

LORENA M. ESTRADA-MARTÍNEZ, PH.D., MPH
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EDUCATION

- 2009 Doctor of Philosophy
Department of Health Behavior and Health Education
School of Public Health, the University of Michigan, Ann Arbor, MI
Dissertation: The Colonial Subjects: Intersections of Race and Ethnicity in Youth Violence
- 2004 Master of Public Health
Department of Health Behavior and Health Education
School of Public Health, the University of Michigan, Ann Arbor, MI
- 2002 Bachelor of Arts
Psychology
Facultad de Ciencias Sociales, Universidad de Puerto Rico, Rio Piedras Campus, San Juan, PR
Magna Cum Laude

CURRENT AND PREVIOUS POSITIONS

- 2018 – Assistant Professor of Environment and Public Health
Present Department of Urban Planning and Community Development
School for the Environment, University of Massachusetts Boston, Boston, MA
- 2014- Assistant Professor of Urban Public Health
2018 Community Development Program
College of Public and Community Service
University of Massachusetts Boston, Boston, MA
- 2011- Assistant Professor of Public Health
2014 George Warren Brown School of Social Work
Washington University in St. Louis, St. Louis, MO

2009- Paul B. Cornely Postdoctoral Research Scholar (Social Epidemiology)
2011 Center for Research on Ethnicity, Culture, and Health (CRECH)
University of Michigan, Ann Arbor, MI

PUBLICATIONS

1. **Estrada-Martínez, L.M.**, Negrón, R., Colón, J., Nazario, C. M., Poynton, H., Hernández-Talavera, V., Oyola-Vivas, A., Linde Arias, A.R. The impact of the U.S. Navy on health and local development in Vieques, Puerto Rico. *International Journal of Environmental Research and Public Health*. Submitted August 2021. Revisions submitted October 2021. Currently under review.
2. **Estrada-Martínez, L.M.**, Raciti, A., Reardon, K.M., Reyes, A.G., & Israel, B.A. (2021). Is the scholarship of engagement a meaningful approach to foster social change in community development education? Field notes from three community/university partnerships. *International Journal of Community Well-Being*, 4: 181-206.
3. **Estrada-Martínez, L.M.**, Grossman, J., & Richter, A. (2021). Hispanic adolescents' sexual behaviors: The role of different types and sources of sex communication. *Sex Education*, 21(1): 59-74.
4. **Estrada-Martínez, L.M.**, Watanabe, P., *Rivera-Kientz, K. (2020). Views that matter: Race and opinions on climate change of Boston area residents. *Sustainable Solutions Lab Publications*.
5. Rivera, L., Granberry, P., **Estrada-Martínez, L.M.**, Uriarte, M., Siqueira, C.E., Linde-Arias, A.R., & Bacigalupe, G. (2020). COVID-19 and Latinos in Massachusetts. *Gaston Institute Publications*. 253.
6. *Lee, H., & **Estrada-Martínez, L.M.** (2020). Trajectories of depressive symptoms and neighborhood changes from adolescence to adulthood: Latent class growth analysis and multilevel growth curve models. *International Journal of Environmental Research and Public Health*, 17(6), 1829. DOI: [10.3390/ijerph17061829](https://doi.org/10.3390/ijerph17061829)
7. **Estrada-Martínez, L.M.**, *Lee, H, & Shapiro, E. (2019). Trajectories of depressive symptoms from adolescence to adulthood among multiple Latino subgroups. *Journal of Latinx Psychology*, 7(4), 322-338. DOI: 10.1037/lat0000130
8. Soares GB., Siqueira CE., **Estrada-Martínez, L.M.**, Saliba Garbin CA., & Isper Garbin, AJ. (2018). Musculoskeletal disorders among Brazilian dentists in Sao Paulo. *Journal of Dental Science*, 33(1), 33-39. DOI: 10.15448/1980-6523/2-18/2969
9. **Estrada-Martínez, L.M.** (2017). Commentary on Chavez-Ayala et al.'s "Violencia y la Salud Mental Asociados a Pensar o Haber Intentado Emigrar Internacionalmente por Adolescentes Mexicanos". *Reports in Public Health. Thematic Section: Violence and Immigration*, 33(6):e00089317
10. **Estrada-Martínez, L.M.**, *Cantrell, C, *Sewell, W, Butler-Barnes, S, & *Cabrera-Nguyen, EP. (2017). Adolescent neighborhood environments and Latino intra-ethnic disparities in trajectories of serious violent behaviors. *Hispanic Journal of Behavioral Sciences*, 39(4), 504-527. DOI: [10.1177/0739986317734325](https://doi.org/10.1177/0739986317734325)

