

**Casey Philip Durand, PhD MPH**

Assistant Professor  
University of Texas Health Science Center at Houston (UTHealth)  
School of Public Health  
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Casey.P.Durand@uth.tmc.edu

***Education***

- PhD University of Southern California, Keck School of Medicine, Los Angeles, CA  
August 2008-June 2012  
Degree in: Preventive Medicine  
Concentration: Health Behavior Research
- MPH UTHealth School of Public Health, Houston, TX  
August 2006-August 2008  
Degree in: Health Promotion and Behavioral Sciences
- BA University of Texas at Austin  
August 2002-August 2006  
Degree in: Government; minor in history

***Research Interests***

Built environment; social context and determinants; health disparities; physical activity, nutrition; obesity; neighborhood measurement; measurement development and validation; statistical methodology and programming.

***Honors and Awards***

UTHealth School of Public Health Excellence in Teaching Award Nominee, 2020.

Health Disparities Research Loan Repayment Program Awardee, National Institute on Minority Health and Health Disparities, National Institutes of Health, 2013-2015.

Post-Doctoral Fellowship, UTHealth School of Public Health, Cancer Education & Career Development Program, National Cancer Institute/NIH R25 CA057712, July 2012-September 2014.

Pre-Doctoral Traineeship, University of Southern California, Ruth L. Kirschstein National Research Service Award, National Cancer Institute/NIH T32 CA009492-25, August 2009-June 2012.

Helmuth and Mary Fuchs and James R. Waterston Scholarship Recipient, UTHealth School of Public Health, August 2007-August 2008.

***Professional Experience***

***Current***

Assistant Professor (tenure-track), Department of Health Promotion and Behavioral Sciences, UTHealth School of Public Health, January 2017-Present.

Kinder Fellow, Kinder Institute for Urban Research, Rice University, December 2015-Present.

*Previous*

Assistant Professor (non-tenure-track), Department of Health Promotion and Behavioral Sciences, UTHealth School of Public Health, September 2014-December 2016

Post-Doctoral Fellow, UTHealth School of Public Health, Cancer Education & Career Development Program, National Cancer Institute/NIH R25 CA057712, July 2012-September 2014.

Research Assistant, University of Southern California, Institute for Health Promotion and Disease Prevention Research, August 2008-June 2012

- Project: *Effects Of A Smart Growth Community On Prevention Of Family Obesity Risk (Healthy Places)*. Funder: National Cancer Institute. 5R01CA123243-05. Pentz, MA (PI).

Teaching Assistant, University of Southern California, August 2008-May 2009

***Grants and contracts***

*Current*

1. Co-investigator. Fernandez-Esquer (PI), *VALES+Tú: Targeting Psychosocial Stressors to Reduce Latino Day Laborers Injury Disparities*. 1R01MD012928-01. National Institute of Minority Health and Health Disparities. September 2018-March 2023.
2. Co-investigator. Hoelscher (PI), *Evaluating the Effects of Municipal Funding of Safe Routes to School Infrastructure on Child Physical Activity: A Natural Experiment*. 1R01HD097669-01. National Institute of Child Health and Human Development. July 2018-June 2023
3. Co-investigator. Gabriel (PI), *Young Adult and Midlife Transitions in Physical Activity and Sedentary Behavior with Heart Failure Risk and Progression: Coronary Artery Risk Development in Young Adults (CARDIA)*. National Institutes of Health. R01. 7/20-6/25
4. Co-investigator (Subcontract PI). Gabriel (PI), *24-hour Activity Cycles to Optimize Cognitive Resilience to Alzheimer's Disease in African Americans: The Jackson Heart Study*. National Institutes of Health. R01. 9/20-8/25
5. Co-investigator. Fernandez-Esquer (PI), *VALE+Tu Salud: Corner-based Randomized Trial to Test a Latino Day Laborer Program Adapted to Prevent Covid-19*. National Institutes of Health. R01. 9/21-8/26
6. Co-investigator (Subcontract PI). Kakadiaris I (PI). *Artificial-Intelligence-based Decision Support for Equitable and Resilient Food Distribution during Pandemics and Extreme Weather Events*. National Science Foundation. 10/21-9/22.

