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CURRICULUM VITAE*USAMA BILAL, M.D., M.P.H., Ph.D.***CONTACT INFORMATION**

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EDUCATION

PhD/2017	Johns Hopkins Bloomberg School of Public Health, Baltimore, MD (Cardiovascular Epidemiology). Thesis Title: “ <i>Neighborhood Social and Economic Change, Food Environment Change and Diabetes incidence in Madrid, Spain</i> ”. Advisor: Dr. Thomas A. Glass & Dr. David D. Celentano
MPH/2012	University of Alcala/National School of Public Health, Madrid, Spain
MD/2011	University of Oviedo, Asturias, Spain

OTHER SIGNIFICANT TRAINING

2018	Population and the Environment Short Course, Santa Fe Institute
2017	Complex Systems in Public Health, University of Michigan
2016	Complex Systems Summer School, Santa Fe Institute

PROFESSIONAL EXPERIENCE

2019-Present	Assistant Professor (tenure-track), Department of Epidemiology and Biostatistics & Urban Health Collaborative, Drexel Dornsife School of Public Health, Philadelphia, PA.
2018-2019	Assistant Research Professor, Department of Epidemiology and Biostatistics & Urban Health Collaborative, Drexel Dornsife School of Public Health, Philadelphia, PA.
2017-2018	Postdoctoral Research Fellow, Urban Health Collaborative, Drexel Dornsife School of Public Health, Philadelphia PA.
2014-2017	Research Assistant, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD.
2011-2013	Research Assistant, Social and Cardiovascular Epidemiology Research Group, University of Alcalá, and Department of Epidemiology, National Center for Cardiovascular Research and Madrid, Spain.

PROFESSIONAL ACTIVITIES

Society Membership

2013-2018	American Heart Association, Epidemiology and Prevention Council
2018-2021	American Public Health Association
2011-present	Spanish Society of Epidemiology
2011-present	Spanish Society of Public Health and Health Administration
2013-present	Society for Epidemiologic Research
2018-present	Interdisciplinary Association for Population Health Science
2019-present	Population Association of America

EDITORIAL ACTIVITIES

Peer Review Activities. Grant Proposal or Fellowship Applicant Reviewer

Intramural (Drexel University)

2018	SALURBAL study, Ancillary Proposals Reviewer
2019-2020	Urban Health Collaborative, Dissertation Awards Reviewer
2019-2020	GATHER T37 Fellowship, Applicant Reviewer
2020	Urban Health Collaborative, Doctoral Fellowships Reviewer
2021	Office of Undergraduate Research, STAR Scholars Reviewer

Extramural

2019	Medical Research Council (MRC), New Investigator Research Grants
2020	Canada Foundation for Innovation, Exceptional Opportunities Fund

Peer Review Activities. Journal Reviewer

BMC Genomics, PeerJ, Preventive Medicine, Tobacco Control, Public Health Nutrition, Epidemiology, Gaceta Sanitaria, International Journal of Health Geographics, Circulation, Journal of Epidemiology and Community Health, Nutrients, Diabetes Care, PLOS ONE, Global Public Health, Journal of General Internal Medicine, Journal of Urban Health, Landscape and Urban Planning, Revista Peruana de Medicina Experimental y Salud Pública, BMJ Open, Journal of the American Society of Nephrology, Journal of Healthcare for the Poor and Underserved, Journal of Health Economics, Public Health Reports, Cities and Health, Annals of Internal Medicine, American Journal of Epidemiology, Health and Place, Social Science and Medicine, Sleep, International Journal of Epidemiology, Science of the Total Environment, American Journal of Preventive Medicine, Preventing Chronic Disease, Salud Colectiva, Heart, American Journal of Public Health, Environmental Research, Nature Medicine, Global Health Journal, Health Affairs

Review of Abstracts for Scientific Meetings

2013	Spanish Society of Epidemiology Annual Meeting
2014-2020	Society for Epidemiologic Research Annual Meeting
2019-2021	Interdisciplinary Association for Population Health Sciences Annual Meeting

HONORS AND AWARDS

- 2009-2011 *CICERONE* Undergraduate Research Scholarship, National Center for Cardiovascular Research, Madrid, Spain
- 2010-2011 Ministry of Education Collaboration Scholarship, Spain
- 2013-2015 *La Caixa* Postgraduate International Fellowship, Spain
- 2013-2015 *Enrique Najera* award for young epidemiologists, Spanish Society for Epidemiology, Spain
- 2014 Society for Epidemiologic Research top 3 presentation at the 4th Annual SERdigital Student Novel Methods Web Conference
- 2015 Charlotte Silverman Fund, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
- 2015-2017 CLF-Lerner Fellow, Center for a Livable Future, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
- 2016 Carol Buck Student Prize Paper Award (*Finalist*), Society for Epidemiologic Research and 2016 Epidemiology Congress of the Americas, Miami, FL
- 2016 Dorothy and Arthur Samet Student Support Fund, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
- 2017 Delta Omega Alpha Chapter, Inductee
- 2018 Best Paper in Epidemiology (2nd prize), Spanish Society of Epidemiology 2018 Meeting, Lisbon, Portugal
- 2020 Junior Faculty Research Award, Drexel Dornsife School of Public Health

PUBLICATIONS

Peer Reviewed Journal Articles (denotes co-first authorship)*

1. **Bilal U**, Gullón P, Padilla-Bernáldez J. [Epidemiologic evidence on the role of hospitality venues in the transmission of COVID-19: a rapid review of the literature]. *Gaceta Sanitaria* 2021. *Accepted for Publication*
2. Calderón-Aynosa R, **Bilal U**, Kaufman JS. Variation in non-external and external causes of death in Peru in relation to the COVID-19 Lockdown. *Yale Journal of Biology and Medicine* 2021. *Accepted for Publication*
3. **Bilal U**, Tabb LP, Barber S, Diez Roux AV. Spatial Inequities in COVID-19 Testing, Positivity, Confirmed Cases and Mortality in 3 US Cities: an Ecological Study. *Annals of Internal Medicine* 2021. *Accepted for Publication*
4. Porta M, Pumarega J, Henriquez-Hernandez LA, Gasull M, Bartoll X, Arrebola JP, Morales E, Ibarluzea J, Algucil J, **Bilal U**, Luzardo OP. Reductions in blood concentrations of persistent organic pollutants in the general population of Barcelona from 2006 to 2016. *Science of the Total Environment* 2021. *Accepted for Publication*
5. **Bilal U**, Alfaro A, Vives A. COVID-19 and the worsening of health inequities in Santiago, Chile. *International Journal of Epidemiology* 2021. *In Press*
6. **Bilal U**, Hessel P, Perez-Ferrer C, Michael YL, Alfaro T, Tenorio-Mucha J, de Friche AAL, Pina MF, Vives A, Quick H, Alazraqui M, Rodriguez DA, Miranda JJ, Diez-Roux AV, and the SALURBAL group. Life expectancy and mortality in 363 cities of Latin America. *Nature Medicine* 2021. *In Press*
7. Kephart JL, Avila-Palencia I, **Bilal U**, Gouveia N, Caiaffa WT, Diez Roux AV. COVID-19, ambient air pollution, and environmental health inequities in Latin American cities. *Journal of Urban Health*, 2021. *In Press*
8. Gullon P, **Bilal U**, Hirsch JA, Rundle A, Judd S, Safford M, Lovasi GS. Does a physical activity supportive environment ameliorate or exacerbate socioeconomic inequities in incident coronary heart disease?. *Journal of Epidemiology and Community Health*, 2021. *In Press*
9. Sadler RC, **Bilal U**, Furr-Holden CD. Linking Historical Discriminatory Housing Patterns to the Contemporary Food Environment in Baltimore. *Spatial and Spatio-temporal Epidemiology* 2020, 100387
10. Abraham A, Gille D, Puhan MA, ter Riet G, von Wyl V, for the **International Consortium on Teaching Epidemiology [incl. Bilal U]**. Defining Core Competencies for Epidemiologists in Academic Settings to Tackle Tomorrow's Health Research Challenges: A Structured, Multi-National Effort: International Consortium on Teaching Epidemiology. *American Journal of Epidemiology*, 2020. *In Press*
11. Trias-Llimos S, Riffe T, **Bilal U**. Monitoring life expectancy levels during the COVID-19 pandemic: Example of the unequal impact of the first wave on Spanish regions. *PLoS One*. 2020 Nov 5;15(11):e0241952.

