

Curriculum Vitae
Jana A. Hirsch, M.E.S. Ph.D.
October 2024

PERSONAL

Work Address: *Urban Health Collaborative,
Department of Epidemiology and
Biostatistics*
3600 Market Street, Rm 706
Philadelphia, PA 19104

*All work will be remote as of March
2020.*

Email: JAH474@drexel.edu
Pronouns: She/They
ORCID: 0000-0003-3355-5558

EDUCATION

- 2014 **Doctor of Philosophy** **University of Michigan, Ann Arbor, MI**
Epidemiological Science
Dissertation: *Change in the Built Environment and its Association with Change in Walking
and Obesity in Middle Age and Older Adults*
Advisors: Dr. Ana V. Diez Roux and Dr. Philippa Clarke
- 2010 **Master of Environmental Studies** **University of Pennsylvania, Philadelphia, PA**
Environmental Health
Thesis: *Individual Food Environments of Neighbors*
Advisors: Dr. Amy Hillier and Dr. Yvette Bordeaux
- 2010 **Bachelor of Arts** **University of Pennsylvania, Philadelphia, PA**
Health and Societies/Environmental Studies/Nutrition
Thesis: *Heavy Metals in Urban Community Gardens in Philadelphia, PA*
Advisors: Dr. Amy Hillier and Mr. Richard Pepino

PROFESSIONAL EXPERIENCE

- 2023-present **Associate Research Professor**
Urban Health Collaborative, Department of Epidemiology and Biostatistics; Dornsife School
of Public Health; Drexel University, Philadelphia, PA
- 2017-2023 **Assistant Research Professor**
Urban Health Collaborative, Department of Epidemiology and Biostatistics; Dornsife School
of Public Health; Drexel University, Philadelphia, PA
- 2016-2017 **Visiting Researcher**
Centre for Hip Health and Mobility; University of British Columbia, Vancouver, BC
- 2016-2017 **Assistant Professor**
Department of Epidemiology and Biostatistics; Arnold School of Public Health; University of
South Carolina, Columbia, SC
- 2014-2016 **Postdoctoral Fellow**
Carolina Population Center; University of North Carolina, Chapel Hill, NC
- 2014-2016 **Visiting Postdoctoral Scholar**
Centre for Hip Health and Mobility; University of British Columbia, Vancouver, BC
- 2010-2014 **Graduate Student Research Assistant**
Center for Social Epidemiology and Population Health; Department of Epidemiology;
University of Michigan, Ann Arbor, MI
- 2008-2010 **Graduate Student Research Assistant**
Institute for Urban Design; Department of City and Regional Planning; University of

Pennsylvania, Philadelphia, PA

- 2008-2009 **Democratic and Civic Engagement Intern**
Urban Nutrition Initiative; Barbara and Edward Netter Center for Community Partnerships;
University of Pennsylvania, Philadelphia, PA
- 2008 **Penn Undergraduate Environmental Health Scholar**
Center for Excellence in Environmental Toxicology; University of Pennsylvania,
Philadelphia, PA
- 2007 **Student Field Research Assistant**
Department of Earth & Environmental Studies; University of Pennsylvania, Philadelphia,
PA
- 2005 **Student Field Research Assistant**
School of Marine and Atmospheric Sciences; State University New York (SUNY), Stony
Brook, NY

HONORS AND AWARDS

- 2022 **C4R Early Career Investigator Award**, Collaborative Cohort of Cohorts for Covid19
- 2013 **Student Poster Award**, Department of Epidemiology, University of Michigan
- 2010 **Elaine B. Wright Award for Excellence in Applying Environmental Science to Community Service**, Department of Earth and Environmental Science, University of Pennsylvania
- 2009 **Student Achievement Poster Award**, Environment Section, American Public Health Association
- 2006 **Science Talent Search Semifinalist**, Student Science, Intel

MEMBERSHIPS

Scientific Associations

- 2022-present **Co-Chair Social Determinants of Health Working Group**, Multi-Ethnic Study of Atherosclerosis
- 2019-present **Member**, Interdisciplinary Association for Population Health Science (IAPHS)
- 2014-present **Member**, Gerontological Society of America (GSA)
- 2009-present **Member**, American Public Health Association (APHA)
- 2019-present **Co-Chair Equity and Inclusion* Working Group**, Physical Activity Policy Research and Evaluation Network (PAPREN) (*note: from 2019-2022 was named Equity & Resilience)
- 2015-2019 **Co-Chair Older Adult Working Group**, Physical Activity Policy Research Network (PAPRN+)
- 2013-2017 **Member**, Population Association of America (PAA)

GRANTS & FELLOWSHIPS

Current Funding

Drexel DREAM (Diversity, Research, Experiential Learning, Aging Science, and Mentorship) Scholars Program) (R25AG081175) National Institute on Aging **Role: Research Mentor**. Principal Investigator: Rose Ann DiMaria-Ghalili and Christian Sell. 9/5/2024-8/31/2029 Total Costs \$2,080,362

Life-course acculturation trajectories and dementia in a multi-ethnic cohort of older adults: The MESA Acculturation and dementia Study (R21-AG089014) National Institute on Aging **Role: Co-Investigator**. Principal Investigator: Sandra Albrecht. 9/1/2024-8/31/2026 Total Yearly Costs \$460,844

Communities Designed to Support Cardiovascular Health for Older Adults (R56 AG049970). National Institute on Aging **Role: Co-Investigator**. Principal Investigator: Gina Lovasi. 9/30/2022-8/31/2024 Total Yearly Costs \$656,047

Cardiometabolic Risk Development and Management in Changing Neighborhoods: the Jackson Heart Study (R01 HL148431) National Heart Lung and Blood Institute **Role: Co-Investigator**. Principal Investigator: Sharrelle Barber. 4/1/2020-3/31/2025 Total Yearly Costs \$700,635

Contribution of Longitudinal Neighborhood Determinants to Cognitive Health and Dementia Disparities within a Multi-Ethnic Cohort (R01 AG072634) National Institute on Aging **Role: Principal Investigator** 5/17/2021-4/30/2025 Total Direct Costs \$3,435,719

Contribution of Longitudinal Neighborhood Determinants to Cognitive Health and Dementia Disparities within a Multi-Ethnic Cohort - Supplement (3R01 AG072634) National Institute on Aging **Role: Principal Investigator** 9/1/2023-2/29/2024 Total Direct Costs \$586,497

Use of a National Retail Database to Describe Marijuana Dispensary Location and Equity Drexel Medical Cannabis Research Center Pilot Funding **Role: Senior Advisor** 7/1/2023-6/30/2024

Social determinants of fatty liver disease and its racial/ethnic disparities: The Multi-Ethnic Study of Atherosclerosis (R01DK136171) National Institute of Diabetes and Digestive and Kidney Diseases **Role: Co-Investigator** Principal Investigator: Mariana Lazo. 7/1/2023-5/31/2027 Total Costs \$2,242,215

Food Insecurity, Neighborhood Environment, and Weight Trajectories in Young Children: Implications for Food Assistance Policy (R01DK133389) National Institute of Diabetes and Digestive and Kidney Diseases **Role: Co-Investigator** Principal Investigator: Felice Le-Scherban. 6/1/2022-3/31/2026 Total Costs \$2,677,708