*Under review/in process*

1. Multi-PI. With Barlow SE and Hoelscher DM, *Implementation and Effectiveness of a Pediatric Weight Management Program Adapted for Delivery at Healthcare Clinics and Schools*. National Institutes of Health. Revised application under review
2. Principal Investigator. *Effect of Housing Voucher Receipt on Physical and Mental Health Outcomes*. National Institutes of Health. Under review.
2. Principal investigator. *The Impact of Special District Governments on Health-Promoting Infrastructure and Obesity-Related Risk Factors: A Secondary Data Analysis*. National Institutes of Health. R21. Revision in process.

*Past*

1. Co-investigator. Hoelscher, DM (PI), *Systems Approach to Obesity Prevention in Underserved Children in Texas*. 5U18DP003367-02. Centers for Disease Control and Prevention. September 2011-August 2016.
2. Co-investigator. *Opportunity Youth in Houston: Characteristics, Career Pathways & Recommendations*. JPMorgan Chase Foundation (subcontract with Kinder Institute for Urban Research, Rice University). January-December 2016.
3. Co-investigator. Sharma, SV (PI), *A Collective Impact Model to Create a Sustainable Food System in North Pasadena*. BUILD Health Challenge Partnership. June 2015-June 2017.
4. Consultant. *Collaboration Plan Development and Implementation Support*. National Cancer Institute. August 2016-September 2017.
5. Co-investigator and primary grant author. Kohl, HW (PI), *Effects of Light Rail Transit on Physical Activity: A Natural Experiment*. 1R01DK101593-01. National Institute of Diabetes, and Digestive and Kidney Diseases. September 2013-June 2019. Direct Cost: \$0.5M (Annual); \$2.5M (Overall). 1<sup>st</sup> percentile.
6. Sub-recipient principal investigator. *Psychometric evaluation of school and community needs assessment instruments*. Rice University (Quianta Moore, PI). March-August 2019.

*Not funded*

1. Principal investigator. *Effects of New Light Rail Lines and Associated Infrastructure Improvements on Change in Active Travel to School*. March 2014. Johns Hopkins Global Center on Childhood Obesity Rapid Response Pilot Core (Invitation-only submission). 2014.
2. Co-investigator. *Policy Implications of Economic Worth, Social Attitudes, and Potential for Addiction to Calorie-Dense Fast Foods*. Texas Medical Center Health Policy Institute. 2015.
3. Co-investigator. Hoelscher, DM (PI), *TX CORD 2.0: Integrating Community-Level Child Weight Management into Primary Care Clinic Settings*. Centers for Disease Control and Prevention. 2015.
4. Co-investigator. Sharma, SV (PI), *Psychometric evaluation of an instrument to assess cooking skills as a multidimensional construct*. National Institutes of Health. R01. 2015
5. Principal investigator. *Longitudinal Effects on Obesity-related Behaviors of a New Policy to Standardize School Start and Stop Times Across K-12 Schools in a Large Urban School District*. National Institutes of Health. R01. 37<sup>th</sup> Percentile. April 2018.
6. Principal investigator. *Effect of school-based dual-use park implementation on physical activity in adults and children*. National Institutes of Health. R01. 2018
7. Co-investigator. Hoelscher (PI), *Texas CORD: Dissemination & Implementation of MEND-CATCH in Schools & Clinics*. CDC.
8. Co-investigator. Sharma (PI), *A Hybrid Effectiveness-Implementation Trial of Brighter Bites: Promoting Youth Dietary Habits*. National Institutes of Health.
9. Co-investigator. Knell (PI), *Behavioral Factors Affecting Sport-Related Concussion Recovery Time for Adolescents*. National Institutes of Health.
10. Co-investigator. Wilkerson (PI), *Expanding the Use of Telehealth to Reduce Substance Use-Related Morbidity and Mortality*. National Institutes of Health.
11. Co-investigator. Dang (PI), *Development and validation of a brief screening tool to identify new patients at risk of poor retention in HIV care*. National Institutes of Health.

12. Co-investigator. Roberts (PI), Purple Line Light Rail Impact on Neighborhood, Health and Transit: A Natural Experiment in a Predominately African American and Hispanic Community. National Institutes of Health. R01.

