

CURRICULUM VITAE

JEMIMA C. JOHN, Ph.D., MPH

OFFICE:

University of Texas Health Science Center at Houston
Department of Epidemiology
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EDUCATION:

- 2017 Ph.D. Epidemiology (minors: Biostatistics; Health Promotion and Behavioral Sciences)
Summa cum laude
The University of Texas School of Public Health, Houston, TX
Dissertation: *Evaluating physical activity associations with body mass index, and related psychosocial factors among hospital workers: a cross-sectional study*
- 2011 MPH. Epidemiology, ***Summa cum laude***
School of Public Health
Texas A&M Health Science Center, College Station, TX
- 2009 B.Sc. Public Health: Health Promotion
Southern Connecticut State University, New Haven, CT

PROFESSIONAL EXPERIENCE:

- 2023- **Epidemiologist and Assistant Professor**, Center of Health Equity, Department of Epidemiology, The University of Texas School of Public Health, Houston, TX
- Principal investigator leading the design, implementation, and evaluation of interventions to understand the impact of social determinants of poor health (e.g., food insecurity) across the region, and the application of transdisciplinary solutions (e.g., medical-legal partnerships) to mitigate the impact of adverse social conditions in low income and communities of color
- 2020-23 **Stanley Scholar Postdoctoral Fellow**, Department of Family Medicine at the John P. and Kathrine G. McGovern Medical School, and Division of Epidemiology, Human Genetics and Environmental Sciences, The University of Texas School of Public Health, Houston, TX
- Designed, conducted, and implemented transdisciplinary qualitative and quantitative studies to examine systems-level influences on adverse social determinants of health needs, with a specific interest on disparities in physical activity, food insecurity, and related social needs in vulnerable, under-resourced Greater Houston populations
- 2017-20 **Postdoctoral Fellow**, University of Texas MD Anderson Cancer Center, Houston, TX

- Designed, conducted, and evaluated qualitative and quantitative associations between psychosocial and social contextual factors and physical activity behaviors in Hispanic/Latino and Black American populations

2013-17 **Graduate Research Assistant**, We Can Do More Project (WCDM), Center for Health Promotion, The University of Texas School of Public Health, Houston, TX

- Designed and facilitated community outreach sessions to engage churches, schools, and special interest groups to address social and health disparities in Black American populations
- Played a supervisory role in the development, implementation, and evaluation of community-engaged strategies to convey health information to low-income, racial-ethnic diverse youth via community-based and digital settings (online teen magazine, “JustBe”)

2011-13 **Graduate Teaching Assistant**, Division of Epidemiology, The University of Texas School of Public Health, Houston, TX

- Graded and critiqued assignments and exams and resolved students’ inquiries related to course content (introduction to epidemiology and field epidemiology)

2010-11 **Graduate Assistant**, *UP-BEAT Project*, Social and Behavioral Health Department, Texas A&M School of Public Health, College Station, TX

- Developed Qualtrics (version August 2010 (Provo, Utah) survey methodology to assess organizations’ capacity to facilitate physical activity and nutrition initiatives
- Conducted data management and analysis of environmental assessment survey data using Stata (version 11.2; StataCorp, College Station, TX) and generated reports to UP-BEAT organizational partners and Bryan, TX City Council

2010 **Graduate Teaching Assistant**, Mays Business School, Texas A&M University, College Station, TX

- Designed assignment modules and provided transitional support for adoption of the Calibrated Peer Review grading system
- Graded writing assessments and led classroom sessions on topics related to assignments and business writing protocol

2007-09 **Community Coordinator**, Residential Life Department, Southern Connecticut State University, New Haven, CT

- Created physical activity, nutrition, and injury prevention awareness programs for college-residential life students

- Mediated students' behavioral, social, and academic issues, and conducted routine inventory and injury prevention assessments of residences

2005-07 **Senior Counselor**, Leadership, Education and Athletics in Partnership, New Haven, CT

- Designed and conducted neighborhood safety, physical activity, and social-responsibility programs to foster community awareness and civic duty.