Completed Funding

Characterizing the Health Impacts of Built Environment Features Using Complex Data (R01 HL131610) National Heart, Lung, and Blood Institute. **Role: Assistant Research Professor.** Principal Investigator: Brisa Sanchez. 2/15/2017-1/31/2022 Total Yearly Costs \$732,212

Assess usage of the KABOOM Play Everywhere Philadelphia Challenge installations and identify characteristics associated with higher usage. William Penn Foundation **Role: Principal Investigator.** 5/1/2022-10/31/2022 Total Yearly Costs \$100,000

Communities Designed to Support Cardiovascular Health for Older Adults (R01 AG049970) National Institute on Aging **Role: Assistant Research Professor.** Principal Investigator: Gina Lovasi. 9/1/2015-4/30/2020 Total Yearly Costs \$590,385

Drexel Area of Research Excellence (DARE): Cell2Society Aging Research.NET Drexel University **Role: Steering Committee.** 9/1/2019-8/31/2021 Total Yearly Costs \$250,000

RWJF 500 Cities Neighborhood Health Rankings (City of Philadelphia) City of Philadelphia Department of Public Health Contract with UHC **Role: Researcher.** 7/1/2018-6/30/2019 Total Yearly Costs \$50,796

Freedom from the Station: Spatial Equity in Access to Dockless Bike Share People For Bikes, Better Bike Share Partnership **Role: Principal Investigator.** 3/1/2018-12/31/2019 Total Yearly Costs \$71,881

Shape the Path: Targeting the Health and Mobility of Older Men through Key Community Partnerships Canadian Institutes of Health Research (F14-03087). **Role: Visiting Researcher.** Principal Investigators: Matthew Steven Herman, Heather McKay and Joanie Sims-Gould. 11/01/2014-10/31/2019 Total Costs: \$701,709

Walk The Talk (WTT) Transforming the Built Environment to Enhance Mobility in Seniors Canadian Institutes of Health Research. **Role: Visiting Postdoctoral Fellow.** Principal Investigators: Bryan Stirling and Heather McKay. 10/01/2010-09/30/2016 Total Costs: \$1,500,000

Population Research Training (T32 HD007168) Eunice Kennedy Shriver National Institute of Child Health and Human Development. **Role: Postdoctoral Trainee.** Principal Investigator: Carolyn Halpern. 07/01/1979-04/30/2019. Total Costs: \$594,308 (in 2014)

Population Research Infrastructure Program (R24 HD050924; P2C HD050924) Eunice Kennedy Shriver National Institute of Child Health and Human Development. **Role: Postdoctoral Trainee.** Principal Investigator: Samuel Philip Morgan. 07/11/2005-08/31/2015. Total Costs: \$1,041,276 (in 2014)

Environmental Changes and Health Outcomes Across 25 Years: Four U.S. Cities (R01 HL114091) National Heart, Lung and Blood Institute. **Role: Postdoctoral Researcher.** Principal Investigator: Penny Gordon-Larsen. 09/30/2011-06/30/2015. Direct Costs: \$1,127,250

Neighborhoods and Cardiovascular Risk in a Multiethnic Cohort (R01 HL071759) National Heart, Lung and Blood Institute. **Role: Graduate Research Assistant.** Principal Investigator: Ana Diez Roux. 06/02/2003-05/31/2014. Total Costs: \$592,445 (in 2013)

Interdisciplinary Research Training in Health and Aging (T32 AG027708) National Institute of Aging. **Role: Predoctoral Trainee.** Principal Investigator: Carlos Mendes De Leon. 04/01/2006-04/30/2019. Total Costs: \$86,276 (in 2012)

Advancing Measurement and Modeling of Healthy Food and Activity Landscapes (2010-85215-20659) USDA National Institute of Food and Agriculture Human Nutrition and Obesity Program. **Role: Student Research Assistant.** Principal Investigators: Amy Hillier and Karen Glanz. 04/01/2010-03/31/2015. Total

Costs: \$1,400,000

Evaluation Evaluating the Impact of WIC Voucher Changes on Low-income Families and Neighborhoods (Grant #66953) Robert Wood Johnson Foundation Healthy Eating Research Program. **Role: Student Research Assistant.** Principal Investigator: Amy Hillier. 11/1/2009-10/31/2010. Total Costs: \$150,000

Exploring relationships between adult physical activity and measures of community environmental characteristics (Grant #52319) Robert Wood Johnson Foundation Active Living Research Program. **Role: GIS Data Processor.** Principal Investigator: Kelly Evenson. 12/1/2004-11/30/2008. Total Costs: \$300,000

Validation of SOPARC and Use in Diverse Populations (R01 HL092569) National Heart, Lung and Blood Institute. **Role: Student Research Assistant.** Principal Investigator: Deborah Cohen. 04/15/2008-03/31/2013. Total Costs: \$778,648 (in 2008)

Summer Mentorship in Environment Health Sciences (R25 ES016146) National Institute of Environmental Health Sciences. **Role: Trainee.** Principal Investigator: Linda McCauley. 01/01/2008-10/30/2012. Total Costs: \$59,395 (in 2008)

Internal Awards

- 2011, 2013 Rackham Conference Travel Grant
- 2012 Rackham Pre-Candidate Research Grant
- 2010 Rackham Recruitment Fellowship
- 2009-2010 Earth & Environmental Science Professional Master Program Capstone Research Award
- 2009-2010 The Vagelos Undergraduate Research Grant
- 2009 The College Undergraduate Travel Grant
- 2009 Institute for Urban Research Undergraduate Urban Research Course and Grant

PUBLICATIONS

Full list on PubMed: <https://www.ncbi.nlm.nih.gov/myncbi/jana.hirsch.1/bibliography/public/>

Full list on GoogleScholar: <https://scholar.google.com/citations?user=3itfzAEAAAJ&hl=en>

Peer Reviewed and Published

In Press Peterson, A, Sanchez, B, **Hirsch, J.A.** “Spatial Temporal Aggregated Predictors to Examine Built Environment Health Effects” ArXiv ePrint preprint arXiv:2105.10565

2024 Fahoum, K., Ringel, J.B., **Hirsch, J.A.**, Rundle, A., Levitan, E.B., Reshetnyak, E., Sterling, M.R., Ezeoma, C., Goyal, P. and Safford, M.M., (2024). “Development and validation of mortality prediction models based on the social determinants of health.” *J Epidemiol Community Health*.

Michael, Y.L., Senerat, A.M., Buxbaum, C., Ezeanyagu, U., Hughes, T.M., Hayden, K.M., Langmuir, J., Besser, L.M., Sánchez, B. and **Hirsch, J.A.** (2024). “Systematic Review of Longitudinal Evidence and Methodologies for Research on Neighborhood Characteristics and Brain Health.” *Public Health Reviews*, 45, p.1606677.