## ***Publications***

### ***Peer-reviewed publications***

1. **Durand CP**, Dunton GF. Understanding the causes and consequences of overweight and obesity: An ecological overview. *Journal of the Spinal Research Foundation*. 2010 Fall; 4(2): 28-36.
2. **Durand CP**, Andalib M, Dunton GF, Wolch J, Pentz MA. A systematic review of built environment factors related to physical activity and obesity risk: Implications for smart growth urban planning. *Obesity Reviews*. 2011 May; 12(5): E173-E182. NIHMSID: NIHMS245519.
3. **Durand CP**, Dunton GF, Metz D, Pentz MA. Does community type moderate the relationship between parent perceptions of the neighborhood and physical activity in children? *American Journal of Health Promotion*. 2012 July/August; 26(6): 371-380.
4. **Durand CP**. Does raising type 1 error rate improve power to detect interactions in linear regression models? A simulation study. *PLoS ONE*. 2013; 8(8): e71079.
5. **Durand CP**, Oluyomi A, Sener I, Knell G, Pettee Gabriel K, Kohl III HW. Transport-related physical activity: definitions, status and research directions. *Russian Journal of Preventive Medicine*. 2014 February; 17(N1): 55-60.
6. Liao Y, Liao J, **Durand CP**, Dunton GF. Which type of sedentary behavior intervention is more effective at reducing body mass index in children? A meta-analytic review. *Obesity Reviews*. 2014 March; 15(3): 159-168.
7. Oluyomi AO, Byars A, Byrd-Williams C, Sharma S, **Durand CP**, Hoelscher DM, Butte N, Kelder S. The utility of Geographical Information Systems (GIS) in systems-oriented obesity intervention projects: the selection of comparable study sites for a quasi-experimental intervention design – TX CORD. *Childhood Obesity*. 2015 February; 11(1): 58-70.
8. Hoelscher DM, Butte NF, Vandewater EA, Sharma SV, Huang T, Finkelstein E, Pont S, Sacher P, Byrd-Williams C, Oluyomi A, **Durand C**, Linlin L, Kelder SH. Incorporating primary and secondary prevention approaches to address childhood obesity prevention and treatment in a low-income, ethnically diverse population: Study design and demographic data from the Texas Child Obesity Research Demonstration (TX CORD) Study. *Childhood Obesity*. 2015 February; 11(1): 71-91.
9. Schembre SM, **Durand CP**, Blissmer BJ, Greene GW. Development and validation of the cognitive behavioral physical activity questionnaire. *American Journal of Health Promotion*. 2015 September-October; 30(1); 58-65.
10. **Durand CP**, Tang X, Pettee Gabriel K, Sener I, Oluyomi AO, Knell G, Porter A, Hoelscher DM, Kohl III HW. The association of trip distance with walking to reach public transit: data from the California Household Travel Survey. *Journal of Transport & Health*. 2016 June; 3(2): 154-160.
11. **Durand CP**, Oluyomi AO, Pettee Gabriel K, Salvo D, Sener I, Hoelscher DM, Knell G, Tang X, Porter A, Robertson MC, Kohl III HW. The Effect of Light Rail Transit on Physical Activity: Design and Methods of the Travel Related Activity in Neighborhoods (TRAIN) Study. *Frontiers in Public Health*. 2016 June; 4(103).
12. **Durand CP**, Gabriel KP, Hoelscher DM, Kohl III HW. Transit Use by Children and Adolescents: An Overlooked Source of and Opportunity for Physical Activity? *Journal of Physical Activity and Health*. 2016 August; 13(8).