12. Perez-Ferrer C, Auchincloss AH, Barrientos-Gutierrez T, Colchero A, Cardoso L, Menezes M, **Bilal U**. Longitudinal Changes in the Retail Food Environment in Mexico and their Association with Diabetes. *Health and Place* 2020, 66, 102461
13. Martinez-Garcia A, Diez J, Fernandez-Escobar C, Trescastro-Lopez EM, Pereyra-Zamora P, Ariza C, **Bilal U**, Franco M. Adaptation and evaluation of the Nutrition Environment Measures Survey in stores to assess Mediterranean food environments (NEMS-S-MED). *International Journal of Environmental Research and Public Health* 2020, 17(19), 7031
14. Lazo M, **Bilal U**, Mitchell MC, Potter J, Hernaez R, Clark JM. Interaction between alcohol consumption and PNPLA3 variant in the prevalence of hepatic steatosis in the U.S. Population. *Clinical Gastroenterology and Hepatology* 2020 Aug 31:S1542-3565(20)31213-1.
15. Trias-Llimos S, **Bilal U**. Impact of the COVID-19 pandemic on life expectancy in Madrid (Spain). *Journal of Public Health*, 2020;42(3):635-636.
16. Gullon P, Diez J, Cainzos-Achirica M, Franco M, **Bilal U**. Social Inequities in Cardiovascular Risk Factors in women and men by Autonomous Regions in Spain. *Gaceta Sanitaria* 2020 Jul 13:S0213-9111(20)30117-5.
17. Martinez-Amezcuca P, Haque W, Khera R, Kanaya AM, Saptar N, Kandula NH, Jose PO, Narayan V, Agyemang C, Misra A, Jenum AK, **Bilal U**, Nasir K, Cainzos-Achirica M. The Upcoming Epidemic of Heart Failure in South Asia. *Circulation: Heart Failure* 2020 Oct;13(10):e007218
18. **Bilal U**, Franco M, Lau B, Celentano D, Glass T. Measuring Neighborhood Social and Economic Change for Urban Health Studies. *Urban Studies* 2020; 57(6), 1301–1319
19. Valiente R, Escobar F, Pearce J, **Bilal U**, Franco M, Sureda X. Estimating and mapping cigarette butt littering in urban environments: A GIS approach. *Environmental Research* 2020, 109142
20. Gullon P, **Bilal U**, Sanchez P, Diez J, Lovasi GS, Franco M. A comparative case study of walking environment in Madrid and Philadelphia using multiple sampling methods and street virtual audits. *Cities & Health* 2020. *In Press*
21. Hirsch JA, Zhao Y, **Bilal U**, Neckerman KM, Michael YL. Health and Health-Related Resources in Newly Designated Federally Qualified Opportunity Zones, US, 2012-2016. *American Journal of Public Health* 2020; 110 (3), 407-415
22. Valiente R, Escobar F, Pearce J, **Bilal U**, Franco M, Sureda X. Mapping the visibility of smokers across a large capital city. *Environmental Research* 2020, 180, 108888
23. Misiaszek C, Kvit A, Burns C, Harding J, Buczynski AB, Freishtat H, Bassarab K, **Bilal U**, Palmer A. Reliability of an audit tool to measure healthy food availability in food outlets across Baltimore City. *Journal of Hunger and Environmental Nutrition* 2020;15(5)628-42
24. **Bilal U**, Diez-Roux AV, Alazraqui M, Caiaffa WT, Lopez-Olmedo N, Martinez-Folgar K, Miranda JJ, Rodriguez DA, Vives A. Life expectancy inequalities within six large Latin American cities in the SALURBAL study: an ecological analysis. *The Lancet Planetary Health* 2019; 3 (12), e503-e510

25. McCulley EM, Mullachery P, Rodriguez D, Diez-Roux AV, **Bilal U**. Urban Scaling of Health Outcomes: a protocol for a scoping review. *BMJ Open* 2019; 9 (11), e031176
26. Diez J, Cebrecos A, Galen I, Perez-Freixo H, Franco M, **Bilal U**. Assessing the retail food environment in Madrid: evaluation of administrative data against ground-truthing. *International Journal of Environmental Research and Public Health*. 2019, 16(19), 3538
27. Diez J, **Bilal U**, Franco M. Unique features of the Mediterranean food environment: Implications for the prevention of chronic diseases. *European Journal of Clinical Nutrition*. 2019 Jul;72(Suppl 1):71-75.
28. Knapp, EA, **Bilal U**, Lazo M, Dean LT, Celentano D. Economic Insecurity and Deaths of Despair in US Counties. *American Journal of Epidemiology* 2019; 188 (12), 2131-2139
29. Diez J, Cebrecos A, Rapela A, Borrell LN, **Bilal U**, Franco M. Socioeconomic inequalities in the retail food environment around schools in the city of Madrid. *Nutrients*. 2019;11(7)1511
30. Cereijo L, Gullón P, Cebrecos A, **Bilal U**, Santacruz J, Valadés D, Badland H, Franco M. Does area-level socioeconomic status matter for access to and availability of exercise facilities in Madrid? *International Journal of Health Geographics*. 2019;18:15
31. **Bilal U**, Glass T, del Cura-Gonzalez I, Sanchez-Perruca L, Celentano D, Franco M. Neighborhood Social and Economic Change and Diabetes Incidence: The HeartHealthyHoods Study. *Health and Place* 2019;58:102149
32. Cainzos-Achirica M, Fedeli U, Sattar N, Agyemang C, Jenum AK, McEvoy JW, Murphy JD, Brotons C, Elosua R, **Bilal U**, Kanaya AM, Kandula NR, Martinez-Amezcuca P, Comin-Colet J, Pinto X. Epidemiology, risk factors, and opportunities for prevention of cardiovascular disease in individuals of South Asian ethnicity living in Europe. *Atherosclerosis*. 2019;286:105-113.
33. Langellier BA, **Bilal U**, Montes F, Meisel JD, de Oliveira Cardoso L, Hammond RA. Complex systems approaches to diet: a systematic review. *American Journal of Preventive Medicine* 2019 Aug;57(2):273-281
34. Miles B, **Bilal U***, Hutton H, Lau B, Lesko C, Fojo A, McCaul M, Keruly J, Moore R, Chander G. Smoking, Substance Use, and Mental Health Symptoms in People with HIV in an Urban, HIV Clinic. *Journal of Health Care for the Poor and Underserved* 2019, 30: 1083–1102
35. Cainzos-Achirica M, Vela E, Cleries M, **Bilal U**, Mauri J, Pueyo MJ, Rosas A, Blaha MJ, Kanaya AM, Enjuanes C, Garcia-Eroles L, Comin-Colet J. Cardiovascular Risk Factors and Disease among Non-European Immigrants Living in Catalonia. *Heart* 2019 Aug;105(15):1168-1174.
36. Valiente R, Sureda F, **Bilal U**, Navas-Acien A, Pearce J, Franco M, Escobar FJ. Regulating the local availability of tobacco retailing in Madrid, Spain: a GIS study to evaluate compliance. *Tobacco Control*. 2019;28:325–333
37. **Bilal U**, Cainzos-Achirica M, Cleries M, Santaegenia S, Corbella X, Comin-Colet J, Vela E. Socioeconomic Status, Life Expectancy and Mortality in a Universal Healthcare Setting: An Individual-Level Analysis of More Than 6 Million Catalan Residents. *Preventive Medicine* 2019 Jun;123:91-94