Zewdie H., Robinson J., Adams M., Hajat A., **Hirsch J.A.**, Saelens B., Mooney S. (2024) “A tale of many neighborhoods: latent profile analysis to derive a national neighborhood typology for the US” *Health and Place*, 86, p. 103209

Li J, **Hirsch J.A.**, Michael Y.L., Besser L.M., Auchincloss A.H., Hughes T.M., Sanchez B.N. (2024) “Spatial scale effects on associations between built environment and cognitive function: Multi-ethnic study of atherosclerosis” *Health and Place* 86, 103181

Alhasan, D.M., Larson, G., Lohman, M.C., Cai, B., LaPorte, F.B., Miller, M.C., Jackson, W.B., MacNeill, N.S., **Hirsch, J.A.** and Jackson, C.L. (2024). “Features of the Physical and Social Neighborhood Environment and Neighborhood-Level Alzheimer’s Disease and Related Dementia in South Carolina.” *Environmental Health Perspectives*, 132(2), p.027013.

Brown J., **Hirsch J.A.**, Judd S.E., Bennett A., Rundle A., Lovasi G. (2023) “A segmented regression analysis of household income and recurrent falls among adults in a national cohort study” *American Journal of Epidemiology*

- 2023** Vataavuk-Serrati G., Kershaw K.N., Sotres-Alvarez D., Perreira K.M., Guadamuz J.S., Isasi C.R., **Hirsch J.A.**, Van Horn L.V., Daviglius M.L. and Albrecht S.S. (2023). "Residence in Hispanic/Latino immigrant neighborhoods, away-from-home food consumption, and diet quality: The Hispanic Community Health Study/Study of Latinos." *Journal of the Academy of Nutrition and Dietetics* 123 (11), 1596-1605
- Michael, Y. L., Nicholas, D. S., Ruben, D., Epstein, N., Dickinson, S. T., & **Hirsch, J. A.** (2023). Increasing Healthy Play: A Multi-Pronged Evaluation of Context, Design, and Perceptions for Play Space Improvements. *Journal of Healthy Eating and Active Living*, 3(2), 100–106.
- Rundle A., Neckerman K., Judd S.E., Colabianchi N, Moore K.A., Quinn J., **Hirsch J.A.**, Lovasi G.S., (2023) "Cumulative Experience of Neighborhood Walkability and Change in Weight and Waist Circumference in REGARDS" *American Journal of Epidemiology* 192 (12), 1960-1970
- Auchincloss AH, Mucciaccio F, Fang CY, Ruggiero DA, **Hirsch JA**, Zhong J, Li M, Egleston BL and Tseng ME. (2023) "Neighborhood gentrification, wealth, and co-ethnic density associations with acculturation stressors among Chinese immigrants." *SSM - Population Health*, 23, 101476
- Besser L.M., Lovasi G.S., Zambrano J.J., Camacho S., Dhanekula D., Michael Y.L., Garg P., **Hirsch J.A.**, Siscovick D., Hurvitz P.M., Biggs M. L., Galvin J.E., Bartz T.M., Longstreth W.T. (2023) "Neighborhood greenspace and neighborhood income associated with white matter grade worsening: Cardiovascular Health Study" *Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring* 15(4) e12484
- Lovasi G.S., Boise S., Jogi S., Hurvitz P.M., Rundle A.G., Diez J., **Hirsch J.A.**, Fitzpatrick A., Biggs M.L., Siscovick D.S., (2023) "Time-varying food retail and incident disease in the Cardiovascular Health Study" *American Journal of Preventive Medicine* 64(6), pp.877-887.
- Godina S. L., Rosso A. L., **Hirsch J. A.**, Besser L. M., Lovasi G. S., Donovan G. H., Garg P.K., Platt J.M., Fitzpatrick A.L., Lopez O.L., Carlson M.C., Michael, Y. L. (2023). Neighborhood greenspace and cognition: The cardiovascular health study. *Health & place*, 79, 102960.
- Youngbloom A.J., Thierry B., Fuller D., Kestens Y., Winters M., **Hirsch J.A.**, Michael Y.L., Firth C.L., (2023) "Gentrification, perceptions of neighborhood change, and mental health in Montréal, Québec" *SSM-Population Health*, 22, 101406
- Hirsch J.A.**, Zhao Y., Melly S., Moore K.A., Berger N., Quinn J., Rundle A., Lovasi G.S. (2023) "National Trends and Disparities in Retail Food Environments in the United States between 1990-2014." *Public Health Nutr.* 1-27. [Epub ahead of print]
- 2022** Serrano N., Realmuto L., Graff K.A., **Hirsch J.A.**, Andress L., Sami M., Rose K., Smith A., Irani K., McMahon J., Devlin H.M. (2022) "Healthy Community Design, Anti-Displacement, and Equity Strategies in the USA: A Scoping Review" *Journal of Urban Health*, 1-30.
- Michael Y.L, Smiley K.T., Clay L., **Hirsch J.A.**, Lovasi G.S. (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*, 1-8
- Dsouza N., Serrano N, Watson K, McMahon J, Devlin HM, Lemon SC, Eyler A, Gustat J, **Hirsch, JA.** (2022) "Exploring residents' perceptions of neighborhood development and revitalization for active living opportunities" *Preventing Chronic Disease*, 19, E56.
- AlHasan D.M, Lohman M., **Hirsch J.A.**, Miller M., Cai B., Jackson C. "Neighborhood characteristics and dementia symptomology among community-dwelling older adults with Alzheimer's Disease" *Frontiers in Aging Neuroscience*.
- Guan J., **Hirsch J.A.**, Tabb L.P., Hillier T., Michael Y. (2022) " The Association between Changes in Built Environment and Changes in Walking among Older Women in Portland, Oregon" *International Journal of Environmental Research and Public Health*, 19(21), 14168

Bhavsar, N.A., Yang, L.Z., Phelan, M., Shepherd-Banigan, M., Goldstein, B.A., Peskoe, S., Palta, P., **Hirsch, J.A.**, Mitchell, N.S., Hirsch, A.G. and Lunyera, J., 2022. Association between Gentrification and Health and Healthcare Utilization. *Journal of Urban Health*, pp.1-14.

Hirsch JA, Michael YL, Moore KA, Melly S, Hughes TM, Hayden KM, Luchsinger JA, Jimenez MP, James P, Besser LM, Sanchez BN, Diez Roux AV (2022) "Longitudinal neighbourhood determinants with cognitive health and dementia disparities: protocol of the Multi-Ethnic Study of Atherosclerosis Neighborhoods and Aging prospective cohort study" *BMJ Open* 2022;12:e066971. doi: 10.1136/bmjopen-2022-066971

Marquet O, **Hirsch J.A.**, Kerr J, Jankowska M.M., Mitchell J, Hart J.E., Laden, F, Hipp, JA, James, P. (2022) "GPS-based activity space exposure to greenness and walkability is associated with increased accelerometer-based physical activity" *Environment International*, 107317

Li J, Peterson A, Auchincloss A.H., Hirsch J.A., Rodriguez D.A., Melly S.J., Moore K.A., Diez-Roux A.V., Sánchez B.N. (2022) "Comparing effects of Euclidean buffers and network buffers on associations between built environment and transport walking: The Multi-Ethnic Study of Atherosclerosis" *International Journal of Health Geographics*. 21 (1), 1-12