TRAINEESHIPS:

2011 **Intern Epidemiologist**, Houston Health Department, Houston, TX
To determine neighborhood food-desert status in Acres Home Texas via local store assessments. Preceptor: Dr. Deborah Banergee, Ph.D.

2009 **Intern Epidemiologist**, Ministry of Health, Commonwealth of Dominica
Data management research team member (data management, analysis, and report generating) in examining factors associated with gastrointestinal illnesses (GI) study. Preceptor: Dr. Paul Ricketts, MD

HONORS AND AWARDS:

2019 **Recipient**, American Psychological Association, Diverse Scholars Fellow

2019 **Recipient**, Geographical Management of Cancer Health Disparities Region 3 Travel Award

2019 **Nominee**, Outstanding Postdoctoral Trainee in Cancer Prevention, MD Anderson Cancer Center

2018 **Awardee**. Postdoctoral Science Symposium Applied Science Oral Competition- (3rd place)

2018 **Recipient**, MD Anderson Cancer Center Trainee Research Day Speech Competition (*Judge's Choice Award and People's Choice Award*)

2018 **Recipient**, Geographical Management of Cancer Health Disparities Region 3 Travel Award

2011 **Nominee**, Texas A&M School of Public Health Research Poster Symposium (2nd place)

RESEARCH:

RESEARCH INTERESTS:

- To design, conduct, and evaluate behavioral epidemiology research, with a systems-level approach to examining social determinants of health needs, chronic disease prevention, and risk management strategies in underserved and ethnically diverse populations.
- Design, measurement, and data analytics in advanced hierarchical mixed-effects regression modeling and qualitative research with a focus on physical activity, food insecurity, and cooccurring social needs among underserved and ethnically diverse populations.

CURRENT FUNDED:

2024 The University of Texas Kenneth I. Shine, M.D., Academy of Health Science Education Grant.

Funded: \$5000

Major goal: To promote research and innovation in health science education via the implementation of a Seven-Week Student-Informed Summer Intensive Fellowship to cultivate health equity competencies in the next generation of public health scientists.

- 2024 Office of Instructional Design Teaching Innovation Award
Funded Amount: \$5000
Major goal: To support the implementation of innovative experiential learning opportunities in PH 2615 Epidemiology II- Field Research Methods in Epidemiology.
- 2023- National Institute on Minority Health and Health Disparities K01 (PA-20-176)
Funded Amount: \$388,728
Major goal: To utilize a systems-level perspective to examine the impact of a patient-informed (key informant interviews) MLP intervention on health-harming legal needs in pediatric families enrolled across UT Physicians multispecialty clinics.
- 2022- Financial Coaching Pilot Study
Major Goal: To compare the effect on weight and metabolic outcomes of an enhanced intervention, comprised of evidence-based financial coaching plus a multipronged lifestyle intervention vs. the lifestyle intervention alone, among 24 predominantly Latino and Black, English-speaking parent-child dyads in New York City, New York and Houston, Texas.
Role: Co-investigator
Funding: CSCD 9-ledger funding

PAST FUNDED

- 2020-23 Stanley Foundation Population Health Grant
Major goal: To examine associations between adverse social needs (primarily nutrition/food insecurity and co-occurring social needs) and poor healthcare outcomes (e.g., healthcare utilization), and to explore the role of transdisciplinary initiatives like the medical legal partnership in resolving these adverse social needs in low income and minority populations across the Greater Houston region.
Funding: UTH fund code 60655
Role: Fellowship awardee
- 2019-20 National Institute on Minority Health and Health Disparities Loan Repayment Program Award Recipient, 2019-2021
Major goal: To qualitatively and quantitatively evaluate factors that impact PA outcomes in adult Latino family dyads with a particular emphasis on interpersonal family influences and intra- and inter-dyadic similarities and differences.
- 2018-20 R56HL128705-01, 1R01HL128705-01: National Heart, Lung, and Blood Institute (NHLBI) Diversity Supplement
Major goal: The goal of this funding is to support the examination of psychosocial measures (social support, social control, and partner's stage of change), and the extent by which these factors influence PA behavior within adult Latino family dyad relationships.