13. Raber M, Chandra J, Upadhyaya M, Schick V, Strong L, **Durand CP**, Sharma S. An Evidence- Based Conceptual Framework of Healthy Cooking. *Preventive Medicine Reports*. 2016 December; 4: 23-28.
14. **Durand CP**, Zhang K, Salvo D. Weather is not significantly correlated with destination-specific transport-related physical activity among adults: A large-scale temporally matched analysis. *Preventive Medicine*. 2017. August; 101: 133-136.
15. Butte NF, Hoelscher DM, Barlow SE, Pont S, **Durand C**, Vandewater EA, Liu Y, Adolph AL, Pérez A, Wilson TA, Gonzalez A, Puyau MR, Sharma SV, Byrd-Williams C, Oluyomi A, Kelder SH, Huang T, Finkelstein EA, Sacher P. Efficacy of a Community- vs. Primary Care-Centered Program for Childhood Obesity: TX CORD RCT. *Obesity*. 2017 September; 25(9): 1584-1593.
16. Roberts JD, Hu M, Saksvig BI, Brachman ML, **Durand CP**. Examining the Influence of a New Light Rail Line on the Health of a Demographically Diverse and Understudied Population within the Washington, D.C. Metropolitan Area: A Protocol for a Natural Experiment Study. *Int. J. Environ. Res. Public Health*. 2018 Feb; 15: 333.
17. Knell G, **Durand CP**, Shuval K, Salvo D, Kohl III HW, Sener IN, Gabriel KP. Transit Use and Physical Activity: Findings from the Houston Travel Related Activity in Neighborhoods (TRAIN) Study. *Preventive Medicine Reports*. 2018 March; 9: 55-61.
18. Knell G, **Durand CP**, Shuval K, Kohl III HW, Salvo D, Olyuomi AO, Gabriel KP. If you build it, will they come? A quasi-experimental evaluation of sidewalk improvements and changes in physical activity. *Translational Journal of the American College of Sports Medicine*. 2018 May; 3(9): 66-71.
19. Robertson M C, Song J, Taylor W C, **Durand C P**, Basen-Engquist K M. Urban-Rural Differences in Aerobic Physical Activity, Muscle Strengthening Exercise, and Screen-time Sedentary Behavior. *J Rural Health*. 2018 Sept; 34(4): 401-410.
20. Zhang X, Zhao H, Chow W-H, **Durand CP**, Markham CM, Zhang K. Associations Between the Built Environment and Body Mass Index in the Mexican American Mano A Mano Cohort. *Science of the Total Environment*. 2019 March; 654 :456-462.
21. Knell G, **Durand CP**, Kohl III HW, Wu I, Gabriel KP. Prevalence and odds of meeting sleep, physical activity, and screen time guidelines among US youth. *JAMA Pediatrics*. 2019 April; 173(4): 387-389
22. Knell G, Gabriel KP, Salvo DS, **Durand CP**, Shuval K, Kohl III HW, Brown HS. Cost effectiveness of improvements to the built environment intended to increase physical activity. *Journal of Physical Activity and Health*. 2019 April; 16(308-317).
23. Knell G, Salvo D, Shuval K, **Durand CP**, Kohl III HW, Gabriel KP. A methodological approach to retaining accelerometers and associated data in community-based settings: The TRAIN Study. *Journal for the Measurement of Physical Behavior*. 2019 August; 2(3) 197-202.
24. Oluyomi AO, Knell G, **Durand CP**, Mercader C, Salvo D, Sener IN, Pettee Gabriel K, Hoelscher DM, Kohl HW. Foot-based audit of streets adjacent to new light rail stations in Houston, Texas: Measurement of health-related characteristics of the built environment for physical activity research. *BMC Public Health*; 19:238
25. Aiyer JN, Raber M, Bello RS, Brewster A, Caballero E, Chennisi C, **Durand C**, Galindez M, Oestman K, Saifuddin M, Tektiridis J, Young R, Sharma SV. A pilot food prescription program promotes produce intake and decreases food insecurity. *Translational Behavioral Medicine*. 2019 October; 9(5); 922-930.
26. Taylor WC, **Durand CP**, Knell G. Disparity Indices and Overweight: Frame of Reference. *Health Equity*. 2019; 3(1); 612-618.
27. Sener IN, Lee K, **Durand CP**, Oluyomi AO, and Kohl III, H.W. Intention to Use Light-Rail Transit in Houston, Texas, United States: Findings from the Travel-Related Activity in Neighborhoods Study. *International Journal of Sustainable Transportation*. 2020 14(12); 944-955.