Park Y, Quinn JW, Hurvitz PM, **Hirsch J.A.**, Goldsmith J, Neckerman K, Lovasi G, Rundle, A. (2022) "Addressing patient's unmet social needs: Disparities in access to social services in the United States from 1990 to 2014, a National Times Series Study." *BMC Health Services Research*. 22(1), 1-12

Li J., Auchincloss A.H., **Hirsch J.A.**, Melly S., Moore K.A., Peterson A., Sanchez B.N. (2022) "Exploring the spatial scale effects of built environments on transport walking: Multi-Ethnic Study of Atherosclerosis" *Health and Place* 73 p.102722

2021 Hirsch, J.A., Grunwald, H.E., Miles, K.L, Michael, Y.L. (2021) "Development of an instrument to measure perceived gentrification for health research: Perceptions About Changes in Environments and Residents (PACER)" *Social Science and Medicine-Population Health* 15, 100900

Whitley J., **Hirsch J.A.**, Moore K.A., Melly S.J., Rollins H., Washington R. (2021) "Constructing Within-City Neighborhood Health Rankings Using Data from CDC 500 Cities Project" *Preventing Chronic Disease* 18

Besser L., Chang LC., **Hirsch, J.A.**, Rodriguez D.A., Renne J., Rapp S., Fitzpatrick A., Heckbert S.R., Kaufman J., Hughes T (2021) "Longitudinal associations between the neighborhood built environment and cognition in US older adults: The Multi-Ethnic Study of Atherosclerosis" *International Journal Environmental Research and Public Health* 18 (15), 7973

Brown J., **Hirsch J.A.**, Judd S.E., Hurvitz P., Howard V.J., Safford M., Lovasi G. (2021) "The Association of Neighborhood Medical Facilities with Aging in Place and Risk of Incident Myocardial Infarction" *Journal of Aging and Health* 33 (3-4), 227-236

Lovasi G., Johnson N., Altekruse S., **Hirsch J.A.**, Moore K.A., Brown J., Rundle A.G., Quinn J., Neckerman K., Siscovick D. (2021) "Healthy Food Retail Availability and Cardiovascular Mortality in the United States: A Cohort Study." *BMJ Open* 11 (7), e048390

Garg P.K., Platt J.M., **Hirsch J.A.**, Hurvitz P., Rundle A., Biggs M.L., Psaty B.M., Moore K.A., Lovasi G.S. (2021) "Association of Neighborhood Physical Activity Opportunities with Incident Cardiovascular Disease in the Cardiovascular Health Study" *Health and Place* 70, 102596

Besser L., Chang L., Evenson K.R., **Hirsch J.A.**, Michael Y., Galvin J.E., Rapp S.R., Fitzpatrick A.L., Heckbert S.R., Kaufman J.D., Hughes T.M. (2021) "Associations Between Neighborhood Park Access and Longitudinal Change in Cognition in Older Adults: The Multi-Ethnic Study of Atherosclerosis" *Journal of Alzheimer's Disease* Preprint, 1-13

Peng K., Rodriguez D.A., **Hirsch J.A.**, Gordon-Larsen P. (2021) "A method for estimating neighborhood characterization in the association with availability of sit-down restaurants

and supermarkets" *International Journal of Health Geographics* 20 (1), 1-16 DOI: 10.21203/rs.3.rs-33989/v2

Schinasi L., Cole H., **Hirsch J.A.**, Hamra G., Gullon P., Bayer F.J., Melly S., Neckerman K., Clougherty J., Lovasi G. (2021) "Associations between greenspace and gentrification-related sociodemographic and housing cost changes in major metropolitan areas across the United States" *International Journal Environmental Research in Public Health* 18 (6), 3315

Alhasan, D.M., **Hirsch, J.A.**, Jackson, C.L., Miller, M.C., Cai, B., Lohman, M.C. (2021) "Neighborhood Characteristics and the Mental Health of Caregivers Cohabiting with Care Recipients Diagnosed with Alzheimer's Disease" *Int. J. Environ. Res. Public Health* 18, no. 3: 913. <https://doi.org/10.3390/ijerph18030913>

Besser L., Lovasi G.S., Michael Y., Garg P., **Hirsch J.A.**, Siscovick D., Hurvitz P., Biggs M.L., Galvin J.E., Bartz T., Longstreth W. (2021) "Associations between neighborhood greenspace and brain imaging measures in non-demented older adults: The Cardiovascular Health Study" *Social Psychiatry and Psychiatric Epidemiology* <https://doi.org/10.1007/s00127-020-02000-w>

Gullon P., Bilal U., **Hirsch J.A.**, Rundle A., Judd S., Safford M., Lovasi G.S. (2021) "Does a physical activity supportive environment ameliorate or exacerbate socioeconomic inequities in incident coronary heart disease?" *Journal of Epidemiology & Community Health* Published Online First: 14 December 2020. doi: 10.1136/jech-2020-215239

Hirsch J.A., Moore K.A., Cahill J., Quinn J., Zhao Y., Bayer F.J., Rundle A., Lovasi G.S. (2021). "Business Data Categorization and Refinement for Application in Longitudinal Neighborhood Health Research: a Methodology." *Journal of Urban Health*, 98 (2), 271-284.

2020 Besser L., **Hirsch J.A.**, Galvin J., Renne J.L., Park J., Evenson K., Kaufman J., Fitzpatrick A. (2020) "Associations between neighborhood park space and cognition in older adults vary by US location: The Multi-Ethnic Study of Atherosclerosis" *Health & Place* 66, 102459

DiMaria-Ghalili RA, Sefcik J, Clark K, Fisher K, Huh-Yoo J, **Hirsch J.A.**, Gitlin, L. (2020) "Abstract: Facilitators and Barriers to Engaging Stakeholders in Use-Inspired Aging Research" *Innovation in Aging* 4 (Supplement_1), 226

Tsui J., **Hirsch J.A.**, Bayer F.J., Quinn J.W., Cahill J., Siscovick D., Lovasi G.S., (2020) "Patterns in Geographic Access to Health Care Facilities Across Neighborhoods in the United States Based on Data From the National Establishment Time-Series Between 2000 and 2014." *JAMA Network Open* 3(5), e205105-e205105.

Hirsch J.A., Zhao Y., Bilal U., Neckerman K.M., Michael Y.L. (2020) "Health and Health-Related Resources in Newly Designated Federally Qualified Opportunity Zones: United States, 2012–2016" *American Journal of Public Health* 110 (3), 407-415

2019 **Hirsch J.A.**, Winters M., Stehlin J., Hosford K., Mooney S.J. (2019) "Roadmap for free-floating bikeshare research and practice in North America" *Transport Reviews* 1-27

Kaufman T.K., Rundle A., Neckerman K.M., Sheehan D.M., Lovasi G.S., **Hirsch J.A.** (2019) "Neighborhood Recreation Facilities and Facility Membership are Jointly Associated with Objectively Measured Physical Activity" *Journal of Urban Health* 1-13

Hirsch J.A., Stewart I., Ziegler S., Richter B., Mooney S. (2019) "Residents in Seattle, WA Report Differential Use of Free-floating Bikeshare by Age, Gender, Race, and Location" *Frontiers in Built Environment* 5, 17

Mooney S.J., Hosford K., Howe B., Yan A., Winters M., Bassok A., **Hirsch J.A.** (2019) "Freedom from the Station: Spatial Equity in Access to Dockless Bike Share" *Journal of Transport Geography* 74, 91-96

2018 Peer-Reviewed Book Chapter: **Hirsch, J.A.** and Winters, M. (2018) "Walkability and Physical Activity" *Routledge Handbook of Health Geography* V.A. Crooks, G. Andrews, J. Pearce(eds)

Hirsch, J. A., DeVries, D. N., Brauer, M., Frank, L. D., & Winters, M. (2018). "Impact of

new rapid transit on physical activity: A meta-analysis." *Preventive Medicine Reports*.