11. Butler-Barnes, S., **Estrada-Martínez, LM.**, *Colin R. J., & Jones, B.D. (2015). School and peer influences on the academic outcomes of African American adolescents. *Journal of Adolescence*, 44, 168-181. DOI: [10.1016/j.adolescence.2015.07.007](https://doi.org/10.1016/j.adolescence.2015.07.007)
12. Wells, A., Hudson, D., **Estrada-Martínez, LM.**, & Gehlert, S. (2015). Oncology and Health Care Disparities. In G. Christ, C. Messner, & L Behar (Eds.) *The Oxford Handbook of Social Work Oncology: Psychosocial Care for People with Cancer*. Oxford University Press.
13. **Estrada-Martínez, LM.**, Caldwell, C.H., & Schulz, A.J., Diez-Roux, A.V., & Pedraza, S. (2013). Families, neighborhood socio-demographic factors, and violent behaviors among Latino, White, and Black adolescents. *Youth & Society*, 45(2), 221-242. DOI: 10.1177/0044118X11411933
14. **Estrada-Martínez, LM.**, Caldwell, C.H., Bauermeister, J.A., & Zimmerman, M.A. (2012). Stressors in multiple life-domains and the risk for externalizing and internalizing behaviors among African Americans during emerging adulthood. *J of Youth & Adolescence*, 41(12), 1600-1612. DOI:10.1007/s10964-012-9778-3
15. **Estrada-Martínez, LM.**, Padilla, M., Caldwell, C.H., & Schulz, A.J. (2011). Examining the influence of family environments on youth violence across race/ethnicity: A comparison of Mexican, Puerto Rican, Cuban, non-Latino Black, and non-Latino White adolescents. *Journal of Youth and Adolescence*, 40(8), 1139-1151. DOI: 10.1007/s10964-011-9639-5
16. Israel, B.A., Schulz, A.J., **Estrada-Martínez, LM.**, Zenk, S.N., Viruell-Fuentes, E., Villarruel, A.M., & Stokes, C. (2006). Engaging urban residents in assessing neighborhood environments and their implications for health. *Journal of Urban Health*, 83(3), 523-539. DOI:10.1007/s11524-006-9053-6

*Student author

CURRENT GRANTS

2020 EPA-G2019-ORD-A1, "Community-Driven Assessment of Environmental Health Risks in Vieques, Puerto Rico," Environmental Protection Agency, **\$800,000, Principal Investigator.** May 2020 – May 2023.

2020 NSF Cultural Anthropology Program 18-560, "Social and Moral Factors in Post-Hurricane Maria Evacuation Decisions: Implications for Puerto Ricans Well-being" National Science Foundation, \$260,000, co-Principal Investigator (PI: Dr. Rosalyn Negrón), July 2020 – August 2023

PENDING GRANTS

2021 *“Community-Driven Assessment of Climate Change Impacts on Health and Food Security in Vieques, Puerto Rico,”* \$1,325,000, Principal Investigator. Submitted in response to RFA EPA-G2021-STAR-H1 *“Cumulative Health Impacts at the Intersection of Climate Change, Environmental Justice, and Vulnerable Populations/Lifestages: Community-Based Research for Solutions.”*

