

Curriculum Vitae

LORRAINE TIERA DEAN, ScD

PERSONAL DATA

Business Address 615 N Wolfe St, E6650
 Baltimore, MD 21205
 Phone: 410.502.7205
 Lori.Dean@jhu.edu

EDUCATION

2010	ScD	Harvard School of Public Health Majors: Social Epidemiology; Social and Behavioral Research Methods Minor: Health Disparities Dissertation Focus: Macro- and micro-level determinants of cancer screening behaviors
2003	BA	University of Pennsylvania Major: Biological Basis of Behavior

PROFESSIONAL EXPERIENCE

2016-Present	Assistant Professor , Johns Hopkins Bloomberg School of Public Health Department of Epidemiology (primary) Department of Health Policy & Management (joint) Sidney Kimmel Cancer Center, Johns Hopkins School of Medicine (joint)
2019	Lecturer , Jefferson College of Population Health
2017-2019	Fellow , Brown University Clinical and Community-Based HIV/AIDS Research Training (CCRT) Fellowship
2017-2018	Fellow , SOURCE Service-Learning Faculty Fellows Program
2013-2016	Instructor , University of Pennsylvania School of Medicine, Department of Biostatistics and Epidemiology
2013-2015	Associate Fellow , Center for Public Health Initiatives
2013-2015	Fellow , Leonard Davis Institute of Health Economics
2012-2014	Manager , WISER Survivor Study, University of Pennsylvania Trans-disciplinary Research on Energetics and Cancer (TREC) Center
2011-2012	Adjunct Fellow/Guest Lecturer , Drexel University School of Public Health
2010-2012	Tobacco Policy & Control Manager , Philadelphia Department of Public Health
2009-2010	Research Analyst , Urban Affairs Coalition
2006-2009	Research and Evaluation Consultant , Goodman Research Group, Incorporated
2004-2005	Assistant Project Manager , University of Pennsylvania

2003-2004 Department of General Internal Medicine
Research Consultant, John Templeton Foundation
2003-2004 **Assistant Project Manager**, Philadelphia Veterans Affairs
Medical Center
2001-2002 **Research Assistant**, University of Pennsylvania Department
of General Internal Medicine

PROFESSIONAL ACTIVITIES

Society Membership and Leadership

International

2016-Present **Board of Directors**, Nyandarua Cancer Center, Kenya, Africa
2014-2016 **Member**, Society for Medical Decision Making

National

2019-Present **Medical Advisory Board**, FamilyReach
2018-Present **Member**, Society of Behavioral Medicine
2017-Present **Reviewer**, American Institute of Biological Sciences
Scientific Peer Advisory and Review Services
2017-Present **Member**, Society for Epidemiologic Research
2016-Present **Member**, Center for AIDS Research Social and Behavioral
Sciences Research Network
2016-Present **Member**, Trans-disciplinary Research on Energetics and
Cancer (TREC) Steering Committee
2016-Present **Co-leader**, Trans-disciplinary Research on Energetics and
Cancer (TREC) Disparities Workgroup
2015-2016 **Member**, The Obesity Society, Obesity & Cancer Section
2014-Present **Member**, Robert Wood Johnson New Connections Network
2013-Present **Co-leader**, Trans-disciplinary Research on Energetics and
Cancer (TREC) Disparities Workgroup Subcommittee, GIS
and Social Determinants
2013-Present **Member**, American Association for Cancer Research
2012-Present **Trainee**, Trans-disciplinary Research on Energetics and
Cancer
2012-2016 **Member**, Trans-disciplinary Research on Energetics and
Cancer (TREC) Disparities Workgroup
2005-Present **Member**, American Public Health Association

Local

2015-2016 **Chair of Academic Counsel Committee**, Project Forward
Leap
2014-2015 **Board of Directors**, American Cancer Society, East Central
Division
2014-2015 **MPH Community Advisory Board**, Thomas Jefferson
University
2007-2009 **Member**, Interdisciplinary Consortium on Urban Planning
and Public Health
2007-2009 **Member**, Harvard Black Student Health Organization
2006-2009 **Member**, Harvard School of Public Health Africa Health