¹Johnson, D.A., **Hirsch J.A.**, Moore, K.A., Redline, S., Diez Roux, A.V. (2018) "Associations between the Built Environment and Sleep: The Multi-Ethnic Study of Atherosclerosis (MESA)" ¹joint first authors *American Journal of Epidemiology* 187 (5), 941-950

2017 Baek, J., **Hirsch, J.A.**, Moore, K.A., Tabb, L.P., Barrientos-Gutierrez, T., Lisabeth, L.D., Diez Roux, A.V., Sanchez, B.N. (2017) "Methods to study variation in the associations between food store availability and body mass in the Multi-Ethnic Study of Atherosclerosis" *Epidemiology* 28 (3), 403-411

Pugh C., **Hirsch J.A.**, Voss C., Sims-Gould J., Lear S., McKay H., Winters M. (2017) "Changes in Physical Activity Among Older Adults After a New Greenway Development in Vancouver, BC" *Innovation in Aging*. 2017 Jun 30;1(Suppl 1):1401.

Clarke, P.J., **Hirsch, J.A.**, Melendez, R., Winters, M., Sims-Gould, J., Ashe, M.A., Furst, S., McKay, H.A. (2017) "Snow and Rain Modify Neighborhood Walkability for Older Adults" *Canadian Journal on Aging/La Revue canadienne du vieillissement* 36(2), 159-169.

Hirsch, J. A., Winters, M., Sims-Gould, J., Clarke, P. J., Ste-Marie, N., Ashe, M., & McKay, H. A. (2017). "Developing a comprehensive measure of mobility: mobility over varied environments scale (MOVES)." *BMC public health*, 17(1), 513.

Hirsch, J.A.¹, Meyer, K.A.¹, Zhang, L., Rodriguez, D.A., Peterson, M., Gordon-Larsen, P. (2017) "Municipal investment in off-road trails and changes in bicycle commuting in Minneapolis, Minnesota over 10 years: a longitudinal repeated cross-sectional study" *International Journal of Behavioral Nutrition and Physical Activity* ¹joint first authors 14(1), 21.

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- 2014** **Hirsch, J.A.**, Winters, M., Clarke, P., McKay, H.A. (2014) “Generating GPS activity spaces that shed light upon the mobility habits of older adults: a descriptive analysis.” *International Journal of Health Geographics*, 13(1), 51. DOI: 10.1186/1476-072X-13-51
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- 2013** **Hirsch, J.A.**, Diez Roux, A.V., Rodriguez, D.A., Brines, S.J., Moore, K. (2013). “Discrete Land Uses and Transportation Walking: The Multi-Ethnic Study of Atherosclerosis (MESA).” *Health and Place*, 24, 196-202. DOI: 10.1016/j.healthplace.2013.09.007
- Hirsch, J.A.**, Moore, K.A., Evenson, K.R., Rodriguez, D.A., Diez Roux, A.V. (2013). “Associations of Walk Score® and Transit Score® with Walking in the Multi-Ethnic Study of Atherosclerosis.” *American Journal Preventive Medicine*, 45(2), 158-166. DOI: 10.1016/j.amepre.2013.03.018 Invited videocast found at: <http://y2u.be/k-73mMirHls>
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- 2012** **Hirsch, J.A.**, Hafeez, K., Kaselitz, T., Lu, J., Oltean, H., Shea, P., Simpson, M.,

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Nelson K.L., Platt J.M., **Hirsch J.A.**, Joshi R., Michael Y.L., McClure L.A., Judd S.E., Lovasi G.S. "Neighborhood Social Environments and Change in Depressive Symptoms: Results from a Longitudinal Study of Middle-Age and Older Adults in the U.S., 2003-2014"

DiCarlo M., Keddem S., Leader A., **Hirsch J.A.**, McIntire R. "Identifying barriers and facilitators to urban trail use: Freelist interviews with trail users and neighborhood residents"

Knowledge Translation, Dissemination, and Communication Products

- October 2022 Report for Kaboom! Play Everywhere and William Penn Foundation "If You Build It, Will They Come?: An Evaluation of Design, Context, and Engagement" https://drexel.edu/~media/Files/uhc/Additional%20Project%20Documents/WPF_Drexel_Report.ashx?la=en
- April 2021 AARP and Drexel College of Nursing and Health Professionals "Disrupting Disparities in Pennsylvania: Retooling for Geographic, Racial and Ethnic Growth" <https://states.aarp.org/pennsylvania/disrupting-disparities-pa>
- December 2019 Urban Health Collaborative "Methods Brief: Borrowing Information from Neighbors: Estimating Health in Small Areas" https://drexel.edu/~media/Files/uhc/briefs/SAE_Brief.ashx?la=en
- August 2019 Urban Health Collaborative "Methods Brief: A Measure of Gentrification for use in Longitudinal Public Health Studies in the US" https://drexel.edu/~media/Files/uhc/briefs/Gentrification_Brief.ashx?la=en
- August 2019 Philadelphia Department of Public Health with the Urban Health Collaborative "Close to Home: The Health of Philadelphia Neighborhoods" https://www.phila.gov/media/20190801133844/Neighborhood-Rankings_7_31_19.pdf
- May 2019 Urban Health Collaborative and Better Bike Share Partnership "Infographic: Freedom from the Station: Spatial Equity in Access to Dockless Bike Share" <https://drexel.edu/uhc/research/projects/freedom-from-the-station/~media/Files/uhc/Additional%20Project%20Documents/Infographic.ashx?la=en>
- May 2019 Urban Health Collaborative and Better Bike Share Partnership "Brief: Free-floating Bike Share Systems May Improve Access to Disadvantaged Neighborhoods" <https://drexel.edu/uhc/research/projects/freedom-from-the-station/~media/Files/uhc/Additional%20Project%20Documents/BikeShareTwoPager1.ashx?la=en>
- May 2019 Urban Health Collaborative and Better Bike Share Partnership "Brief: Who is Using Free-floating Bike Share and What Are the Barriers to Access?" <https://drexel.edu/uhc/research/projects/freedom-from-the-station/~media/Files/uhc/Additional%20Project%20Documents/BikeShareTwoPager2.ashx?la=en>
- May 2018 Urban Health Collaborative "Data Brief: Patterns of Obesity and Cutting Meals in Philadelphia" https://drexel.edu/~media/Files/uhc/briefs/Obesity_Cutting_Meals_Philadelphia_web.ashx?la=en
- Jan 2017 *The Chronicle of Higher Education* "What I'm Reading: 'The Quarter-Life Breakthrough'" *The Chronicle of Higher Education* 63(21) <http://www.chronicle.com/article/What-Im-Reading-The/238967>