28. Zhang X, Zhao H, Chow W-H, **Durand CP**, Markham CM, Zhang K. Population-Based Study of Traffic-Related Air Pollution and Obesity in the Mexican Americans. *Obesity*. 2020 February; 28(2); 412-420.
29. Heredia NI, Fernandez ME, van den Berg AE, **Durand CP**, Kohl III HW, Reininger BM, Hwang KO, McNeill LH. Coaction Between Physical Activity and Fruit and Vegetable Intake in Racially Diverse, Obese Adults. *Am J Health Promot*. 2020 March 34(3); 238-246.
30. Robertson MC, Green CE, Liao Y, **Durand CP**, Basen-Engquist KM. Self-efficacy and Physical Activity in Overweight and Obese Adults Participating in a Worksite Weight Loss Intervention: Multistate Modeling of Wearable Device Data. *Cancer Epidemiol Biomarkers Prev*. 2020 April; 29(4) 769-777.
31. Barlow SE, **Durand C**, Salahuddin M, Pont SJ, Butte NF, Hoelscher DM. Who benefits from the intervention? Correlates of successful BMI reduction in the Texas Childhood Obesity Demonstration Project (TX-CORD). *Pediatr Obes*. 2020 May; 15(5); e12609
32. Heredia NI, Fernandez ME, **Durand CP**, Kohl III HW, Ranjit N, van den Berg AE. Factors Associated with Use of Recreational Facilities and Physical Activity Among Low-Income, Latino Adults. *Journal of Immigrant and Minority Health*. 2020 June. 22(3); 555-562.
33. Barlow SE, Salahuddin M, **Durand C**, Pont SJ, Hoelscher DM, Butte NF. Evaluation of BMI Metrics to Assess Change in Adiposity in Children with Overweight and Moderate and Severe Obesity. *Obesity*. 2020 August. 28(8); 1512-1518.
34. Lanza K, Oluyomi A, **Durand C**, Gabriel KP, Knell G, Hoelscher DM, Ranjit N, Salovo D, Walker TJ, Kohl III HW. Transit environments for physical activity: Relationship between micro-scale built environment features surrounding light rail stations and ridership in Houston, Texas. *Journal of Transport & Health*. 2020 December. 19.
35. Dooley E, Gabriel KP, Kohl III HW, **Durand CP**, Hoelscher DM, Byrd-Williams CE. Adiposity, cardiovascular, and health-related quality of life indicators and the reallocation of waking movement behaviors in preschool children with overweight and obesity: An isotemporal data analysis. *PLOS ONE*. PLOS ONE 15(11): e0242088.
36. Fernandez-Esquer ME, Ibekwe L, Guerrero R, King YA, Atkinson JS, **Durand CP**. Structural Racism and Immigrant Health: Exploring the Association Between Wage Theft, Mental Health, and Injury among Latino Day Laborers. *Ethnicity & Disease*. 2021. 31(Suppl 1); 345-356
37. Haidar A, Sharma S, **Durand C**, Barlow S, Salahudding M, Butte N, Hoelscher D. Cross-sectional Relationship between Regular Bedtime, Weight Status, and Obesity Related Behaviors among Preschool and Elementary School Children: TX CORD Study. *Childhood Obesity*. 2021 Jan. 17(1); 26-35
38. Robertson MC, Cox-Martin E, Liao Y, Flores SA, Shegog R, Markham CM, Fujimoto K, Durand CP, Brewster A, Lyons EJ, Basen-Engquist KM. Acceptance- and mindfulness-based techniques for physical activity promotion in breast cancer survivors: a qualitative study. *Support Care Cancer*. 2021. Jul 27;1-9.

#### *Book Chapters*

1. Dunton GF, **Durand CP**, Riggs NR, Pentz MA. School-based obesity-prevention programs. In: Bagchi D, editor. *Global Perspectives on Childhood Obesity*. Waltham, MA: Academic Press; 2010. p. 319-331.

#### *Reports and other non-peer reviewed publications*

1. Fulton W, **Durand CP**. (2015, April 27). Bringing Healthy Living to Sunbelt Cities. *Urban Land*.

2. Kinder Institute for Urban Research. *Houston's Opportunity: Reconnecting Disengaged Youth and Young Adults to Strengthen Houston's Economy*. Houston, TX: Rice University; 2016

