 1-25.
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Other Publications— Book Chapters, Encyclopedia Entries, Case Reports & Policy Briefs

- Hernández, D and Ross, L. Maintaining Momentum to Tackle Energy Insecurity Amid Federal Climate Policy Shifts: Lessons Learned And Pathways Forward. Roosevelt Institute Report. [In Press]
- Hernández, D., Lane, K., Smith, C., Do, V., Yuan, A., Smalls-Mantey, L., Daouda, M., Bozzi, L., Olson, C. 2025. *Policy Options to Address Energy Insecurity in New York City*. New York: Energy Equity, Housing and Health Program, Mailman School of Public Health, Columbia University with NYC Department of Health and Mental Hygiene and WE ACT. [In Press]
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- Krasniqi, Q., Shastry, V., and Hernández, D. 2025. “Centering Electricity Affordability in the Utility Ratemaking Process” Roundtable Summary, Center on Global Energy Policy
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