PRESENTATIONS

Invited Presentations

- March 2023 Understanding Changing Cities: Gentrification and Development of a novel instrument to measure residents' experiences of neighborhood change *SDOH Workgroup Alzheimer's Association PIA*
- Nov 2021 Discussant: Community Mobility in Older Adults: Novel Methodologies, Risk Factors, and

- Interventions *Gerontological Society of America*
- Feb 2021 “Future of Cities” *Drexel Urban Sexuality Lab Lunch & Learn*
- July 2021 Moderator: Urban health and ageing populations *International Urban Health Conference*
- May 2019 “Understanding a Changing Philadelphia: Using Survey Research to Measure Trends and Inform Policy” *PANJAAPOR Spring Event*
- Nov 2017 “Understanding Behavior through Activity Spaces from GPS data” *Drexel GIS Day*
- Dec 2015 “Planning for Health: Constructing evidence for the built environment’s influence on health” *Social Epidemiology Seminar, University of North Carolina Department of Epidemiology*
- Nov 2014 “Symposium: Aging in the Context of Neighborhood Change” *Gerontological Society of America Annual Scientific Meeting*
- Sept 2014 “Change in the Built Environment and Change in Walking and Obesity in Middle-Age and Older-Adults” *Cardiovascular Disease Epidemiology Seminar Series, University of North Carolina Department of Epidemiology*
- Feb 2013 “Walk Score® and Transit Score® with Walking in the Multi-Ethnic Study of Atherosclerosis.” *Doctoral Student Day, University of Michigan Department of Epidemiology*

Refereed Presentations

- Nov 2023 Incorporating New Measures of Neighborhood Supports for Healthy Aging Into Existing Cohorts *Gerontological Society of America Annual Meeting*
- Sept 2023 Spatial and neighborhood data in the Collaborative Cohort of Cohorts for COVID-19 Research (C4R), panelist in Novel measures of place characteristics *Interdisciplinary Association for Population Health Science*
- Sept 2023 Climate Related Disasters and Health Disparities *American College of Epidemiology Annual Meeting*
- June 2023 Spatial and neighborhood data in the Collaborative Cohort of Cohorts for COVID-19 Research (C4R) *Society for Epidemiologic Research*
- March 2023 If You Build It, Will They Come?: An Evaluation of Design, Context, and Engagement” *Active Living Conference*
- Nov 2021 Neighborhood Greenspace and Cognition: The Cardiovascular Health Study *Gerontological Society of America*
- July 2021 Living in gentrified neighbourhoods, perceptions of gentrification, and health outcomes among adults in Montreal, QC *International Urban Health Conference*
- April 2021 Anti-displacement strategies for healthy and equitable community design: A scoping review *Active Living Conference*
- April 2021 Exploring residents’ perceptions of neighborhood development and revitalization for active living opportunities *Active Living Conference*
- Nov 2020 Facilitators and Barriers to Engaging Stakeholders in Use-Inspired Aging Research. *Gerontology Society of America*
- July 2020 Potential Impacts of Newly Designated Federally Qualified Opportunity Zones for Health and Health-Related Businesses *Society for Prevention Research*
- July 2020 Methods for Collecting, Processing, and Linking Longitudinal Retail Data for Neighborhood- and Individual-Level Health *Society for Prevention Research*
- Feb 2020 Workshop: Using improvisational techniques to spur innovation in active living research. *Active Living Conference Annual Meeting*
- Nov 2019 Racial disparities in presence of dental facilities in Southeastern Pennsylvania *American Public Health Association Annual Meeting*
- Nov 2019 Perceived Gentrification among neighborhood residents: creation of a novel survey instrument. *American Public Health Association Annual Meeting*
- Nov 2019 Description of gentrification across the U.S. from 1990-2010 *American Public Health Association Annual Meeting*
- Nov 2019 Panelist: Linking local data for targeted action among Philadelphia’s most vulnerable neighborhoods *American Public Health Association Annual Meeting*
- Nov 2019 Longitudinal trends in geographic access to healthcare facilities across neighborhoods in the United States: Data from the National Establishment Time Series 2000-2014 *American Public Health Association Annual Meeting*
- Oct 2019 Roundtable Facilitator: Identifying Geographic Patterns to Develop Neighborhood Based Interventions through the Neighborhood Health Rankings *All In, Data for Community Health National Meeting*

- Oct 2019 Longitudinal racial disparities in food environment (1990-2014) in the continental United States *Interdisciplinary Association for Population Health Sciences*
- May 2019 Camp Session: Update on Gentrification Survey *National Neighborhood Indicators Partnership*
- Feb 2019 Equity in Free-Floating Bikeshare: Case Study of Seattle, WA *Active Living Conference*
- Sept 2018 Equity in Seattle Free-floating pilot (Siting in the New Age; New Strategies) *North American Bike Share Association and Better Bike Share Partnership Conference*
- May 2018 Camp Session: Defining and Measuring Gentrification *National Neighborhood Indicators Partnership*
- Feb 2018 Workshop: Active living improv: Using improvisational comedy to collaborate and generate creative future solutions *Active Living Research Conference*
- Feb 2017 The Influence of Walkability on Broader Mobility for Canadian Older Adults: an examination of Walk Score™ and the Mobility Over Varied Environments Index (MOVE-I) *Active Living Research Conference*
- Nov 2016 Streets for Everyone at Every Age: Examining Complete Streets Policy Language for Older Adult Users *Gerontological Society of America Annual Scientific Meeting*
- June 2016 Associations Between the Built Environment and Objective Measures of Sleep: The Multi-Ethnic Study of Atherosclerosis (MESA) *Epidemiology Congress of the Americas*
- Feb 2016 The Influence of Walkability on Broader Mobility for Canadian Older Adults: an examination of Walk Score™ and the Mobility Over Varied Environments Index (MOVE-I) *RWJ Active Living Research Conference*
- April 2015 “Neighborhood Socioeconomic Status and Change in Built Environment Infrastructure” *Population Association of America (PAA)*
- Feb 2015 “Destinations that Older Adults Experience within their Activity Spaces: Relation to Physical Activity” *RWJ Active Living Research Conference*
- Aug 2014 “Pre-Conference Workshop: Measuring the Neighborhood Social Environment: Lessons from the Social Sciences” *International Society for Environmental Epidemiology*
- March 2014 “Utilizing the “Quantified Self” to Move from Niche to Norm: Strategies for Incorporating Modern Technologies into Assessment and Evaluation” *RWJ Active Living Research Conference*
- Nov 2013 “Change in the Built Environment: A Descriptive Analysis of Six U.S. Cities” *American Public Health Association (APHA) in the Environment and Health student poster achievement session*
- April 2013 “The Multi-Ethnic Study of Atherosclerosis: Neighborhood Environment and Walking in a Cohort of Middle- and Older-age Adults” *Geriatrics Center Research Symposium*
- Feb 2013 “Associations of Walk Score® and Transit Score® with Walking in the Multi-Ethnic Study of Atherosclerosis.” *RWJ Active Living Research Conference*
- March 2012 “Discrete Land Uses and Transportation Walking: The Multi-Ethnic Study of Atherosclerosis (MESA)” *RWJ Active Living Research Conference*
- Oct 2011 “Shared Geographic Spaces: Investigating the Individual Food Environments of Urban Neighbors in Philadelphia” *American Public Health Association (APHA) Food Availability, Accessibility and Pricing in School and Community Environments*
- April 2011 “Shared Geographic Spaces: Investigating the Individual Food Environments of Urban Neighbors in Philadelphia” *10th Annual Michigan Epidemiology Conference*
- Nov 2009 “Heavy metals in urban community gardens: An analysis of risk to gardeners and the food they produce in West Philadelphia” *American Public Health Association (APHA) in the Environment and Health student poster achievement session*
- Oct 2009 “Heavy metals in urban community gardens: Analysis of risk to gardeners in West Philadelphia” *CDC National Environmental Public Health Conference*
- Aug 2009 “The Ecology of Obesity: How environmental choices in the Baltimore Avenue corridor may determine nutrition” *USDA Student Scholar Symposium*