***Professional Presentations, Posters and Conference Proceedings***

1. **Durand CP**, Dunton GF, Wolch J, Pentz MA. Are parent perceptions of the neighborhood environment associated with children's physical activity? Poster session at: The 28th Annual Scientific Meeting of The Obesity Society; 2010 Oct 8-12; San Diego, CA.
2. Pentz MA, **Durand CP**, Alfonzo, M. Evaluating the impact of smart growth planning on physical activity: Effects of context. Symposium presented at: The 32nd Annual Meeting & Scientific Sessions of The Society of Behavioral Medicine; 2011 April 27-30; Washington, D.C.
3. Pentz MA, **Durand CP**, Huh J. Relationship of community policies to child obesity risk. Poster session at: The 29th Annual Scientific Meeting of The Obesity Society; 2011 Oct 1-5; Orlando, FL.
4. Liao Y, Dunton GF, Chou, CP, Ansari A, **Durand CP**, Spruijt-Metz D, Pentz, MA. Combinations of perceived built environmental factors differentiating physically active vs. non-active adults - a decision tree classification approach. Oral presentation at: The Active Living Research Conference; 2012 March 12-14; San Diego, CA.
5. Pentz MA, **Durand CP**, Jerrett M, Wolch J. Coalitions and urban planners as partners in obesity prevention: Healthy places. Symposium presented at: The 33rd Annual Meeting & Scientific Sessions of The Society of Behavioral Medicine; 2012 April 11-14; New Orleans, LA.
6. Pentz MA, **Durand CP**, Spruijt-Metz D, Dunton GF, Chou C-P. Any way you slice it: Interaction effects of residence in a smart growth community, time in residence, physical activity and obesity risk in adults. Oral presentation at: The American Public Health Association 140<sup>th</sup> Annual Meeting & Expo; 2012 Oct 27-31; San Francisco, CA.
7. Oluyomi AO, **Durand CP**, Hashemi MB, Vandewater E, Kelder SH, Butte N, Hoelscher DM. Relationship between school food environment and children's dietary behaviors: Building on the Texas CORD Project. Poster session to be presented at: International Society of Behavioral Nutrition and Physical Activity Annual Meeting; 2014 May 21-24; San Diego, CA.
8. Oluyomi AO, Byars AH, **Durand CP**, Byrd-Williams CE, Sharma SV, Hoelscher DM, Butte N, Kelder SH. A Geographical Information Science (GIS) approach to conducting area-level comparative analysis of study areas in a community-wide obesity prevention intervention study- The case of Texas CORD. Poster session presented at: International Society of Behavioral Nutrition and Physical Activity Annual Meeting; 2014 May 21-24; San Diego, CA.
9. **Durand CP**, Oluyomi AO, Gabriel KP, Sener I, Hoelscher DM, Knell G, Tang X, Kohl III, BK. The Effect of Light Rail Transit on Physical Activity: Design and Methods of the Travel Related Activity in Neighborhoods (TRAIN) Study. Presented at: Moving Active Transportation to Higher Ground: Opportunities for Accelerating the Assessment of Health Impacts; 2015 April 13-14; Washington, D.C.
10. Knell G, Gabriel KP, **Durand C**, Oluyomi A, Armstrong M, Kohl HW III. Obtaining accelerometer data through mail administration: The Houston Transport Related Activity in Neighborhoods (TRAIN) Study. Presented at: American College of Sports Medicine 62nd Annual Meeting. 2015 May 26-30; San Diego, CA.
11. Gabriel KP, Knell G, **Durand C**, Oluyomi A, Kohl HW III. Differences in accelerometer-determined sedentary time and physical activity by transportation-related characteristics. Presented at: American College of Sports Medicine 62nd Annual Meeting. 2015 May 26-30; San Diego, CA.
12. Tang X, Oluyomi A, **Durand CP**, Knell G, Gabriel KP, Sener I, Kohl HW. Land Use and Walkability around a Newly Built Light Rail Transit Line: The Houston TRAIN Study. Presented at: American College of Sports Medicine 62nd Annual Meeting. 2015 May 26-30; San Diego, CA.