2006-2007 **Forum**
Graduate Student Liaison, Harvard Black Student Health Association

Participation on Advisory Panels

2015-2016 **Community-Academic Advisory Board**, American Cancer Society Grant (#10-243-01): Problems and Resources of African American Breast Cancer Survivors

EDITORIAL ACTIVITIES

Peer Review Activities

2019-Present Academic peer reviewer, Cancer
2018-Present Academic peer reviewer, JMIR Public Health and Surveillance
2018-Present Academic peer reviewer, American Journal of Preventive Medicine
2018-Present Academic peer reviewer, Journal of Community Epidemiology & Health
2017-Present Academic peer reviewer, City & Community
2017-Present Academic peer reviewer, Epidemiology
2017-Present Academic peer reviewer, JAMA Oncology
2017-Present Academic peer reviewer, Cancer Epidemiology
2016-Present Academic peer reviewer, American Journal of Epidemiology
2016-Present Academic peer reviewer, Western Journal of Nursing
2016-Present Academic peer reviewer, Scientific Pages of Breast Cancer
2016-Present Academic peer reviewer, International Journal of Environmental Research and Public Health
2016-Present Academic peer reviewer, Sustainability
2016-Present Academic peer reviewer, JAMA Oncology
2016-Present Academic peer reviewer, Journal of Supportive Care in Cancer
2014-Present Academic peer reviewer, American Journal of Men's Health
2014-Present Academic peer reviewer, PLOS ONE
2014-Present Academic peer reviewer, Journal of Chronic Obstructive Pulmonary Disease
2010-Present Academic peer reviewer, Ethnicity & Health
2008-Present Academic peer reviewer, Journal of Health Psychology
2008-Present Academic peer reviewer, Social Science and Medicine

Ad Hoc Review of Proposals

2019 **Reviewer**, NIH NIMHD ZRG1 HDM-G (91) Implementation Science and HIV/AIDS Special Emphasis Panel
2018 **Reviewer**, NIH NIMHD ZRG1 Healthcare Delivery and Methodologies Integrated Review Group (56) Surgical Disparities Research Special Emphasis Panel
2017-Present Grant reviewer (2017) & Chair (2018), American Institute of Biological Sciences New York Department of Health Healthcare Practitioner Breast Cancer Education Research Project
2017-Present **Reviewer and Chair**, American Institute of Biological

Sciences for the New York State Department of Health
and the Health Research Science Board proposals
Grant reviewer, Cigarette Restitution Fund

2017-2018

HONORS AND AWARDS

Honors

2019 **Dean's Selection**, Leadership Program for Women Faculty, Office of Women in Science and Medicine, Johns Hopkins School of Medicine

2017 **NIH Early Career Reviewer**, Center for Scientific Review, National Institutes of Health

2017 **Member**, Johns Hopkins Center for Health Disparities Solutions

2016 **Selectee**, CFAR Social and Behavioral Sciences Research Network (SBSRN) "Mentoring the Next Generation" Workshop, Miami FL

2016 National Cancer Institute National Minority Health Month Spotlight: Career Development

2015-2016 **Invited Fellow**, Professional Development and Mock Review Workshop, NCI/Center to Reduce Cancer Health Disparities

2015 **Selectee**, Molecular Prevention Course, National Cancer Institute

2013 **Grantee**, National Institutes of Health Loan Repayment Program

2008-2010 **Grantee**, Ruth L. Kirschstein F31 National Research Service Award (NIH)

2008 **Grantee**, Pre-Doctoral Cancer Prevention Fellowship, HSPH/Dana Farber Cancer Institute Fellowship

2006-2008 Biostatistics Department's Initiative for Maximizing Student **Diversity Fellowship**, Harvard School of Public Health

2006 **Selectee**, UNESCO Quality of Life Education Grant Selectee

2005-2006 **Grantee**, William J. Fulbright Program

2003 **Member**, Onyx Senior Honor Society

2002 **Summer Undergraduate Minority Research Scholar**, Leonard Davis Institute of Health Economics