2021 *“HISTORICal structural racism, a driver for health disparities in testing and vaccination for COVID-19: An intra- and inter-state-level analysis (HISTORIC-19).”* \$3,684,891, Co-Investigator (PI: Philimon Gona, PhD). Submitted to the National Institutes of Health PAR-21-213 *“Emergency Award: Social, Behavioral, and Economic Research on COVID-19 Consortium.”*

2021 *“Whole animal New Approach Methodologies for predicting developmental effects of air pollutant mixtures”* \$750,000, Co-Investigator (PI: Helen Poynton, PhD). Submitted in response to RFA EPA-G2022-STAR-A1 *“Development of Innovative Approaches to Assess the Toxicity of Chemical Mixtures.”*

COMPLETED GRANTS

07/2017-06/2019 *“Adolescent communication with extended family: links to teen sexual health.”* 1R21HD088955-01A1, National Institute of Child and Human Development. Co-Investigator (PI: Jennifer Grossman, PhD), \$275,000

07/2016-06/2018 *“Examining the impact of neighborhood ecologies on the long-term health of Latino youth.”* Joseph P. Healey Research Grant, Office of the Vice-Provost for Research and Strategic Initiatives & Dean of Graduate Studies. University of Massachusetts Boston. Principal Investigator, \$12,000

10/2013-09/2014 *“Examining intra- and inter-ethnic disparities in mental health and behavioral outcomes among minority populations in the United States.”* Faculty Research Pilot Funding, Institute of Clinical and Translational Sciences, Washington University in St. Louis. Principal Investigator, \$5,000

10/2013-09/2014 *“Examining Intra-Ethnic and Inter-Ethnic Disparities in Mental Health and Behavioral Outcomes among Minority Population in the United States.”* Awardee, Faculty Research Pilot Funds, Brown School of Social Work, Washington University in St. Louis. Principal Investigator, \$2,000

SELECTED PRESENTATIONS

- 2021 Invited Speaker. Community-Drives Assessment of Environmental Health Risks in Vieques, PR. Planners for Puerto Rico Discussion Series. Virtual, May 6, 2021
- 2021 Panelist. The vitality of public health. Beacon Discussion Series, UMass Boston Alumni Engagement. Virtual, Apr 26, 2021
- 2021 Panelist. The evolution of the pandemic and current developments. Gaston Institute Speaker Series 2021. Gaston Institute of Latino Public Policy and Community Development. Virtual, Mar 24, 2021
- 2021 Keynote Speaker. *A history of place-based racial inequities*. The Intersection of Climate and Social Justice Series. Latinos in Sustainability, PSEG Institute for Sustainability Studies. Virtual, Feb 11, 2021
- 2021 Estrada-Martínez, L.M. Watanabe, P. *Views that Matter: Race and Opinions on Climate Change of Boston Area Residents*. Sustainable Solutions Lab Webinar, Sustainable Solutions Lab, Chancellor's Office, Virtual, (Feb 23, 2021).
- 2021 Estrada-Martínez, LM., Watanabe, P. *Views that Matter: Race and Opinions on Climate Change of Boston Area Residents*. Weathering Change: Local Solutions for Strong Communities Webinar Series. National Oceanography and Atmospheric Agency (NOAA) U.S. Climate Resilience Toolkit, Antioch University, New England Center for Climate Change Preparedness and Community Resilience.
- 2020 Estrada-Martínez, LM., Watanabe, P. *Views that Matter: Race and Opinions on Climate Change of Boston Area Residents*. Climate Adaptation Forum. Sustainable Solutions Lab, the Environmental Business Council of New England. Virtual, Sept 25, 2020.
- 2020 Lee, H. & Estrada-Martínez, LM. *Trajectories of depressive symptoms and person-centered neighborhood changes from adolescence to adulthood*. American Public Health Association Annual Meeting. Virtual, Oct. 24-28, 2020.
- 2020 Estrada-Martínez, LM, Grossman, J., & Richer, A. *Sex behaviors and family sexuality communication among Latinx adolescents*. American Public Health Association Annual Meeting. Virtual, Oct. 24-28, 2020.
- 2017 Estrada-Martínez, LM, Lee HJ, Ramirez R, & Gona, P. *Violence Trajectories and Neighborhood Environments: A Latent Profile and Growth Curve Model Analysis*. American Public Health Association Annual Meeting. Atlanta, GA, Nov 4-8, 2017.
- 2016 Estrada-Martínez LM, Cabrera-Nguyen EP, Cantrell C, Butler-Barnes S. *Neighborhood Environments and Racial/Ethnic Disparities in Trajectories of Depressive Symptoms and Violent Behaviors*. American Public Health Association Annual Meeting. Denver, Colorado, Oct 29–Nov 3 2016.
- 2016 Estrada-Martínez, LM. *Adolescent Neighborhood Environments and Hispanic Intra-Ethnic Disparities in Trajectories of Serious Violent Behaviors*. Latina Research Conference, San Antonio, TX. July 13–16 2016.
- 2016 Estrada-Martínez LM. *Adolescent neighborhood environments and Hispanic intra-ethnic disparities in trajectories of serious violent behaviors*. Invited Speaker: SACNAS New England Regional Conference. April 2016.