38. Quistberg DA, Diez-Roux AV, **Bilal U**, Moore K, Ortigoza A, Rodriguez DA, Sarmiento OL, Frenz P, Friche AA, Caiaffa WT, Vives A, Miranda JJ, the SALURBAL Group. Building a Data Platform for Cross-Country Urban Health Studies: the SALURBAL Study. *Journal of Urban Health*. 2019 Apr;96(2):311-337
39. Cainzos-Achirica M, Capdevila C, Vela E, Cleries M, **Bilal U**, Garcia-Altes A, Enjuanes C, Garay A, Yun S, Farre N, Corbella X, Comin-Colet J. Individual Income, Mortality and Healthcare Resource Use in Patients with Chronic Heart Failure Living in a Universal Healthcare System: A Population-Based Study in Catalonia, Spain. *Int J Cardiol*. 2019 Feb 15;277:250-257
40. **Bilal U**, Hill-Brigs F, Sanchez-Perruca L, del Cura I, Franco M. Association of Neighborhood Socioeconomic Status and Diabetes Burden using Electronic Health Records in Madrid (Spain): The Heart Healthy Hoods Study. *BMJ Open*. 2018;8:e021143.
41. Cainzos-Achirica M, **Bilal U***, Al Rifai M, McEvoy JW, Blumenthal RS, Kapoor K, Martin-Sanchez JM, Comin-Colet J, Pladevall-Vila M, Blaha MJ. Communication Issues in Nutritional Observational Research. *Preventive Medicine*. 2018 Oct;115:76-82.
42. **Bilal U**, Diez-Roux AV. Troubling Trends in Health Disparities. *New England Journal of Medicine*. 2018; 378(16):1557-1558.
43. Knapp EA, **Bilal U**, Burke BT, Dougherty GB, Glass TA. A network approach to understanding obesogenic environments for children in Pennsylvania. *Connections*. 2018;38(1):1-11
44. Sureda F, **Bilal U**, Fernandez E, Valiente R, Escobar FJ, Navas-Acien A, Franco M. Second-hand smoke exposure in outdoor hospitality venues: smoking visibility and assessment of airborne markers. *Environmental Research*. 2018 Aug;165:220-27
45. Martin-Sanchez J, Martinez-Sanchez J, **Bilal U**, Cleries R, Marcela F, Cristina L, Sureda F, Franco M, Fernandez E. Sex and age specific projections of smoking prevalence in Spain: a Bayesian approach. *Nicotine & Tobacco Research*. 2018 May 3;20:725-30
46. **Bilal U**, Jones-Smith J, Diez J, Lawrence RS, Celentano DD, Franco M. Neighborhood social and economic change and retail food environment change in Madrid (Spain): The Heart Healthy Hoods Study. *Health & Place*. 2018 May;51:107-17.
47. **Bilal U**, Lau B, Matthews CW, Mayer K, Geng E, Napravnik S, Eron JJ, Mugavero MJ, Hutton H, Cropsey K, McCaul ME, Crane H, Chander G. Predictors of Longitudinal Trajectories of Alcohol Consumption in People with HIV. *Alcohol Clinical and Experimental Research*. 2018 Mar;42(3):561-570.
48. **Bilal U**, Knapp EA, Cooper RS. Swing Voting in the 2016 Presidential Election in Counties Where Midlife Mortality has been Rising in White Non-Hispanic Americans. *Social Science and Medicine*. 2018 Jan;197:33-38
49. Cainzos-Achirica M, **Bilal U***, Kapoor K, Quispe-Ayala R, McEvoy JW, Pladevall-Vila M, Blumenthal RS, Blaha MJ. Methodological Issues in Nutritional Epidemiology Research – Sorting Through the Confusion. *Current Cardiovascular Risk Reports*. 2018;12:4
50. Goldstein D, **Bilal U**, Prasad V. Pembrolizumab as first line therapy in PD-L1 positive advanced lung cancer: Is it as effective as we think it is? *Cancer*. 2017; 123(20):3872-3874

51. Gullon P, **Bilal U***, Cebrecos A, Badland HM, Galan I, Franco M. Socioeconomic Determinants of Small-Area Walkability in Madrid: The Heart Healthy Hoods Project. *International Journal of Health Geographics*. 2017; 16:21
52. Martin-Sanchez J, **Bilal U**, Cleries R, Lidon-Moyano C, Marcela F, Gonzalez-de Paz L, Franco M, Fernandez E. Martinez-Sanchez J. Modelling Lung Cancer Mortality Rates from Smoking Prevalence: Fill in the Gap. *Cancer Epidemiology*. 2017 May 18;49:19-23
53. **Bilal U**, Cooper RS, Abreu FM, Nau C, Franco M, Glass TA. Economic growth and mortality: do social protection policies matter? *International Journal of Epidemiology* 2017 Aug 1;46(4):1147-1156.
54. Fuentes S, **Bilal U**, Galan I, Villalbi JR, Espelt A, Bosque-Prous M, Franco M, Lazo M. Binge drinking and well-being in European Older Adults: Do gender and region matter? *European Journal of Public Health*. 2017 Aug 1;27(4):692-699.
55. Cebrecos A, Diez J, Gullon P, **Bilal U**, Franco M, Escobar F. Characterizing physical activity and food urban environments: a GIS-based multicomponent proposal. *International Journal of Health Geographics*. 2016;15:35
56. **Bilal U**, Diez J, Alfayate S, Gullon P, del Cura I, Escobar F, Sandin M, Franco M. Population Cardiovascular Health and Urban Environments: The Heart Healthy Hoods exploratory study in Madrid, Spain. *BMC Medical Research Methodology*. 2016;16:104
57. Diez J, **Bilal U**, Cebrecos A, Buczynski A, Lawrence RS, Glass TA, Escobar F, Gittelsohn J, Franco M. Understanding differences in the local food environment across countries: A case study in Madrid (Spain) and Baltimore (USA). *Preventive Medicine*. 2016 Aug; 89: 237-244
58. Carrasco M, **Bilal U**. A Sign of the Times: To Have or To Be? Social Capital or Social Cohesion? *Social Science and Medicine*. 2016 Jun 159: 127-131
59. **Bilal U**, Beltran P, Navas-Acien A, Fernandez E, Bolumar F, Franco M. Gender Equality and Smoking: a theory-driven approach to smoking gender differences in Spain. *Tobacco Control* 2016 May;25(3):295-300
60. **Bilal U**, Lau BM, Lazo M, McCaul ME, Hutton HE, Sulkowski MS, Moore RD, Chander GD. Interaction Between Alcohol Consumption Patterns, Antiretroviral Therapy Type and Liver Fibrosis in Persons Living with HIV. *AIDS Patient Care and STDs* 2016 May;30(5):200-7.
61. Glass TA, **Bilal U**. Are neighborhoods causal? Complications arising from the ‘stickiness’ of ZNA. *Social Science and Medicine*. 2016 Oct;166:244-53.
62. Cobb LK, Anderson CA, Appel LJ, Jones-Smith J, **Bilal U**, Gittelsohn J, Franco M. Changes in healthy food availability in Baltimore City food stores, 2006-2012 and the impact of the 2009 WIC policy change. *Health Affairs*. 2015 Nov 1;34(11):1849-5
63. Prasad V, **Bilal U**. The Role of Censoring on Progression Free Survival: Oncologist Discretion Advised. *European Journal of Cancer* 2015. 2015 Nov;51(16):2269-71
64. Gullon P, Badland HM, Alfayate S, **Bilal U**, Escobar F, Cebrecos A, Diez J, Franco M. Assessing walking and cycling environments in the streets of Madrid: Comparing on-field and virtual audits. *Journal of Urban Health*. 2015 Oct;92(5):923-39