Awards

2019 **Diversity Recognition Award**, Johns Hopkins University Diversity Leadership Council

2019 **Delta Omega Award for Innovative Public Health Curriculum**, Delta Omega National Office

2018 **Golden Apple Award for Excellence in Teaching**, Johns Hopkins Bloomberg School of Public Health

2017 **Faculty Innovation Fund**, Johns Hopkins Bloomberg School of Public Health

2015 Outstanding Investigator Award, Susan G. Komen

2015 Community Impact Award, Delta Sigma Theta Sorority, Inc Lancaster Alumni Chapter

2009 John Piersol McCaskey Distinguished Alumni Award

PUBLICATIONS

Journal Articles [* denotes mentee is first author]

1. *Hasan ZMD, **Dean LT**, Kennedy CW, Akshay A, Rao KD, Gupta S. Social capital and utilization of immunization service: a multilevel analysis in rural Uttar Pradesh, India. Social Science & Medicine – Population Health. 2020. [in press]
2. **Dean LT**, George M, Lee KT, Ashing KA. Why Individual-Level Interventions Aren't Enough: Systems-Level Determinants of Oral Anti-Cancer Medication Adherence. Cancer. 2020. [in press]
3. *Mouslim M, Johnson R, **Dean LT**. Healthcare System Distrust along the Breast Cancer Continuum of Care. Breast Cancer Research and Treatment. 2020 Feb;180(1):33-44. doi: 10.1007/s10549-020-05538-0. PMID: 31983018
4. *Hasan ZMD, Leoutsakos JM, Story WT, **Dean LT**, Rao KD, Gupta S. Exploration of Factor Structure and Measurement Invariance by Gender for a Modified Shortened Adapted Social Capital Assessment Tool in India (SASCAT-I). Frontiers in Psychology. 2019 Dec; 10, 2641. doi: 10.3389/fpsyg.2019.02641
5. *Malone J, Sngunon S, **Dean LT**, Adams MA, Poteat T. Breast Cancer Screening and Care Among Black Sexual Minority Women: A Scoping Review of the Literature from 1990 to 2017. J Womens Health (Larchmt). 2019 Dec;28(12):1650-1660. doi: 10.1089/jwh.2018.7127. PubMed PMID: 30882262; PubMed Central PMCID: PMC6919240.
6. Raifman J, **Dean LT**, Montgomery MC, Almonte A, Arrington-Sanders R, Stein MD, Nunn AS, Sosnowy CD, Chan PA. Racial and Ethnic Disparities in HIV Pre-exposure Prophylaxis Awareness Among Men Who have Sex with Men. AIDS Behav. 2019 Oct;23(10):2706-2709. doi: 10.1007/s10461-019-02462-3. PubMed PMID: 30874995; PubMed Central PMCID: PMC6744997.
7. **Dean LT**, Ransome Y, Frasso-Jaramillo L, Moss SL, Zhang Y, Ashing K, Denis GV, Frick KD, Visvanathan K, Schmitz KH. Drivers of cost differences between US breast cancer survivors with or without lymphedema. J Cancer Surviv. 2019 Oct;13(5):804-814. doi: 10.1007/s11764-019-00799-1. Epub 2019 Aug 24. PubMed PMID: 31446591; PubMed Central PMCID: PMC6828620.
8. Schmitz KH, Troxel AB, **Dean LT**, DeMichele A, Brown JC, Sturgeon K, Zhang Z, Evangelisti M, Spinelli B, Kallan MJ, Denlinger C, Cheville A, Winkels RM, Chodosh L, Sarwer DB. Effect of Home-Based Exercise and Weight Loss Programs on Breast Cancer-Related Lymphedema Outcomes Among Overweight Breast Cancer Survivors: The WISER Survivor Randomized Clinical Trial. JAMA Oncol. 2019 Aug 15;. doi: 10.1001/jamaoncol.2019.2109. [Epub ahead of print] PubMed PMID: 31415063; PubMed Central PMCID: PMC6696732.
9. **Dean LT**, Moss SL, Rollinson SI, Frasso Jaramillo L, Paxton RJ, Owczarzak JT. Patient recommendations for reducing long-lasting economic burden after breast cancer.