TEACHING ACTIVITIES

Formal Training

- 2014 **University of Michigan Graduate Teacher Certificate**
Center for Research on Learning and Teaching, University of Michigan
- 2013 **Preparing Future Faculty May Seminar Series**
Center for Research on Learning and Teaching, University of Michigan

Courses and Guest Lectures

2024 **Course Instructor**
Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University
EPI563: Interprofessional Collaboration for Urban Health

2023 **Course Instructor**
Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University
EPI563: Interprofessional Collaboration for Urban Health

Course Instructor
Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University
EPI570: Introduction to Epidemiology

2022 **Course Instructor**
Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University
EPI563: Interprofessional Collaboration for Urban Health

Course Instructor
Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University
EPIT580: Critical Contemporary Social Problems (Special Topics in Epidemiology)

2021 **Course Instructor**
Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University
EPI563: Interprofessional Collaboration for Urban Health

Course Instructor
Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University
EPI570: Introduction to Epidemiology

Guest Lecturer
Environmental Health, Dornsife School of Public Health, Drexel University
PBHL319 Nature Prescription: Trees, Green Space, and Your Health
Discussion: "Greenspace & Health"

Guest Lecturer
College of Nursing and Health Professions, Drexel University
IPS861 Interdisciplinary Approaches in Aging Research
Discussion: "Neighborhoods and Aging"

Guest Lecturer
Environmental Health, Dornsife School of Public Health, Drexel University
EHS904 Doctoral Seminar
Discussion: MESA Neighborhoods and Aging Grant

Guest Lecturer
Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University
EPI621 Social Epidemiology
Discussion: "Measures of Gentrification and Health Implications"

2020 **Course Instructor**
Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University
EPI563: Interprofessional Collaboration for Urban Health

2019 **Course Instructor**
Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University
PBHL301: Epidemiology in Public Health

Course Instructor
Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University
EPI550: Applied Survey Research in Epidemiology

Course Instructor
Urban Strategies, Westphal College of Media Arts and Design
PBHLT680/URBS650: Urbanism, Health and the Built Environment

Guest Lecturer

Environmental Health, Dornsife School of Public Health, Drexel University

EOH550 Introduction to Urban Health

Discussion: "Built environment and health"

Guest Lecturer

Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University

EPI803 Proposal Writing Seminar

Discussion: "How to be a good Co-I on grants"

Guest Lecturer

Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University

EPIT680 Special Topics- Social Epidemiology

Discussion: "Conceptualization and Measurement of Gentrification"

Guest Lecturer

Environmental Health, Dornsife School of Public Health, Drexel University

PBHL319 Nature Prescription: Trees, Green Space, and Your Health

Lecture: "Greenspace in the Urban Environment: A closer look at trails"

Activity: Park Audit of Penn Park

Guest Speaker

Autism Institute, Drexel University

Doctoral and Postdoctoral Fellows Meeting

Discussion of Academic Job Market

Guest Lecturer

Dornsife School of Public Health, Drexel University

Preorientation

Lecture: "Built environment and Public health"

Guest Lecturer

Science Technology and Society, College of Arts and Sciences, Drexel University

SCTS561 Mobilities Lab

Lecture: "Equity in Dockless, Free-floating Bikeshare"

2018 **Course Instructor**

Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University

PBHL301: Epidemiology in Public Health

Course Instructor

Urban Strategies, Westphal College of Media Arts and Design

PBHLT680/URBS650: Urbanism, Health and the Built Environment

Guest Lecturer

Environmental Health, Dornsife School of Public Health, Drexel University

PBHL314 Environmental and Occupational Health

Lecture: "Built Environment and Health"

Guest Lecturer

Dornsife School of Public Health, Drexel University

Preorientation

Lecture: "Greenspace and health"

2017 **Course Instructor**

Epidemiology and Biostatistics, Arnold School of Public Health, University of South Carolina

EPID 410: Principles of Epidemiology

2016 **Guest Lecturer**

Epidemiology and Biostatistics, Arnold School of Public Health, University of South Carolina

EPID 410: Principles of Epidemiology

Lecture: "Won't you be my neighbor? Understanding neighborhood influences on physical activity and health"

EPID 745: Seminar in Epidemiology

Lecture: "Planning for Health: constructing evidence for the built environment's influence on health"

- 2016 **Course Instructor**
Urban Health Collective, Dornsife School of Public Health, Drexel University
The Built Environment and Health
- 2016 **Guest Lecturer**
Epidemiology, University of North Carolina at Chapel Hill
EPID 826: Social Epidemiology: Analysis & Interpretation
Lecture: "Novel data sources: using commercial, social media data to study everyday influences on health."
- 2016 **Guest Lecturer**
Epidemiology, University of North Carolina at Chapel Hill
EPID 799A: Social Epidemiology Training Seminar
Lecture: "Walkability and Sleep: I will walk 500 miles, and I will sleep 500 minutes?"
- 2015 **Guest Lecturer**
Faculty of Health Sciences, Simon Fraser University
HSCI 472-3: Special Topics in Health Sciences II: Health & the Built Environment
Lecture: "Challenges in Built Environment and Health Research"
- 2014 **Guest Lecturer**
Epidemiology, University of North Carolina at Chapel Hill
EPID 799A: Social Epidemiology Training Seminar
Lecture: "Won't You Be My Neighbor?: Defining Neighborhoods"
- 2014 **Graduate Student Instructor**
Epidemiology, University of Michigan
EPID503: Strategies and Uses of Epidemiology
- 2014 **Guest Lecturer**
Health Promotion and Behavioral Science, University of Texas
PHM1113: Advanced Methods for Planning and Implementing Health Promotion Programs (Intervention Mapping)
Virtual Lecture: "Introduction to GIS" (1 day mini-course on ArcGIS)
- 2013 **Graduate Student Instructor**
Epidemiology, University of Michigan
EPID601: Principles and Methods of Epidemiology
- 2013 **Guest Lecturer**
Technical Middle College, Washtenaw Community College
Ninth-Grade Academy Program
Lecture: "Progression of Medical Ideas & Epidemiologic Science throughout History"
- 2010-2013 **Guest Lecturer**
Health Behavior and Health Education, University of Michigan
HBHE 641: Needs Assessment Methods for Behavioral and Educational Health Programs
Lecture: "Introduction to GIS" (1-4 day mini-course on ArcGIS)
- 2012 **Guest Lecturer**
Urban Planning, University of Michigan
UP406: Introduction to Geographic Information Systems
Lecture: "GIS in Public Health Research"
- 2010 **Institute Assistant**
City and Regional Planning, University of Pennsylvania
Built Environment Assessment Training (BEAT) Institute
Training: ArcGIS and NEMS