Role: Fellowship awardee and investigator on sub-award

REVIEWER ROLES:

- Journal of Occupation and Environmental Medicine (JOEM)
- MD Anderson Trainee Research Day: Population Science Oral Competition, 2019
- 2019 Society of Behavioral Medicine Reviewer for Physical Activity Abstracts, 2019
- Review Committee for Leading Mentor in Cancer Prevention, 2018

MANUSCRIPTS:

PUBLISHED

1. Heredia NI, **John JC**, Sing S, Hwang JP, Strong LL, Balakrishnan M, McNeill L. Understanding primary care physician perspectives on the diagnosis and management of non-alcoholic fatty liver disease. *INQUIRY* (2024). <https://doi.org/10.1177/00469580241241272>.
2. **John JC**, Ho J, Raber, M. et al. Dyad and group-based interventions in physical activity, diet, and weight loss: a systematic review of the evidence. *J Behav Med* (2024). <https://doi.org/10.1007/s10865-023-00457-z>
3. **John JC**, Gonzalez J, Chan SG, McPherson H, Aiyer JN, Galvan E, Browning N and Sharma SV (2023) A coalition-driven examination of organization capacity to address food insecurity in Greater Houston: a qualitative research study. *Front. Public Health* 11:1167100. doi: 10.3389/fpubh.2023.1167100
4. McWhorter JW, Aiyer JN, Ranjit N, Toups J, Liew E, **John JC**, Sharma SV. Perspectives of health care staff on predictors of success in a food prescription program: A Qualitative Study. *Prev Chronic Dis* 2023;20:220178.
5. **John, JC**, Heredia NI, McNeill LH, Hoelscher D, Schembre S, Lee MJ, Reininger B & Strong LL Qualitative exploration of family influences on physical activity in Hispanic households. *JPhys Act Health*. 2022 Feb 1;19(2):89-98
6. **John JC**, Kaleemullah T, McPherson H, Mahata K, Morrow RB, Bujnowski D, Johnston A, Danho M, Siddiqui N, Haley SA, Sirajuddin AM, Schauer T, Wu MJ, Rechis R, Galvan E, Correa N, Browning N, Ganelin D, Walsh MT, Lofton S, Banerjee D, and Sharma SV. Building and advancing coalition capacity to promote health equity. *Health Equity*. 2021; 27;5(1):872-878.
7. Krukowski R, Jacobson L, **John JC**, Kinser P, Campbell K, Ledoux T, Gavin K, Chiu C, Wang J & Kruper A. Correlates of Early Prenatal Care Access among U.S Women: Data from the Pregnancy Risk Assessment Monitoring System (PRAMS) *Matern Child Health J*. 2022 Feb;26(2):328-341.
8. Dinkel D, Lu K, **John JC**, Jacobson LT. A Cross-Sectional examination of physical activity, sedentary time, and sleep between adults with and without children in the home using the National Health and Nutrition Examination Survey. *J Phys Act Health*. 2021 Mar 3;18(4):391-399.

9. Tortolero GA, Brown MR, Sharma SV, de Oliveira Otto MC, Yamal JM, Aguilar D, Gunther MD, Mofleh DI, Harris RD, **John JC**, de Vries PS, Ramphul R, Serbo DM, Kiger J, Banerjee D, Bonvino N, Merchant A, Clifford W, Mikhail J, Xu H, Murphy RE, Wei Q, Vahidy FS, Morrison AC, Boerwinkle E. Leveraging a health information exchange for analyses of COVID-19 outcomes. *PLoS One*. 2021 Jun 3;16(6).
10. **John JC**, Wang J, McNeill LH., Basen-Engquist K, Hoover DS, Daniel, CR, Strong, LL. A process evaluation of satisfaction and engagement measures from Project FITT: A mixed methods study. *JOIH*. 2020; DOI 10.1007/s10903-020-01095-2.
11. **John JC**, Hoelscher D, Swartz MD, Huber C, & Sharma SV. Self-efficacy and social support factors associated with physical activity among hospital employees. *JPAH*. 2020; 10.1123/jpah.2018-0561.
12. **John JC**, Swartz MD, Hoelscher D, Huber C, & Sharma SV. Measures of physical activity and body mass index in hospital workers: A multisite cross-sectional study. *JOEM*. 2019; 61 (5):176-182.
13. Wu HCI, Strong LL, Nguyen TN, Cho D, **John, JC**, & McNeill, LH. Stress, physical activity, and sedentary behaviors: The mediating role of depression. *Am J Health Behav*. 2019; 43(4):717-728.
14. Cho D, Nguyen TN, Strong LL, Wu HCI, **John JC**, Escoto KH, Wetter WD, McNeill LH. Multiple health behaviors engagement in an African American cohort: Clustering patterns and correlates. *Health Education & Behavior* 46(3):506-516. e-Pub 2019. PMID: 30776919.