- Cancer. 2019 Jun 1;125(11):1929-1940. doi: 10.1002/cncr.32012. Epub 2019 Mar 6. PubMed PMID: 30839106; PubMed Central PMCID: PMC6508994.
10. Coughlin SS, **Dean LT**. Cancer survivorship care plans, financial toxicity, and financial planning alleviating financial distress among cancer survivors. Support Care Cancer. 2019 Jun;27(6):1969-1971. doi: 10.1007/s00520-019-04703-6. Epub 2019 Feb 22. PubMed PMID: 30796520.
 11. **Dean LT**, Moss SL, Ransome Y, Frasso-Jaramillo L, Zhang Y, Visvanathan K, Nicholas LH, Schmitz KH. "It still affects our economic situation": long-term economic burden of breast cancer and lymphedema. Support Care Cancer. 2019 May;27(5):1697-1708. doi: 10.1007/s00520-018-4418-4. PubMed PMID: 30121786; PubMed Central PMCID: PMC6379148.
 12. *Knapp EA, Bilal U, **Dean LT**, Lazo M, Celentano DD. Economic Insecurity and Deaths of Despair in US Counties. Am J Epidemiol. 2019 Apr 24;. doi: 10.1093/aje/kwz103. [Epub ahead of print] PubMed PMID: 31172197.
 13. Spinelli B, Kallan MJ, Zhang X, Cheville A, Troxel A, Cohn J, **Dean L**, Sturgeon K, Evangelista M, Zhang Z, Ebaugh D, Schmitz KH. Intra- and Interrater Reliability and Concurrent Validity of a New Tool for Assessment of Breast Cancer-Related Lymphedema of the Upper Extremity. Arch Phys Med Rehabil. 2019 Feb;100(2):315-326. doi: 10.1016/j.apmr.2018.08.185. Epub 2018 Oct 4. PubMed PMID: 30291828.
 14. Johnson RM, Fleming CB, Cambron C, **Dean LT**, Brighthaupt SC, Guttmannova K. Race/Ethnicity Differences in Trends of Marijuana, Cigarette, and Alcohol Use Among 8th, 10th, and 12th Graders in Washington State, 2004-2016. Prev Sci. 2019 Feb;20(2):194-204. doi: 10.1007/s11121-018-0899-0. PubMed PMID: 29633175; PubMed Central PMCID: PMC6179943.
 15. Paxton RJ, Garner W, **Dean LT**, Logan G, Allen-Watts K. Health Behaviors and Lifestyle Interventions in African American Breast Cancer Survivors: A Review. Front Oncol. 2019;9:3. doi: 10.3389/fonc.2019.00003. eCollection 2019. Review. PubMed PMID: 30723698; PubMed Central PMCID: PMC6349825.
 16. **Dean LT**, Knapp EA, Sngun S, Ransome Y, Qato DM, Visvanathan K. Consumer credit, chronic disease and risk behaviours. J Epidemiol Community Health. 2019 Jan;73(1):73-78. doi: 10.1136/jech-2018-211160. Epub 2018 Oct 15. PubMed PMID: 30322882; PubMed Central PMCID: PMC6512797.
 17. **Dean LT**, Nicholas LH. Using Credit Scores to Understand Predictors and Consequences of Disease. Am J Public Health. 2018 Nov;108(11):1503-1505. doi: 10.2105/AJPH.2018.304705. PubMed PMID: 30303720; PubMed Central PMCID: PMC6187788.
 18. Jones-Eversley SD, **Dean LT**. After 121 Years, It's Time to Recognize WEB Du Bois as a Founding Father of Social Epidemiology. The Journal of Negro Education. 2018;87(3):230-45.