Formal Mentorship

- 2024- **Jamie Kwon**, Postdoctoral Fellow, Urban Health Collaborative, Drexel University, Philadelphia, PA
- 2024- **Sunny Kim**, Postdoctoral Fellow, Urban Health Collaborative, Drexel University, Philadelphia, PA
- 2022- **Francesca Mucciaccio**, Doctoral Fellow, Dornsife School of Public Health, Drexel University, Philadelphia, PA
- 2022- **Diane Xue**, Doctoral Fellow, F99/K00, University of Washington, Seattle, WA

- 2022-2023 **Araliya Senerat**, Doctoral Fellow, Dornsife School of Public Health, Drexel University, Philadelphia, PA
- 2022-2023 **Douglas Whitmire**, Applied Practice Experience, Dornsife School of Public Health, Drexel University, Philadelphia, PA
- 2021-2023 **Julia Langmuir**, Undergraduate Researcher, Dornsife School of Public Health, Drexel University, Philadelphia, PA
- 2021-2023 **Kevin Chang**, Public Health Research Scholar, Drexel University College of Medical, Philadelphia, PA
- 2021-2023 **Channa Buxbaum**, Dornsife Fellow, Dornsife School of Public Health, Drexel University, Philadelphia, PA
- 2019 **Helina Mekonnen & Denise Nguyen**, Summer Undergraduate Research Fellowship (SURF) Scholars, Drexel University, Philadelphia, PA
- 2019-2023 **Melissa DiCarlo**, Doctoral Student Division of Population Sciences, Thomas Jefferson University, Philadelphia, PA
- 2016-2020 **Dana Al-Hasan**, Doctoral Student. Epidemiology and Biostatistics, University of South Carolina, Columbia
- 2015 **Corinne Clarke O'Brien**, Undergraduate Summer Intern. Carolina Population Center, University of North Carolina, Chapel Hill
- 2013-2014 **Jamaica Robinson**, Master of Public Health. Epidemiology, University of Michigan, Ann Arbor
- 2011 **Beki Cohen**, Master of Public Health. Epidemiology, University of Michigan, Ann Arbor
- 2009-2010 **Research Peer Advisor**, Center for Undergraduate Research and Fellowship, University of Pennsylvania

PUBLIC SERVICE

Service to Department, School, University

- 2023-present **Steering Committee Member**, Steering Committee, Urban Health Collaborative, Drexel University
- 2017-present **Member**, Research and Data Core, Urban Health Collaborative, Drexel University
- 2019-2021 **Leader**, Brown Bag Seminar Series, Urban Health Collaborative, Drexel University
- 2019 **Coach**, Dornsife School of Public Health Case Competition, Drexel University
- 2019 **Member**, Small Grant Committee, Department of Epidemiology and Biostatistics, Drexel University
- 2016 **Member**, Faculty Search Committee, Department of Epidemiology and Biostatistics, University of South Carolina
- 2015-2016 **Postdoctoral Representative**, Carolina Population Center, University of North Carolina Chapel Hill
- 2010-2014 **Member**, Events Committee, Center for Social Epidemiology and Population Health, University of Michigan
- 2012-2013 **Student Member**, Doctoral Committee, Department of Epidemiology, University of Michigan
- 2011-2013 **Student Member**, Sustainable Food Systems Faculty Search Committee, Departments of Epidemiology, Environmental Health and Health Behavior Health Education, University of Michigan
- 2010-2012 **Epidemiology Doctoral Representative**, Rackham Graduate Student Forum, University of Michigan
- 2010-2011 **Member**, Committee to Develop Epidemiology Educational Resources, Department of Epidemiology, University of Michigan

PROFESSIONAL SERVICE

Reviewer

Journals

American Journal of Preventive Medicine
American Journal of Epidemiology
Annals of Epidemiology
BMC Public Health
Environmental Health Perspectives
Environment and Behavior
Environment International
Frontiers
Health and Place
International Journal of Environmental Research and Public Health
Journal of Epidemiology & Community Health
Journal of Aging Studies
Journal of Urbanism
Preventing Chronic Disease
Public Health Nutrition
Public Opinion Quarterly
Preventive Medicine
Preventive Medicine Reports
Social Science & Medicine
Spatial and Spatio-temporal Epidemiology

Conferences Active Living Research (2016, 2017)

Grants UHC Doctoral Funding Review (2023)
SALURBAL Pilot Funding (2018, 2019)
UHC Dissertation Award proposals (2022)
NIH Reviewer: Multilevel physical activity interventions (2018)
Fonds National De La Recherche CORE Multi-annual thematic research programme (2019)
MRC and ESRC: UK-Australia Built Environment and Prevention Research Scheme (2019)

PRACTICE

National Speaking Engagements

2018 **Invited Speaker**, 2018 March for Science, Washington, DC

Local Speaking Engagements

2021 **Speaker**, Regional Health Equity Council, “Health Equity work at Dornsife School of Public Health” Health and Human Services
2019 **Public Health Expert**, Public Participation Task Force Meeting, “Planning for Health: Constructing evidence for the built environment’s influence on health”, Delaware Valley Regional Planning Commission, Philadelphia, PA
2018 **Public Health Equity Expert Panelist**, Healthy Communities Task Force and Regional Safety Task Force Joint Meeting, “Just Streets: The Intersection of Crashes, Equity, and Health”, Delaware Valley Regional Planning Commission, Philadelphia, PA
2018 **Equity Speaker**, City of Philadelphia Vision Zero Workshop, Philadelphia Office of Transportation & Infrastructure Systems, Philadelphia, PA
2015 **Research Expert (Health and Urban Development)**, Chatham County Health Department, Chatham County, NC

Community-Driven Evaluations

2008-2010 **Volunteer heavy metal analyst**, Urban Tree Connection, Philadelphia, PA
2009 **Volunteer evaluator** of the Baltimore Avenue corridor access to healthy foods, University City, Philadelphia, PA

Academically-based Community Service

2008-2009 **Garden Volunteer and Senior Project Coordinator**, University City High School and West Philadelphia High School, Agatston Urban Nutrition Initiative, Philadelphia, PA

SKILLS

Software

ESRI ArcGIS
ArcPy Python for ArcGIS
Actigraph accelerometer software

Field

SAS
SOPARC observer
NEMS-R, NEMS-S evaluator

QStar GPS software