UNDER REVIEW

1. Tennyson SB, McPherson HH, **John JC**, Guerrero R, Sharma SV, Banerjee D, Siddiqui N, Savannah S, Durand P, Gao A, Haley SA, Garcia E, Cofer J, Harris A. Framework, design, and baseline data of a collective impact initiative to strengthen the Community Health Worker workforce ecosystem in Texas. **(Revise and Resubmit, BMC Public Health)**.
2. Tennyson SB, Guerrero R, McPherson HH, **John JC**, Durand P, Banerjee D, Sharma SV. Strengthening community health workers' workforce advocacy using journey mapping. 2024 **(Revise and Resubmit, BMC Health Services Research)**.
3. **John JC**, Lee MJ, Park SK, McNeill LH., Strong, LL. Examination of associations of interpersonal factors (social control, family social support, and partners' stage of change) with self-reported and objectively measured physical activity in adult Latino family dyads. 2024 **(Revise and Resubmit, Health Education and Behavior)**.
4. **John JC**, Sharma, SV, Mathur M, Liaw W, Stotts, A, Northrup, T, Murphy, T. Cumulative burden of social determinants of health on healthcare utilization: *A cross-sectional study*. **(Under review, BMC Public Health)**.
5. **John JC**, Murphy T, Zientek E, Nguyen TA, Liaw W, Burnett C, Aitken M, Sharma SV. Efficacy of Medical Legal Partnerships to Address Health Harming Legal Needs: A systematic review of experimental studies in the field. 2023 **(Under review, Journal of Public Health)**.

6. Aiyer JN, McWhorter JW, **John JC**, Ranjit, N, McPherson H, Boyer P, Sharma SV. Stakeholder perspectives in coordinating a large-scale, partnership-based regional food prescription program. 2022 (**Revise and resubmit, Prev. Chronic Dis**).

UNDER DEVELOPMENT

7. Fok C, **John JC**. Evaluating reach, effectiveness, and implementation metrics of a medical-legal partnership to address adverse needs in at-risk TMC pediatric populations: design, lessons learned, and outcomes. 2024.
8. **John JC**. Fok C. Patient insights on the effectiveness and satisfaction of a medical-legal partnership program: findings from a mixed methods study. 2024.
9. **John JC**, Gonzalez J, Chan SG, McPherson HM, Aiyer JN, Galvan E, Browning N, Sharma SV. A coalition-driven examination of organization capacity to address food insecurity in Greater Houston: A mixed methods approach. 2024

CONFERENCE ABSTRACTS:

1. Tennyson SB, **John JC**, McPherson HH, Banerjee D, Sharma SV. (2024). A Comprehensive Landscape Scan of the Greater Houston Regional Community Health Worker Network: American Public Health Association. Digital PPT Presentation.
2. **John JC**, Guerrero R, Banerjee D, McPherson HH. (2024). Collective Impact Approach to Strengthening Regional Community Health Worker Workforce. Healthier Texas Summit. Panel Presentation.
3. **John JC**. (2023). Lee MJ, Park SK, McNeill LH., Strong, LL. Examination of associations of interpersonal factors (social control, family social support, and partners' stage of change) with self-reported and objectively measured physical activity in adult Latino family dyads. The Center for Energy Balance in Cancer Prevention and Survivorship 10th Anniversary Day of Science Symposium. Poster Presentation.
4. **John JC**. (2023). Advancing health equity through journey mapping community health workers' perspectives. Healthier Texas Summit annual meeting: Oral presentation.
5. **John JC**, Cumulative burden of social determinants of health on healthcare utilization: a cross-sectional study. (2023). Health Law Professors Conference: Oral presentation.
6. **John JC**, Gonzalez J. (2022). Building a framework for collaborative assessments: exploring organizational capacity to address social needs. Healthier Texas Summit annual meeting: Oral presentation.
7. **John JC**. (2022). System-level factors impacting organizational capacity to address food insecurity: A mixed-methods explorative study. Healthier Texas Summit annual meeting: Oral presentation.

8. Tseng K, LaRue D, **John JC**, Burnett C. (2022). Addressing health-harming legal needs to improve outcomes and reduce disparities in vulnerable population. Healthier Texas Summit annual meeting. Panel discussion.
9. **John JC**, Gonzalez J, McPherson H, Galvan E, Chan, SG, Browning N, Sharma SV. (2021). A coalition-driven examination of organization capacity to address food insecurity in Greater Houston: A mixed methods approach. International Society of Behavioral Nutrition and Physical Activity 21st annual meeting: Oral presentation.
10. Strong LL, Classen SA, Paredes SA, Dominguez E, **John JC**, Goetz M, McNeill LM, Hoelscher D, Minjae L. Experiences and lessons learned from a community health worker lifestyle intervention for Latinos during the Covid-19 pandemic. (2021). Society of Behavioral Medicine 42nd annual meeting: Accepted for Rapid Communications Research Spotlight.
11. Heredia NI, Hwang, JP, **John JC**, Strong LL, Balakrishnan M, McNeill LH. Primary care physicians' perspectives on non-alcoholic fatty liver disease. (2021). AACR Virtual Conference on The Science of Cancer Health Disparities. Poster presentation.
12. **John, JC**, Heredia NI, McNeill LH, Hoelscher D, Schembre S, Lee MJ, Reininger B & Strong LL. (2020). Qualitative exploration of family influences on physical activity in Hispanic households. Advancing the Science of Cancer in Latinos 2nd annual meeting: Poster presentation.
13. Strong LL, Lee M, Bhavsar S, **John JC**, McNeill LH, Goetz M, Schembre S, Hoelscher D & Reininger B. (2019). Recruitment of Latinos for a dyadic family lifestyle intervention: Experiences from the Tu Salud, ¡Si Cuenta! study. Society of Behavioral Medicine 41st annual meeting: Poster presentation.
14. Dinkel DM, Lu K, **John JC**, Snyder K, Lucas M & Jacobson LT. (201). A Cross-sectional examination physical activity, sedentary time, and sleep between parents and non-parents. Society of Behavioral Medicine 41st Annual Meeting: Poster presentation.
15. **John JC**, Wang J, McNeill LM, Basen-Engquist K, Hoover DS, Daniel CR & Strong LL. (2019). A Process evaluation of satisfaction and engagement measures from Project FITT: A mixed methods study on physical activity. Society of Behavioral Medicine 40th Annual Meeting: Poster presentation.
16. **John JC**, Wang J, McNeill LM, Basen-Engquist K, Hoover DS, Daniel CR & Strong LL. (2018). A Process evaluation of satisfaction and engagement measures from Project FITT: a mixed methods study on physical activity. Annual Postdoctoral Science Symposium: Oral presentation.
17. Brown B, **John JC**, Strong LL. (2018). qualitative exploration of concordant and discordant relationships in physical activity behaviors, attitudes, and social support systems in Latino households. Cancer Prevention Research Training Program Summer Expo: Poster presentation.