19. *Knapp EA, **Dean LT**. Consumer credit scores as a novel tool for identifying health in urban U.S. neighborhoods. Ann Epidemiol. 2018 Oct;28(10):724-729. doi: 10.1016/j.annepidem.2018.07.013. Epub 2018 Jul 31. PubMed PMID: 30115411; PubMed Central PMCID: PMC6231232.
20. Ransome Y, Thurber KA, Swen M, Crawford ND, German D, **Dean LT**. Social capital and HIV/AIDS in the United States: Knowledge, gaps, and future directions. SSM Popul Health. 2018 Aug;5:73-85. doi: 10.1016/j.ssmph.2018.05.007. eCollection 2018 Aug. PubMed PMID: 29892697; PubMed Central PMCID: PMC5991916.
21. **Dean LT**, Gehlert S, Neuhouser ML, Oh A, Zanetti K, Goodman M, Thompson B, Visvanathan K, Schmitz KH. Social factors matter in cancer risk and survivorship. Cancer Causes Control. 2018 Jul;29(7):611-618. doi: 10.1007/s10552-018-1043-y. Epub 2018 May 30. PubMed PMID: 29846844; PubMed Central PMCID: PMC5999161.
22. **Dean LT**, Schmitz KH, Frick KD, Nicholas LH, Zhang Y, Subramanian SV, Visvanathan K. Consumer credit as a novel marker for economic burden and health after cancer in a diverse population of breast cancer survivors in the USA. J Cancer Surviv. 2018 Jun;12(3):306-315. doi: 10.1007/s11764-017-0669-1. Epub 2018 Jan 25. PubMed PMID: 29372485; PubMed Central PMCID: PMC5955811.
23. **Dean LT**, Montgomery MC, Raifman J, Nunn A, Bertrand T, Almonte A, Chan PA. The Affordability of Providing Sexually Transmitted Disease Services at a Safety-net Clinic. Am J Prev Med. 2018 Apr;54(4):552-558. doi: 10.1016/j.amepre.2017.12.016. Epub 2018 Feb 1. PubMed PMID: 29397280; PubMed Central PMCID: PMC5860994.
24. Lee AJ, Montgomery MC, Patel RR, Raifman J, **Dean LT**, Chan PA. Improving Insurance and Health Care Systems to Ensure Better Access to Sexually Transmitted Disease Testing and Prevention. Sex Transm Dis. 2018 Apr;45(4):283-286. doi: 10.1097/OLQ.0000000000000727. PubMed PMID: 29465707; PubMed Central PMCID: PMC5847409.
25. Goodman M, Lyons S, **Dean LT**, Arroyo C, Hipp JA. How Segregation Makes Us Fat: Food Behaviors and Food Environment as Mediators of the Relationship Between Residential Segregation and Individual Body Mass Index. Front Public Health. 2018;6:92. doi: 10.3389/fpubh.2018.00092. eCollection 2018. PubMed PMID: 29651414; PubMed Central PMCID: PMC5884945.
26. Sturgeon KM, Hackley R, Fornash A, **Dean LT**, Laudermilk M, Brown JC, Sarwer DB, DeMichele AM, Troxel AB, Schmitz KH. Strategic recruitment of an ethnically diverse cohort of overweight survivors of breast cancer with lymphedema. Cancer. 2018 Jan 1;124(1):95-104. doi: 10.1002/cncr.30935. Epub 2017 Sep 7. PubMed PMID: 28881471; PubMed Central PMCID: PMC5743016.
27. **Dean LT**, Moss SL, McCarthy AM, Armstrong K. Healthcare System Distrust, Physician Trust, and Patient Discordance with Adjuvant Breast Cancer Treatment Recommendations. Cancer Epidemiol Biomarkers Prev. 2017 Dec;26(12):1745-1752.

doi: 10.1158/1055-9965.EPI-17-0479. Epub 2017 Sep 29. PubMed PMID: 28971987; PubMed Central PMCID: PMC5712243.