65. Franco M, **Bilal U**, Diez-Roux AV. Preventing non-communicable diseases through structural changes in urban environments. *Journal of Epidemiology and Community Health*. 2015 Jun;69(6):509-11
66. Suarez L, **Bilal U***, Bordallo J, Cantabrana B, Sanchez M. Androgens block outward potassium currents and decrease spontaneous action potentials in GH3 cells. *Naunyn Schmiedebergs Arch Pharmacol*. 2015 Jan;388(1):67-78.
67. Redondo O, Villamor E, Valdes J, **Bilal U**, Caballero B, Roche D, Kroker F, Ramirez M, Franco M. Validation of a BMI cutoff point to predict an adverse cardiometabolic profile with DEXA adiposity measurements in Guatemalan children. *Public Health Nutrition* 2014 Jun 23:1-8.
68. **Bilal U**, Fernandez E, Beltran P, Navas-Acien A, Bolumar F, Franco M. Validation of a Method to Reconstruct Historical Smoking Prevalence Rates. *American Journal of Epidemiology* 2014;179 (1): 15-19.
69. Franco M, **Bilal U**, Orduñez P, Benet M, Morejon A, Caballero B, Kennelly JF, Cooper RS. Population-wide body weight loss and regain in relation to diabetes and cardiovascular disease mortality: Cuba 1980-2010. *British Medical Journal*. *BMJ* 2013;346:f1515.
70. Franco M, **Bilal U**, Guallar E, Sanz G, Gomez A, Fuster V, Cooper R. Systematic Review of Three Decades of Spanish Cardiovascular Epidemiology: Improving Translation for a Future of Prevention. *European Journal of Preventive Cardiology*. 2013 Ago;60(4):565-576.

Reviews and other non-peer reviewed essays

1. **Bilal U**. [The dynamics of contagion in cities]. *Revista Panorama Social FUNCAS*, 2020 Dec; (32):77-94
2. **Bilal U**. [COVID-19 in the US: inequality as cause and consequence]. *Revista de Medicina y Cine*, 2020. *Accepted for Publication*
3. Cainzos-Achirica M, **Bilal U**. Polypill for Population-Level Primary Cardiovascular Prevention in Underserved Populations at Heterogeneous Risk — A Social Epidemiology Counterargument. *American Journal of Medicine*, 2020 May 20:S0002-9343(20)30420-4.
4. **Bilal U**, Auchincloss AH, Diez-Roux AV. Neighborhood Environments and Diabetes Risk and Control. *Current Diabetes Reports*. 2018;18:62
5. Lazo M, **Bilal U***, Perez-Escamilla R. Epidemiology of NAFLD and Type 2 Diabetes: Health Disparities Among Persons of Hispanic Origin. *Current Diabetes Reports*. 2015 Dec;15(12):116
6. Franco M, Cooper R, **Bilal U**, Fuster V. Challenges and opportunities for cardiovascular disease prevention. *American Journal of Medicine*. 2011 Feb;124(2):95-102.

Commentaries, Editorials and Letters

1. Schnake-Mahl A, **Bilal U**. Person, Place, Time and COVID-19 Inequities. *American Journal of Epidemiology* 2021, *Accepted for Publication*

2. Mullachery PH, **Bilal U**. The Social Cross-Over in Cardiovascular Disease: Context Matters. *Heart* 2021. *In press*
3. **Bilal U**, Gullon P. [Book Review: A quien vamos a dejar morir?]. *Gaceta Sanitaria*, 2020. *In press*
4. **Bilal U**. What has it meant for me to be an epidemiologist in 2020?. *Epidemiology*, 2021 Jan;32(1):146-147
5. **Bilal U**. Comment on Precision Medicine and Individual Health. *Issues in Science and Technology*. Spring 2020;36(3)
6. **Bilal U**, Cainzos-Achirica M. Polypill for Cardiovascular Disease Prevention in an Underserved Population. *New England Journal of Medicine*, 2020; 382 (1), 94-95
7. Cainzos-Achirica M, Trapero-Bertran M, **Bilal U**, Corbella X, Comin-Colet J. Chronic Heart Failure Care and Costs: What Is the Efficiency of Investing in Quality?. *JACC Heart Failure*. 2018 Aug;6(8):723-724.
8. Cainzos M, Pladevall-Vila M, **Bilal U**. Selection Bias and Residual Confounding in the studies by Gunter and Park. *Annals of Internal Medicine*. 2018 Mar 6;168(5):379-380.
9. **Bilal U**, Kaufman JS. The Theft of Well-Being: A comment on Zunzunegui, et al. *Gaceta Sanitaria*. 2017 Sep - Oct;31(5):363-364.
10. Carrasco M, **Bilal U**. Are subversion and conflict component parts of social cohesion? - A response to Lindstrom. *Social Science and Medicine* 2016 Sep 10;169:31-32
11. **Bilal U**, Padilla-Bernaldez J. [Cancer and Meat Consumption: Beyond Individual Lifestyles]. *Gaceta Sanitaria*. 2016 Jul-Aug;30(4):318.
12. **Bilal U**, Fernandez E, Navas-Acien A, Bolumar F, Franco M. Five Authors Reply. *American Journal of Epidemiology*. 2014 Sep 15;180(6):659
13. Gullón P, **Bilal U**, Franco M. Physical activity environment measurement and same source bias. *Gaceta Sanitaria*. 2014 Jul-Aug;28(4):344-5
14. Padilla J, Carmona M, **Bilal U**. Trivializing conflict of interest, a crime against public health. *British Medical Journal (Rapid-Response)*, 12 November 2013)
15. **Bilal U**, Padilla J. Spanish government expels undocumented migrants from the health care system. *European Journal of Public Health (E-Letter)*, 8 June 2012)
16. Franco M, Cooper R, **Bilal U**, Fuster V. Control of Coronary Heart Disease Risk Factors and Evidence-Based Therapies: Joint Efforts for Coronary Heart Disease Prevention in Spain. *Revista Española Cardiología*. 2011 Nov;64(11):962-964

Book Chapters

1. **Bilal U**. Urbanismo o Barbarie [Urbanism or Barbarism]. In: Lopez Ruiz V, Padilla Bernaldez J (eds.) *Salubrisimo o Barbarie [Public Health or Barbarism]*. Madrid: Atrapasueños Editorial; 2017.