- 2014 Estrada-Martínez, L.M., Sanders-Thompson, V., Butler-Barnes, S., Liu, J., & Woods, N. *Racial Categories and the Distribution of Risk and Protection for Mental Health and Behavioral Outcomes among Latino Adolescents*. American Public Health Association Annual Meeting, New Orleans, LA. Nov 16-19, 2014
- 2014 Estrada-Martínez, L.M., Chung, S., Metzger, M., & Butler-Barnes, S. *Latino Heterogeneity, Neighborhoods, and Adolescent Risk Behaviors*. Latina Researchers Conference. John Jay College of Criminal Justice, City University of New York. April 3-5, 2014 (Invited)
- 2013 Estrada-Martínez, L.M., Chung, S., Metzger, M., & Butler-Barnes, S. *Effects of Neighborhood Social and Structural Characteristics on Intra-Ethnic Disparities in Youth Violence among Latinos*. American Public Health Association Annual Meeting, Boston, MA. Nov. 3-6, 2013
- 2012 Estrada-Martínez, L.M., Ramirez, R.R., Bird, H., & Canino, G.J. *Multiple Types of Cumulative Victimization and Risk for Psychiatric Disorders among Puerto Rican Youth in Two Contexts*. American Public Health Association Annual Meeting, San Francisco, CA. October 27-31, 2012
- 2011 Estrada-Martínez, L.M., Caldwell, C.H., Schulz, A.J., Diez-Roux, A.V., & Pedraza, S. *Family Environment, Neighborhood Structures, and Violent Behaviors among Latino, Black, and White Adolescent*. Discussant: Dr. William Vega. Critical Research Issues on Latino Mental Health Meeting, Miami, FL. Nov 17, 2011
- 2011 Estrada-Martínez, L.M., Caldwell, C.H., Bauermeister, J.A., & Zimmerman, M.A. *Different Life-Domain Stressors and the Development of Violent Behaviors among African Americans Transitioning into Adulthood*. American Public Health Association Annual Meeting, Washington DC. Oct 29 – Nov 2, 2011
- 2010 Estrada-Martínez, LM., Caldwell, C.H., Schulz, A.J., & Diez-Roux, A.V. *Neighborhood Socioeconomic Status, Racial/Ethnic Composition and the Risk for Youth Violence: An Analysis among Latino, Black, and White Adolescents*. American Public Health Association Annual Meeting, Denver, CO. Nov 6-10, 2010
- 2010 Estrada-Martínez, LM. *Constructing Culturally Informed Measures of the Family Environment Across Latino Populations*. Dr. Alex Interian (Senior Mentor & Discussant), National Institutes of Mental Health (NIMH). 16th Annual Latino Behavioral Health Institute Meeting, Los Angeles, CA. September 22-24, 2010
- 2010 Estrada-Martínez, LM. *The Influence of Family Environments on Youth Violence across Race/Ethnicity: An Analysis among Latinos, Blacks, and Whites*. Discussants: Dr. Javier Escobar & Dr. Augusto Pérez Gómez. Presentation at the Critical Research Issues on Latino Mental Health Meeting, New Brunswick, NJ. Jun 11, 2010