13. Kohl HW, **Durand C**, Pettee Gabriel K, Knell G, Sener IN, Tang X, Hoelscher DM. Health in All Policies: Multi-sectoral policy approaches for encouraging physical activity session. Natural Experiments and Physical Activity at the Local Level: Houston TRAIN study. Round-table presentation. American Public Health Association Annual Meeting Physical Activity section. Chicago, IL, USA. November 1-4, 2015.
14. Salvo D, **Durand CP**, Oluyomi A, Hoelscher DM, Gabriel KP, Sener IN, Kohl HW. Geospatial characterization of green space availability and its association with neighborhood income and racial/ethnic composition in the Houston TRAIN Study target area. Presented at: Active Living Research Conference. 2016, January 31-February 3; Clearwater Beach, FL.
15. Tang, X, **Durand, C**, Salvo, Deborah., Pettee, Gabriel K, Robertson, CM, Knell, G, Porter, A, Sener, I, Hoelscher, D, Kohl III, HW. Application of Theory of Planned Behavior to public transit use in the Houston Transit-Related Activity in Neighborhoods study. Presented at the 63<sup>rd</sup> Annual Meeting of the American College of Sports Medicine. 2016 May 31-June 4; Boston, MA.
16. Knell G, Salvo D, Gabriel KP, **Durand C**, Oluyomi A, Robertson M, Hoelscher DM, Kohl HW III. Describing the methodology to estimate accelerometer return percentage from a study utilizing mail-based data collection. Oral thematic poster presentation at the 63<sup>rd</sup> Annual Meeting of the American College of Sports Medicine. Boston, MA, USA. June 1, 2016.
17. Salvo D, Gabriel KP, **Durand CP**, Oluyomi A, Hoelscher DM, Sener IN, Kohl III HW. Associations of Individual and Neighborhood Level Characteristics with Leisure-Time Physical Activity: The Houston TRAIN Study. Presented at the 63<sup>rd</sup> Annual Meeting of the American College of Sports Medicine. Boston, MA, USA. June 3, 2016.
18. Salvo D, **Durand CP**, Gabriel KP, Oluyomi A, Hoelscher DM, Porter AK, Kohl III HW. Individual and environmental correlates of domain-specific walking and bicycling among adults in a US city: The Houston TRAIN Study. Presented at the 6<sup>th</sup> Annual International Congress on Physical Activity and Public Health. Bangkok, Thailand. November 16<sup>th</sup>-19<sup>th</sup>, 2016.
19. Knell G, Gabriel KP, **Durand C**, Salvo D, Kohl HW III. Relationship between physical activity and public transit use. Presented at the 6<sup>th</sup> Annual International Congress on Physical Activity and Public Health. Bangkok, Thailand. November 16<sup>th</sup>-19<sup>th</sup>, 2016.
20. Salvo D, **Durand CP**, Evans AE, Perez A, Kohl HW III. Effect of Neighborhood-unit Definition on the Relationship between Physical Activity and the Built Environment. Presented at the 64<sup>th</sup> Annual Meeting of the American College of Sports Medicine. Denver, CO, USA. June 3, 2017.
21. Knell G, **Durand C**, Shuval K, Kohl HW, Salvo D, Olyuomi A, Gabriel KP. If you build it, will they come? A natural experiment of sidewalk improvements and physical activity. Presented at the Pathways 2 Prevention Workshop, Methods of Evaluating Natural Experiments in Obesity. National Institutes of Health. Bethesda, MD, USA. December 5<sup>th</sup>, 2017.
22. Knell G, **Durand C**, Shuval S, Kohl HW, Sener IN, Gabriel KP. Transit use and physical activity: Findings from the Houston Travel-Related Activity in Neighborhoods (TRAIN) Study. Oral presentation. Active Living Research Conference 2018. Banff, Alberta, Canada. February 11-14, 2018.
23. Dooley EE, Salvo D, Pettee Gabriel K, Johnson A, **Durand CP**, Knell G, Kreis S, Sener IN, Kohl HW III. Factors Related to Accelerometer-determined Patterns of Physical Activity in Adults: The Houston TRAIN Study. International Journal of Exercise Science: Conference Proceedings: Vol. 2 (10), Article 17.
24. Johnson A, Pettee Gabriel K, Salvo D, Dooley E, **Durand CP**, Knell G, Kreis S, Kohl, HW III. Accelerometer-Determined Physical Activity and Sedentary Behavior among Majority-Minority Sample of Adults: The Houston TRAIN Study. International Journal of Exercise Science: Conference Proceedings: Vol. 2 (10), Article 12.