2. Franco M, **Bilal U**, Diez J. Local Food Environment. In: Caballero, B., Finglas, P., and Toldrá, F. (eds.) The Encyclopedia of Food and Health vol. 4, pp. 139-144 (2016). Oxford: Academic Press.
3. Lazo M, **Bilal U**. Obesity: Epidemiology of. In: Caballero, B., Finglas, P., and Toldrá, F. (eds.) The Encyclopedia of Food and Health vol. 4, pp. 139-144 (2016). Oxford: Academic Press.
4. Franco M, **Bilal U**. [Epidemiology of Hypertension and Angina Pectoris in Spain]. Formación Continuada en Atención Primaria; 2012.
5. **Bilal U**, Belza MJ, Bolumar F. [Introduction to Epidemiology and its use in Health Administration]. In: [Master in Health Administration. Module 3: Public Health and Clinical Epidemiology]. Madrid: National University of Distance Education; 2012.

Statistical Software

1. GGTONOMY: **Stata** module to identify the most suitable GG family model. Statistical Software Components S458058, Boston College Department of Economics, revised 16 Sep 2017: <https://ideas.repec.org/c/boc/bocode/s458058.html> (Adapted from GGTONOMY)
2. STCRMIX: **Stata** module to estimate mixtures of generalized gamma distributions for competing risks analyses. Statistical Software Components S458519, Boston College Department of Economics: <https://ideas.repec.org/c/boc/bocode/s458519.html>

Briefs and other outreach material

1. **Bilal U**, Gullon P, Padilla-Bernaldez J. [Evidence on the role of hospitality venues in the transmission of COVID-19: a literature review]. Technical Report for the Directorate of Public Health of Asturias (Spain). 2021
2. Barber S, **Bilal U**, Diez-Roux AV, Furukawa A, Koh C, Kolker J, Li R, McCulley E, Rollins H, Schnake-Mahl A, Sharaf A, Vaidya V. Tracking Inequities in COVID-19 Related Outcomes in Select Cities. Urban Health Collaborative. 2021
3. Indvik K, Siri J, Ghani F, Sarmiento OL, Barrientos-Gutierrez T, Diez-Canseco F, Miranda J, Vives A, Cortinez A, Rodriguez D, Caiaffa W, **Bilal U**, Ramirez-Zea M, Spinelli H, Lein A, Slesinski A, Diez-Roux AV. Knowledge to policy translation for urban health. Lessons from Latin American Cities. SALURBAL Policy Brief No. 5. Feb 2020
4. Lein A, Slesinski C, **Bilal U**, Indvik K, Melly S, Diez-Roux AV, and the SALURBAL DMC. Mortality and Life Expectancy in Latin American Cities. SALURBAL Data Brief No. 2. Sep 2019
5. Lein A, Slesinski C, Diez-Roux AV, Indvik K, Siri J, **Bilal U**, Quistberg A, Moore K. Data in the SALURBAL project. SALURBAL Data Brief No. 1. Nov 2018
6. Lein A, Cardoso L, Sarmiento OL, Perez-Ferrer C, Kroger-Lobos F, Braslow J, **Bilal U**, Menezes-Carvalho M, Barrientos T, Miranda JJ, Diez-Canseco F, Mayen AL, Slesinski C, Siri J, Caiaffa WT, Frenz P, Vives A, Rodriguez D, Diez-Roux AV. Food and Urban Health: Lessons from Latin America. SALURBAL Policy Brief No. 2. May 2018

Op-eds and other pieces in the general media

1. **Bilal U**, Lazo M, Franco M. [Leganes, Iztapalapa and the Bronx: coronavirus and inequalities in the global city]. El PAIS 2020. <https://elpais.com/ciencia/2020-05-16/leganes-iztapalapa-y-el-bronx-coronavirus-y-desigualdad-en-la-ciudad-global.html>
2. **Bilal U**. [Racism kills]. El Salto Diario 2018. <https://www.elsaltodiario.com/derechos-humanos/el-racismo-mata-antes-y-ahora>
3. Padilla J, **Bilal U**. [Should we restrict healthcare coverage to people with unhealthy behaviors?]. El Diario 2016. http://www.eldiario.es/tribunaabierta/Restringir-sanidad-publica-cuida_6_556154408.html
4. Franco M, **Bilal U**, Cooper RC. [Baltimore, a showcase of inequality]. El PAIS 2015. http://elpais.com/elpais/2015/05/04/ciencia/1430735350_821550.html

CURRICULUM VITAE

USAMA BILAL, M.D., M.P.H., Ph.D.

PART II

MENTORING

Postdoctoral Fellows

2019-current Pricila Mullachery, PhD. Current position: Postdoctoral Fellow, UHC
 2019-current Josiah Kephart, PhD. Current position: Postdoctoral Fellow, UHC
 2020-current Alina Schnake-Mahl, ScD. Current position: Postdoctoral Fellow, UHC

Advisees (Doctoral)

2017-2020 Julia Diez, BS. Program: Doctoral Program in Epidemiology and Public Health, Universidad de Alcala, Madrid, Spain. Thesis title: Mediterranean Food Environments: Monitoring and Benchmarking Inequalities in Retail Food Access. Current position: Researcher (Universidad de Alcala).
Awarded the Alicia Llacer award for young epidemiologists at the 2018 Spanish Society of Epidemiology Meeting in Lisbon, Portugal
Awarded 2nd place in the science dissemination award from the Universidad de Alcala, Spain.

2019-current Kevin Martinez-Folgar, MD. Program: PhD in Epidemiology, Dornsife School of Public Health, Drexel University. Thesis title: TBD

2020-current Irene Suarez Antuña, MS. Program: PhD in Biomedicine, Facultad de Medicina, Universidad de Oviedo, Spain. Thesis title: Impact of Public Health Measures on Cardiovascular Risk Factor Prevalence and Control in Asturias (Spain).

Advisees (Master)

2020-2021 Celina Koh. Program: MPH in Epidemiology, Dornsife School of Public Health, Drexel University. Current Position: Analyst (NJ State Department of Health)
Awarded Best Master's Project Award in the Department of Epidemiology and Biostatistics, Drexel Dornsife School of Public Health.

2020-2021 Alyssa Furukawa. Program: MPH in Epidemiology, Dornsife School of Public Health, Drexel University.

2020-current Asma Sharaf. Program: MS in Epidemiology, Dornsife School of Public Health, Drexel University.

2021-current Vineeth Nagubandi. Program: MPH in Global Health, Dornsife School of Public Health, Drexel University.

2021-current Jacob Stass. Program: MPH in Global Health, Dornsife School of Public Health, Drexel University.

2021-current Carly Cherwony. Program: MPH in Global Health, Dornsife School of Public Health, Drexel University.