TEACHING EXPERIENCE

UNIVERSITY OF MASSACHUSETTS BOSTON

- *Coasts and Communities (ENVSCI 603)*

- *Community Health and Environment (UPCD 210)*
- *Introduction to Research Methods and Community Analysis (UPCD 301)*
- *Quantitative Research Methods in Community Development (UPCD 303)*
- *First-Year Seminar in Environmental Sciences (ENVSCI 187s, 188s)*
- *Directed Readings in the Social Determinants of Health (UPCD 478)*
- *Community Profiles in Public Health (Honors 380)*

WASHINGTON UNIVERSITY IN ST. LOUIS

- *Research Methods in Social Work Practice (S15/S55.5005)*
- *Theories of Health Behavior and Health Promotion (S55.5001)*
- *Transdisciplinary Problem Solving: Youth Violence (S55.5306)*
- *Critical Issues in Latino and Immigrant Health (S55.5140)*
- *Introduction to SPSS in Behavioral and Social Sciences, Brown School/Fudan University Summer Institute for Social Policy. Fudan University, Shanghai, China, Summer 2013*

GRADUATE STUDENT MENTORSHIP

- Katsyris Rivera-Kientz, MA – Doctoral Student in Sociology (UMass Boston)
- Johnna Flahvin, MA – Doctoral Student in Environmental Science (UMass Boston)
- Konstantina Ploumi, MS – Doctoral Student in Environmental Science (UMass Boston)
- Natalie Arbid, MS – Doctoral Student in Psychology (UMass Boston)
- Hyunjung Lee, MS – Doctoral Student in Public Policy (UMass Boston)
- Candace Cantrell, MA – Doctoral Student in Sociology (UMass Boston)
- Vincent Barros, MAE (UMass Boston)
- Elián Cabrera, MSW, Ph.D. - Doctoral Student (Brown School of Social Work)
- Saras Chung, MSW – Doctoral Student (Brown School of Social Work)
- Marya Serdyukova, MPH (Brown School of Social Work)
- Julie Brown, MSW (Brown School of Social Work)
- Ana Vargas, MSW (Brown School of Social Work)
- Jacob Perkins, MSW (Brown School of Social Work)

SERVICE

UNIVERSITY OF MASSACHUSETTS BOSTON

- Andres Torres Award Reviewer, 2019-2020
- School for the Environment, Community Development Undergraduate Program, Fall 2019-present
- School for the Environment, Faculty Senate, Fall 2019-2021
- School for the Environment, Strategic Planning Committee, 2019-2020
- School for the Environment, Personnel Committee, Spring 2019
- Sustainable Solutions Lab, Faculty Associate, Spring 2019-present

- Mauricio Gastón Institute for Latino Community Development and Public Policy, Executive Committee, 2015-present
- Urban Public Health Program Development Committee, Fall 2014-Spring 2017
- Latino Studies Program, Core Faculty and Executive Committee, Fall 2015-present
- Center for Innovative Teaching, Executive Committee, Fall 2016-2019
- Critical Ethnic and Community Studies, Affiliated Faculty, Fall 2019-present
- John F. Kennedy Student Award Committee, 2015, 2016, 2017