25. Barlow SE, **Durand CP**, Salahuddin M, Pont SJ, Butte NF, Hoelscher DM. For Whom Does the Intervention Work? Correlates of Successful BMI Reduction in TX CORD Project. Presented at ObesityWeek 2018. Nashville, TN. November 11-15, 2018.
26. Robertson MC, Cox-Martin E, Shegog R, Markham CM, Fujimoto K, **Durand CP**, Liao Y, Flores SA, Lyons EJ, Basen-Engquist KM. The use of acceptance- and mindfulness-based techniques for physical activity promotion in breast cancer survivors: a qualitative study. International Society of Behavioral Nutrition and Physical Activity XChange Initiative 2021. Online. June 8-10, 2021.

### ***Teaching***

*Classes taught (all UTHealth School of Public Health):*

PH1130: Applied Measurement Theory (100% Summer, 2017-19) (2020 80% with T. Walker)  
PH1110: Social and Behavioral Aspects of Community Health (100% Spring 2015-17)  
PH5401: Physical Activity and Public Health Practice (50% with HW Kohl III, Fall 2016, 2018, 2020)  
PH1435: Doctoral Student Seminar (50% with PD Mullen, Spring 2017-2020)  
PH1421: Quantitative Analysis for the Behavioral Sciences (formerly Research Design and Analysis II) (100%, Spring 2018-21)  
PH1121: Advanced Quantitative Analysis for the Behavioral Sciences (100%, Fall 2019-21)

*Guest lectures (all UTHealth School of Public Health):*

Program Evaluation (Fall 2018)  
Social and Behavioral Aspects of Physical Activity (Spring 2015, 2016, 2017, 2018)  
Research Seminar in Health Promotion and Behavioral Sciences (Fall 2014, 2015, 2016, 2017, 2018; Spring 2017, 2018, 2019)  
Epidemiology Doctoral Seminar (Spring 2013, 2014)  
Integrated Public Health Nutrition (Spring 2014)

### ***Service***

*Peer reviewer for:*

Journal of Physical Activity and Health, 2011-2012, 2014-2016, 2018  
BMC Public Health, 2011-2012, 2018  
Preventive Medicine, 2011, 2019  
Maturitas, 2011  
Current Opinion in Environmental Sustainability, 2012  
Social Science and Medicine, 2013, 2019  
BMJ Open, 2013, 2016  
Environment and Planning A, 2013  
Environmental Health Perspectives, 2013  
Applied Psychology: Health and Well-Being, 2014  
Journal of Transport and Health, 2015, 2017  
Journal of Modern Applied Statistical Methods, 2016  
Frontiers in Public Health, 2016  
American Journal of Preventive Medicine, 2016, 2020  
Journal of Applied Statistics, 2016  
Population Health Metrics, 2016  
Cancer Epidemiology Biomarkers and Prevention, 2017  
International Journal of Behavioral Nutrition and Physical Activity, 2019, 2020

Health & Place, 2019

Pediatrics, 2019

Transportation Research Part D, 2021

*External service:*

Vanguard NextCity Host Committee (with Kinder Institute for Urban Research), 2016

Co-Chair, National Institutes of Health Obesity Policy Research Network, 2016-present

National Institutes of Health, Center for Scientific Review, Early Career Reviewer Program, 2016-present

National Institutes of Health, Division of Loan Repayment, Loan Repayment Program Ambassador, 2017-present

Technical Advisory Committee-Health on Main Street USA, 2018-2020

*Internal service (UTHealth School of Public Health):*

Student Research Day Judge, 2015

Health Promotion and Behavioral Sciences Student Poster Competition Judge, 2016, 2017

Doctoral Preliminary Exam Grader, Health Promotion and Behavioral Sciences, 2016-2021

Interdepartmental Concentration Conference/Meeting Travel Scholarship Reviewer, 2018

Health Promotion/Behavioral Science Departmental Curriculum Committee, 2017-present

UTSPH Faculty IT Council, 2020-Present

*Grant reviews:*

Health Research Council of New Zealand (*ad hoc* reviewer), 2017, 2018

PARTNERS, Center for Nursing Research, University of Texas Health Science Center Houston School of Nursing (*ad hoc* reviewer), 2017