Doctoral Thesis Advisory Committee Member

2017-2021 Roberto Valiente, BS MS. Program: Doctoral Program in Geographic Information Technologies, Universidad de Alcala, Spain

2019-current Yenisei Ramírez Toscano, BS. Program: Doctoral Program in Population Nutrition, Instituto Nacional de Salud Publica, México.

2019-current Ariela Braverman-Bronstein, MD. Program: PhD in Epidemiology, Dornsife School of Public Health, Drexel University.

2020-current Dustin Fry, MPH. Program: PhD in Epidemiology, Dornsife School of Public Health, Drexel University.

2020-current Nishita D'Souza, MPH. Program: PhD in Community Health and Prevention, Dornsife School of Public Health, Drexel University.

2020-current Catalina Correa, BS. Program: PhD in Community Health and Prevention, Dornsife School of Public Health, Drexel University.

2020-current Herney Rengifo, BS. Program: Doctoral Program in Epidemiology, Instituto Nacional de Salud Publica, México.

2021-current Rosie Mae Henson, Program: Doctoral Program in Health Management and Policy, Drexel University.

2021-current Bricia Trejo, MPH. Program: PhD in Epidemiology, Dornsife School of Public Health, Drexel University.

Master Research Advisor

2019-2020 Edwin McCulley, BA. Program: MS in Epidemiology, Dornsife School of Public Health, Drexel University, Philadelphia PA. Thesis title: Do the Scaling Properties of Premature Mortality vary by City Definition?. Current position: Research Coordinator (Drexel University).

2019-2020 Ran Li, BS. Program: MS in Biostatistics, Dornsife School of Public Health, Drexel University, Philadelphia PA. Thesis title: Acknowledging uncertainty in the association between small area PM2.5 and Life Expectancy. Current Position: Data Analyst (Drexel University)

Thesis Reader

2019 Virna Almeida, MD. Program: Masters in Epidemiology, Health Management and Policy. Universidad de Lanus, Argentina.

2019 Monica Serena Perner, MD. Program: PhD in Collective Health. Universidad de Lanus, Argentina.

2020 Maija Toivakka, MS. Program: PhD in Geographical and Historical Studies. University of East Finland, Finland

Rotation Students

- 2019-2020 Toni Jenkins, BS. Program: Masters of Science in Interdisciplinary Health Sciences Program, Drexel University. Current Position: Medical Student (Howard University).
- 2020 Elena Plans, MD MPH. Program: Residency in Preventive Medicine and Public Health, Hospital Universitario Gregorio Marañon, Spain. Current Position: Residency in Preventive Medicine (Spain).

Undergraduate Research mentees

- 2020-current Angela D'Adamo. Program: Bachelor of Science in Public Health, Rutgers University–New Brunswick.
- 2020-current Andrea Eleazar (STAR Scholar). Program: Bachelor of Science in Public Health, Drexel University.
- 2020-current Nahian Ehtesham. Program: Bachelor of Science in Public Health, Drexel University.

Other mentored fellows

- 2019-current Rosie Mae Henson, MPH (T37 GATHER Fellow). Program: Doctoral Program in Health Management and Policy, Drexel University.
- 2020-current Fadia Namous, BS (DUCOM Scholars Program, Public Health Track). Program: Medical Doctor program, Drexel University

TEACHING*Classroom Instruction (Instructor or Course Director)*

University of Alcalá, Madrid, Spain
2013 Epidemiology (6 ECTS credits)

Drexel University, Philadelphia, PA
2021 Advanced Topics in Epidemiology: History, Theory and Biases (3 credits)

Short Courses (Instructor or Course Director)

National School of Public Health, Madrid, Spain
2013 Social Epidemiology (20 hours)
2016 Social Epidemiology (20 hours)

Universidad Internacional Menéndez Pelayo / Escuela de Salud Pública de Menorca, Spain
2017 Urban Health Research (15 hours)

Drexel University, Philadelphia, PA
2018-2020 Multilevel Analysis for Urban Health Research (17.5 hours)
2019-2020 Data Visualization in R for Urban Health (17.5 hours)
2019 Introduction to Multilevel Analysis for SALURBAL Data (15 hours)

Universidad Nacional de Lanús / Instituto de Salud Colectiva, Lanús, Argentina
2019 Introduction to Multilevel Analysis (32 hours)

Guest Lecturing

University of Alcalá, Madrid, Spain
2011, 2012 Epidemiology

University of Oviedo, Asturias, Spain
2012, Introduction to Cardiovascular Epidemiology
2015-2020

Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
2017 Social Epidemiology (summer institute)
2017-2019 Epidemiology of Diabetes and Obesity
2019 The Obesity Epidemic Problem-Solving Seminar

University of Antwerp, Antwerp, Belgium
2019 Methods in Social Epidemiology

Drexel University, Philadelphia, PA
2018 Built Environment and Health

2019-2020 Introduction to Urban Health
 2019 Research Skills in Biostatistics
 2020 Social Epidemiology
 2020-2021 Interprofessional Collaboration for Urban Health

Harvard University, Cambridge, MA

2020-2021 Public health in an era of epidemics: from the camp to the building

University of North Carolina-Chapel Hill, Chapel Hill, NC

2021 From Data to Action

Other Significant Teaching (Teaching Assistant, Laboratory Instructor)

Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

2014-2016 Tutor for 15 students in Principles of Epidemiology, Epidemiologic Methods I, II and III, and Statistical Methods in Public Health I, II and III.

2014-2016 Social Epidemiology, Teaching Assistant.

2015 Foundations of Social Epidemiology, Teaching Assistant.

2015 Methodologic Challenges in Epidemiologic Research, Teaching Assistant.

2015 Methods for Clinical and Translational Research Workshop, Teaching Assistant.

2015 Advanced Methods for the Design and Analysis of Cohort Studies, Lab Instructor and Teaching Assistant.

2016 Advanced Seminar in Social Epidemiology, Teaching Assistant.

2016 Political Economy of Social Inequalities, Teaching Assistant.

ACADEMIC SERVICE

School of Medicine, University of Oviedo, Asturias, Spain

2004-2007 Asturian Medical Students Association, webpage administrator

2007-2009 Spanish Medical Students Federation (IFMSA-Spain), webpage administrator

2008-2009 Asturian Medical Students Association, President

2009-2010 Spanish Medical Students Federation (IFMSA-Spain), President

2010 Head of Delegation at the 59th General Assembly of the International Federation of Medical Students Associations (IFMSA), Bangkok

2010 Head of Delegation at the 60th General Assembly of the International Federation of Medical Students Associations (IFMSA), Montreal

2011 Committee for the adaptation of the Doctor of Medicine Degree to the European Higher Education Area, student representative

School of Medicine, Universidad de Alcalá, Madrid, Spain

2012-2013 Social and Cardiovascular Epidemiology Research Group, Journal Club Coordinator

Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

2013-2017	Social Epidemiology Student Organization, <u>Director</u>
2014-2015	Departmental Curriculum Committee, Department of Epidemiology, <u>Student Representative</u>
2014-2015	<u>Coordinator</u> for the Research Pearl at the Welch Center Grand Rounds of Clinical Research, Johns Hopkins Medical Institutions
2015-2016	Website Design Committee, Welch Center Grand Rounds of Clinical Research, <u>Trainee Representative</u>
2015-2016	Departmental Faculty Committee, Department of Epidemiology, <u>Student Representative</u>
2015-2016	CLF-Lerner Fellows Journal Club, Center for a Livable Future, <u>Co-Coordinator</u>
2016-2017	CLF-Lerner Fellows Enrichment Activities, Center for a Livable Future, <u>Co-Coordinator</u>
2016-2017	Epidemiology Inclusion, Diversity, Equity & Science (Epi-IDEAS) Workgroup, Department of Epidemiology, <u>Founding Member</u>