WASHINGTON UNIVERSITY IN ST. LOUIS

- Panelist, Beyond Black and Brown: Understanding African Americans and Latinos through History, Law, and Public Health, Co-Sponsored by the Black Graduate Council, Latino Graduate Student Alliance, and the Graduate Student Senate Committee on Diversity and Inclusiveness, Oct 29, 2013.
- Member, Student Recruitment Task Force, MPH Program, Brown School of Social Work
- Member, Diversity Committee, Brown School of Social Work
- Co-Chair Executive Board, Latino Link, Washington University in St. Louis
- Founder and Coordinator, St. Louis Latino Studies Workgroup, Washington University in St. Louis
- Member, Violence Prevention Specialization Subcommittee, Brown School of Social Work, Public Health Program, Washington University in St. Louis
- Member, Children, Youth, and Families Committee, Brown School of Social Work
- Member, Law, Culture, and Identity Initiative Advisory Board, Wash. Univ. in St. Louis School of Law
- Presenter, Diversity in Medical Sciences, Latino Youth and Violence, Washington University in St. Louis, Medical School, Mar 1, 2012
- Moderator, Pushing Back Against Push-Outs: Keeping Kids in Missouri Schools. Panelists: Valeria Carter-Thomas, Amanda Schneider, Joseph Dandurand. Washington University School of Law, 12th Annual Access to Equal Justice Colloquium. Mar 23, 2012
- Presenter, Latino Heritage Month, Washington University in St. Louis, Medical School, Nov 8, 2011

TO THE PROFESSION

- Social Work Research Association, Membership Committee, 2015
- External Grant Reviewer, Health Care Foundation, Kansas City, MO, Spring 2012
- Scientific Reviewer, American Public Health Association Annual Meeting
 - Maternal & Child Health Section
 - Public Health Education & Health Promotion Section
 - Latino Health Caucus

EDITORIAL SERVICE

- Ad-Hoc Reviewer, Advances In Social Work

- Ad-Hoc Reviewer, Justice Quarterly
- Ad-Hoc Reviewer, Child Development
- Ad-Hoc Reviewer, Social Science & Medicine
- Ad-Hoc Reviewer, Youth & Society
- Ad-Hoc Reviewer, Journal of Youth and Adolescence
- Ad-Hoc Reviewer, Journal of Family Issues
- Ad-Hoc Reviewer, The Sociological Quarterly
- Ad-Hoc Reviewer, Developmental Psychology
- Ad-Hoc Reviewer, Frontiers in Public Health Education and Promotion

PROFESSIONAL ASSOCIATIONS

- National Hispanic Science Network
- American Sociological Association
- American Public Health Association

HONORS & AWARDS

- | | |
|---------------|--|
| 2016 | Fellow, Junior Faculty Research, Center for Faculty Development, UMass Boston |
| 2016 | Fellow, Pre-Tenure Faculty Award, Center for Innovative Teaching, UMass Boston |
| 2010,
2011 | Awardee, Critical Research Issues in Latino Mental Health Training Fellowship |
| 2010 | Fellow, Emerging Scholars Interdisciplinary Network Summer Fellowship Program in Applied Multi-Ethnic Research at ICPSR University of Michigan |
| 2009 | Dissertation Award, Department of Health Behavior and Health Education, School of Public Health, Rackham School of Graduate Studies, University of Michigan |
| 2008 | Rackham Research Grant, Rackham School of Graduate Studies, University of Michigan |
| 2008 | Mabel Reuben Research Award, University of Michigan School of Public Health |
| 2003-
2006 | Minority Supplement Award. Amy J. Schulz (P.I.), Social & Physical Environments & Health Disparities (1 R01 ES10936-01), Nat. Institute of Environmental Health Sciences |
| 2002-
2007 | Rackham Merit Fellow, Rackham School of Graduate Studies, University of Michigan |

OTHER SKILLS

ADVANCED STATISTICS AND METHODOLOGY

- Survey research
- Complex sampling designs
- Multilevel (random effects) models
- Longitudinal models
- Structural equation models
- Cluster analysis
- Class analysis

DATA MANAGEMENT AND ANALYTIC PROGRAMS

- SAS, SPSS, Stata, Mplus

LANGUAGES

- English
- Spanish