18. **John JC**, Wang J, McNeill LM, Schembre S, Lee MJ, Vidoni M, Hoelscher D, Reininger B & Strong LL. (2018). Qualitative exploration of family influences on physical activity and nutrition behaviors in Latino households. Society of Behavioral Medicine 39th annual meeting: Poster presentation.
19. Mattice VA, **John JC**, Salge LS. (2011). Associations between parity and adverse birth outcomes. Texas A&M School of Rural Public Health Research Poster Symposium: Poster presentation.
20. Nepal V, Banerjee B, **John JC**, & Arafat R. (2011). Nutritional environment assessment in an African American community in Acres Homes, Houston Texas. Council of State and Territorial Epidemiologists annual conference: Poster presentation.

TEACHING COURSES:

- 2024- PH 2615 Epidemiology II- Field Research Methods in Epidemiology
Primary Instructor (100% time)
- 2024- PH 2998 - Special Topics in Epidemiology (Health Equity) Foundations in Health Equity: Navigating determinants, policies, and steps to action
Co Instructor (50% time)

GUEST SPEAKING ROLES:

- 2024 TeachHer. Us. Them Conference, University of Houston Tilman J. Fertitta Family College of Medicine
- 2024 Elevator Speech Workshop: Content, styling, and presentation techniques, Cancer Prevention Research Training Program, University of Texas School of Public Health
- 2023 Elevator Speech Workshop: Content, styling, and presentation techniques, Cancer Prevention Research Training Program, University of Texas School of Public Health
- 2023 Featured Speaker, GEMS Women Empowerment Conference, Houston, Texas
- 2023 Championing Health Equity at UTHealth Houston, John P. and Kathrine G. McGovern Medical School, University of Texas Health Science Center
- 2022 Elevator Speech Workshop: Content, styling, and presentation techniques, Cancer Prevention Research Training Program, University of Texas School of Public Health
- 2022 Digital health applications in Physical Activity Epidemiology, Rice University
- 2022 Food insecurity, food systems and health, John P. and Kathrine G. McGovern Medical School, University of Texas Health Science Center
- 2021 Physical Activity Epidemiology: Concepts, Measurement Methods, and Application, Rice University

- 2021 Elevator Speech Workshop: Content, styling, and presentation techniques, Cancer Prevention Research Training Program, University of Texas School of Public Health
- 2020 Descriptive Epidemiology: Concepts, study designs, and measurement methods, Rice University
- 2020 Relevance and application of mhealth strategies in a racially-ethnic diverse population of Houston women, University of Utah
- 2019 elevator speech workshop: content, Styling, and Presentation Techniques, Cancer Prevention Research Training Program, University of Texas School of Public Health
- 2019 Elevator Speech Workshop: Content, styling, and presentation techniques, Cancer Prevention Research Training Program, University of Texas MD Anderson Cancer Center
- 2019 Elevator Speech Workshop: Content, styling, and presentation techniques, Susan Komen Training Program, University of Texas MD Anderson Cancer Center
- 2018 Elevator Speech Workshop: Content, styling, and presentation techniques, Cancer Prevention Research Training Program, University of Texas MD Anderson Cancer Center
- 2018 Elevator Speech Workshop: Content, styling, and presentation techniques, Cancer Prevention Research Training Program, University of Texas MD Anderson Cancer Center
- 2018 Epidemiology in Public Health Practice, Rice University

ORGANIZATIONS & LEADERSHIP:

- 2023- Houston Caribbean Professionals Association, *President*
- 2022- Houston Caribbean Professionals Association, *Education Chair*
- 2014- Texas A&M Health Science Center Alumni Association, *Executive Board*
- 2019-22 American Psychological Association, LEAP for Diverse Scholars
- 2018-21 Society of Behavioral Medicine, *Women's Health SIG*
- 2018-19 American Association for the Advancement of Science, *member*
- 2017-20 University of Texas MD Anderson Cancer Center Postdoctoral Executive Association, *Community Engagement Chair*
- 2016 -17 American College of Sports Medicine, *Member*
- 2014-17 City of Houston Texas Healthy Adolescent Initiative, *Executive Board*
- 2005-07 AmeriCorps, *member*