Drexel University Dornsife School of Public Health, Philadelphia, PA

2018-2019	Ad-hoc committee to design appointment and promotion guidelines for research faculty in the Dornsife School of Public Health, <u>Member</u>
2019-present	Global Health Advisory Committee, Office of Global Health, Dornsife School of Public Health, <u>Member</u>
2019-present	Curriculum Committee, Department of Epidemiology and Biostatistics, Dornsife School of Public Health, <u>Member</u>
2020	Virtual STAR Undergraduate Scholars Competition, Drexel University, <u>Poster Judge</u>

COMMUNITY SERVICE

2020	Lecture on Epidemics and Inequalities, Escuela Clara Campoamor, PODEMOS Asturias (Spain)
2020	Panelist, COVID-19 Health Equity Gaps, Council of State Governments-Eastern Regional Conference and Healthcare Ready
2020	Member of the Advisory Group on the Reopening of the Economy of Asturias, Asturian Regional Government (Spain)
2020	Provided expert Testimony on the Committee to Review the Government Response to the COVID-19 Pandemic, Parliament of Asturias (Spain)
2020-current	Member of the COVID-19 Racial Equity Response Team, Philadelphia Department of Public Health
2020-current	Member of the COVID-19 Response Advisory Board, Asturian Regional Government (Spain)
2021	Lecture on Epidemiology and Public Health, Montedeva High School, Asturias (Spain)

2021

Produced technical report on the role of indoor dining in COVID-19 transmission for a court case involving the Directorate of Public Health of Asturias (Spain) and the local restaurants association.

RESEARCH GRANT PARTICIPATION*Active*

Wellcome Trust (Our Planet Our Health) **04/01/2017-03/31/2022**
 Diez-Roux, P.I. (Bilal, Co-investigator) Total costs: \$12,191,632
What makes cities healthy, equitable and environmentally sustainable? Lessons from Latin America (Our Planet, Our Health 205177/Z/16/Z)

National Institutes of Health, Office of the Director **09/06/2018-08/31/2023**
 Bilal, P.I. Total costs: \$1,956,250
The Health Consequences of Urban Scaling (Early Independence Award, DP5OD026429)

National Institutes of Health, Office of the Director **09/01/2020-08/31/2021**
 Bilal, P.I. Total costs: \$391,250
COVID-19 Inequities among Hispanics in US Cities (Supplement to DP5OD026429)

Bloomberg Philanthropies **01/01/2019-07/31/2021**
 Diez-Roux, P.I. (Bilal, Co-investigator) Total costs: \$299,693
Evaluation of road traffic safety initiatives in Mexico City and Leon, Mexico

Robert Wood Johnson Foundation/Big Cities Health Coalition **06/15/2020-05/31/2021**
 Diez-Roux, P.I. (Bilal, Co-investigator) Total costs: \$249,000
Creation of a Dashboard for COVID-19 indicators for the members of the Big Cities Health Coalition with a focus on Health Equity

Robert Wood Johnson Foundation/Big Cities Health Coalition **12/15/2020-12/31/2021**
 Diez-Roux & Bilal, M.P.I. Total costs: \$249,000
Tracking Equity Issues in COVID-19 Testing and Vaccination Access in Selected US Cities

Complete

de Beaumont Foundation/Big Cities Health Coalition **02/01/2020-10/31/2020**
 Diez-Roux, P.I. (Bilal, Co-investigator) Total costs: \$215,000
Management of Big Cities Health Coalition Data Platform

Urban Health Collaborative Pilot Grants **07/01/2018-06/30/2019**
 Bilal, P.I. Total costs: \$15,000
Heterogeneity and Determinants of Health Disparities by Income in US Cities

Fondo de Investigaciones Sanitarias (Spain) **01/01/2016-12/31/2018**
 Sureda, P.I. (Bilal, Co-investigator) Total costs: \$91,310
Availability of Tobacco Products and Smoke free Policy Implementation in Madrid

PRESENTATIONS

Invited Seminars/Presentations

- 2012 Framework to study the Social Determinants of Health. Summer School of Public Health for Medical Students, Andalusian School of Public Health, Granada, Spain
- 2012 Sick Individuals and Sick Populations. School of Medicine, Complutense University, Madrid, Spain
- 2015 Macrosocial Changes and Chronic Diseases: Gender and Tobacco in Spain, 1960-2010. Seminar Series, National Center for Epidemiology (CNE), Madrid, Spain.
- 2016 The Health Effects of Economic Change: National Policies and Local Mechanisms. Public Health Forum. Institute of Psychology Health and Society, University of Liverpool, UK.
- 2017 Neighborhood Social and Economic Change, Food Environment Change and Diabetes Incidence in Madrid, Spain. Seminarios de Epidemiologia Social. National School of Public Health, ISCIII, Madrid, Spain.
- 2018 Neighborhood Environments and Risk of Non-Communicable Diseases (Online). YCARE (Youth/Child cArdiovascular Risk and Environmental) Research Group, University of Sao Paulo, Sao Paulo, Brasil.
- 2018 Studying Health and Health Inequalities in Cities of the Americas. Department of Epidemiology and Biostatistics Seminar Series, Drexel Dornsife School of Public Health, Philadelphia, PA.
- 2019 Heterogeneity in Health Disparities by Income in Metropolitan Areas of the US. Urban Health Collaborative Brown Bag series, Drexel Dornsife School of Public Health, Philadelphia, PA.
- 2019 Health and Health Inequalities in Cities of Latin America. Instituto de Salud Colectiva, Universidad Nacional de Lanus, Lanus, Provincia de Buenos Aires, Argentina
- 2019 Health Inequalities in Urban Areas of Latin America: preliminary results from the SALURBAL study. Global Health Program. Georgetown University, Washington, DC.
- 2019 Health and Health Inequalities in Cities of the US and Latin America. Epidemiology and Public Health Grand Rounds. University of Maryland School of Medicine, Baltimore, MD.
- 2020 Health Inequalities in the Americas – a 10,000 ft view of Urban Health in the US and Latin America. Division of Epidemiology, Department of Population Health. NYU Grossman School of Medicine, New York City, NY.
- 2020 Data visualization for Health Equity: a case study of inequalities in Latin American cities. Current Topics in Epidemiology, Department of Epidemiology. Johns Hopkins Bloomberg School of Public Health, Baltimore, MD.
- 2020 Data visualization for Health Equity. Urban Health Collaborative Brown Bag series, Drexel Dornsife School of Public Health, Philadelphia, PA.
- 2020 Health and Health Inequalities in Cities of Latin America: Preliminary Results from the SALURBAL study. Centro de Investigacion en Salud Poblacional, Instituto Nacional de Salud Publica, Cuernavaca, Mexico.

- 2020 Urban Scaling and Health: Regularities (and Irregularities) in Health Outcomes across Urban Areas of the Americas. Centre for Population Dynamics. McGill University, Montreal, QC, Canada.
- 2020 COVID-19 and Cities Webinar, Emerging Issues in the Coronavirus Pandemic Seminar Series, Drexel Dornsife School of Public Health, Philadelphia, PA.
- 2020 Spatial Inequities in COVID-19 Outcomes. Department of Epidemiology and Biostatistics Seminar Series, Drexel Dornsife School of Public Health, Philadelphia, PA.
- 2020 COVID-19 and Cities Webinar, Emerging Issues in the Coronavirus Pandemic Seminar Series, Drexel Dornsife School of Public Health, Philadelphia, PA.
- 2020 Inequities in COVID-19. Conference on Social Inequalities in Pandemics. UNESCO Chair in Citizenship, Coexistence and Pluralism, Universidad de Navarra, Pamplona, Spain.
- 2020 Social Inequalities as a Cause and Consequence of COVID-19. Drexel Libraries ScholarSip Series, Drexel University, Philadelphia, PA.

Scientific Chair (or equivalent organizer) of Scientific Events

- 2019 Levels and Determinants of Urban Mortality: A Focus on Cities of Latin America (**Scientific Organizer**). Urban Health Collaborative, Dornsife School of Public Health, Drexel University, Philadelphia, PA

Session Chair (or equivalent) at Scientific Meetings

- 2018 Urban and Environmental Health (**Session co-Chair**). Spanish Society of Epidemiology and Portuguese Association of Epidemiology Annual Meeting, Lisbon, Portugal
- 2019 Global Health (**Session Judge**). 12th Global Challenges Student Conference, Drexel University, Philadelphia, PA
- 2019 Interdisciplinary Approaches to Health Inequalities in US Cities (**Session Chair**). Interdisciplinary Association for Population Health Science Annual Meeting, Seattle, WA
- 2019 Health in Cities of the Americas (**Session Chair**). American Public Health Association Annual Meeting, Philadelphia, PA

Presentations at Scientific Meetings (Oral Presentations)

- 2009 Estrogens and Cardiovascular Primary Prevention (**Oral Presentation**). 15th National Congress of Cardiology for Medical Students, Salamanca, Spain
- 2014 Fixed-effects versus Random-effects in the analysis of time-fixed confounding of ecological time series: a simulation study (**Live Presentation, award winning**). 4th Annual SERdigital Student Novel Methods Web Conference (Online)
- 2016 Population Cardiovascular Health and Urban Environments: The Heart Healthy Hoods exploratory study in Madrid, Spain (**Oral Presentation**); Healthy urban environment characterization focused on physical activity and food: A GIS-based method (**Oral Presentation**, on behalf of A. Cebrecos); Does walkability differ by

- area sociodemographic profile? A study of Madrid City (**Oral Presentation**, on behalf of P. Gullon). 13th International Conference on Urban Health, San Francisco, CA
- 2016 [Measuring Social and Economic Change in Small Areas of Madrid, Spain: Innovative Indicators and Alternative Data Sources] (**Oral Presentation**); Economic Growth and Mortality: Do Social Protection Policies Matter? (**Oral Presentation**). Annual Meeting of the Spanish Society of Epidemiology, Seville, Spain
- 2017 Neighborhood Social and Economic Change and Diabetes Incidence in Madrid, Spain (**Oral Presentation**). Annual Meeting of the Society for Epidemiologic Research (SER), Seattle, WA
- 2018 Mortality Profiles in 366 Cities in 10 Latin American Countries (**Oral Presentation**). 3rd Drexel International Research Showcase. Drexel University, Philadelphia, PA.
- 2019 Mortality and Inequality in Urban Areas of the Americas (**Oral Presentation**). Spotlight On...Global Engagement! Series. Drexel University, Philadelphia, PA
- 2019 Levels and determinants of urban mortality in Latin American cities: data from the SALURBAL project (**Oral Presentation**). Pre-Symposium on Levels and determinants of urban mortality: a focus on cities of Latin America, Drexel University, Philadelphia, PA
- 2019 Health Inequalities by Income in Cardiovascular Risk Factors and Life Expectancy in US Metropolitan Areas (**Oral Presentation**). Interdisciplinary Association for Population Health Science Annual Meeting, Seattle, WA
- 2019 Heterogeneity in Disparities by Income in the Prevalence of Cardiovascular Risk Factors in US Cities (**Oral Presentation**). American Public Health Association Annual Meeting, Philadelphia, PA

Presentations at Scientific Meetings (Posters, presented on site as first author)

- 2013 Gender Equality and female-to-male Smoking Ratio: Trends in Spain in the Last 50 Years (**Poster**). American Heart Association Epidemiology and Prevention 2013 Scientific Sessions, New Orleans, LA
- 2013 Validation of a Method to Reconstruct Historical Smoking Prevalence Rates (**Recorded Presentation**). 3rd Annual SERdigital Student Novel Methods Web Conference (Online).
- 2014 Food Stores, Food Markets and Healthy Food Availability in Comparable Urban Neighborhoods in Madrid and Baltimore (**Poster**), Measuring the Food, Tobacco, Alcohol and Physical Activity Urban Environments in Relation to Cardiovascular Health: The Heart Healthy Hoods Pilot Study in Madrid, Spain (**Poster**), Economic Crisis in Western Europe and Ischemic Heart Disease Mortality (**Poster**). American Heart Association Epidemiology and Prevention 2014 Scientific Sessions, San Francisco, CA
- 2014 Economic Crises and Ischemic Heart Disease Mortality in Europe: Effect Heterogeneity? (**Poster**), Selecting Comparable Neighborhoods across Cities: The Median Neighborhood Index (**Poster**). Society for Epidemiologic Research Annual Meeting, Seattle, WA

- 2015 Macroeconomic Growth is Associated with Increases in Cardiovascular Mortality in Countries with Lower Social Protection Spending (**Moderated Poster**). American Heart Association Epidemiology and Prevention 2015 Scientific Sessions, Baltimore, MD
- 2015 Fixed versus Random effects models for longitudinal data analysis of confounding in ecological time series: a simulation study (**Poster**). Society for Epidemiologic Research Annual Meeting, Denver, CO
- 2015 An in-depth characterization of a neighborhood's social and physical environment in relation to cardiovascular health (**Poster**); 2015 Urban Health Symposium: Reimagining Health in Cities, Drexel University, Philadelphia, PA
- 2017 Measuring Neighborhood Social and Economic Change for Health Studies (**Poster**); 2017 Urban Health Symposium: Reimagining Health in Cities, Drexel University, Philadelphia, PA
- 2018 Mortality Profiles Across Latin American Cities in 10 countries: the SALURBAL project (**Poster**); Association of Obesity and Mortality in Individuals with Cardiovascular Disease and Well-Controlled Risk Factors (**Poster**); Society for Epidemiologic Research Annual Meeting, Baltimore, MD
- 2018 Life Expectancy in Latin American Cities: the SALURBAL project (**Poster**); Annual Meeting of the Spanish Society of Epidemiology, Lisbon, Portugal
- 2018 Mortality Profiles of 366 Latin American Cities: the SALURBAL project (**Poster**); Third Annual Population Health Science Research Workshop, Boston, MA
- 2019 Scaling of Mortality in Cities of the Americas (**Poster**); NIH High-Risk High Reward Conference, Bethesda, MD
- 2019 Heterogeneity and Determinants of Life Expectancy in 363 Cities of Latin America (**Poster**); Interdisciplinary Association of Population Health Sciences Annual Meeting, Seattle, WA