28. *Swen M, Mann A, Paxton RJ, **Dean LT**. Do Cancer-Related Fatigue and Physical Activity Vary by Age for Black Women With a History of Breast Cancer?. Prev Chronic Dis. 2017 Nov 30;14:E122. doi: 10.5888/pcd14.170128. PubMed PMID: 29191261; PubMed Central PMCID: PMC5716813.
29. Winkels RM, Sturgeon KM, Kallan MJ, **Dean LT**, Zhang Z, Evangelisti M, Brown JC, Sarwer DB, Troxel AB, Denlinger C, Laudermilk M, Fornash A, DeMichele A, Chodosh LA, Schmitz KH. The women in steady exercise research (WISER) survivor trial: The innovative transdisciplinary design of a randomized controlled trial of exercise and weight-loss interventions among breast cancer survivors with lymphedema. Contemp Clin Trials. 2017 Oct;61:63-72. doi: 10.1016/j.cct.2017.07.017. Epub 2017 Jul 21. PubMed PMID: 28739540; PubMed Central PMCID: PMC5817634.
30. Ransome Y, **Dean LT**, Crawford ND, Metzger DS, Blank MB, Nunn AS. How Do Social Capital and HIV/AIDS Outcomes Geographically Cluster and Which Sociocontextual Mechanisms Predict Differences Across Clusters?. J Acquir Immune Defic Syndr. 2017 Sep 1;76(1):13-22. doi: 10.1097/QAI.0000000000001463. PubMed PMID: 28797017; PubMed Central PMCID: PMC5584611.
31. Sturgeon KM, **Dean LT**, Heroux M, Kane J, Bauer T, Palmer E, Long J, Lynch S, Jacobs L, Sarwer DB, Leonard MB, Schmitz K. Commercially available lifestyle modification program: randomized controlled trial addressing heart and bone health in BRCA1/2+ breast cancer survivors after risk-reducing salpingo-oophorectomy. J Cancer Surviv. 2017 Apr;11(2):246-255. doi: 10.1007/s11764-016-0582-z. Epub 2016 Nov 21. PubMed PMID: 27873046; PubMed Central PMCID: PMC5386323.
32. Graul A, Latif N, Zhang X, **Dean LT**, Morgan M, Giuntoli R, Burger R, Kim S, Ko E. Incidence of Venous Thromboembolism by Type of Gynecologic Malignancy and Surgical Modality in the National Surgical Quality Improvement Program. Int J Gynecol Cancer. 2017 Mar;27(3):581-587. doi: 10.1097/IGC.0000000000000912. PubMed PMID: 28187092; PubMed Central PMCID: PMC5539959.
33. Ransome Y, Kawachi I, **Dean LT**. Neighborhood Social Capital in Relation to Late HIV Diagnosis, Linkage to HIV Care, and HIV Care Engagement. AIDS Behav. 2017 Mar;21(3):891-904. doi: 10.1007/s10461-016-1581-9. PubMed PMID: 27752875; PubMed Central PMCID: PMC5306234.
34. Barsevick AM, Leader A, Bradley PK, Avery T, **Dean LT**, DiCarlo M, Hegarty SE. Post-treatment problems of African American breast cancer survivors. Support Care Cancer. 2016 Dec;24(12):4979-4986. doi: 10.1007/s00520-016-3359-z. Epub 2016 Aug 19. PubMed PMID: 27543161; PubMed Central PMCID: PMC5539961.
35. **Dean LT**, Brown J, Coursey M, Schmitz KH. Great expectations: racial differences in outcome expectations for a weight lifting intervention among black and white breast cancer survivors with or without lymphedema. Psychooncology. 2016 Sep;25(9):1064-

70. doi: 10.1002/pon.4175. Epub 2016 Jun 1. PubMed PMID: 27192633; PubMed Central PMCID: PMC5014689.
36. **Dean LT**, Zhang X, Latif N, Giuntoli R, Lin L, Haggerty A, Kim S, Shalowitz D, Stashwick C, Simpkins F, Burger R, Morgan M, Ko E, Schmitz K. Race-based disparities in loss of functional independence after hysterectomy for uterine cancer. Support Care Cancer. 2016 Aug;24(8):3573-80. doi: 10.1007/s00520-016-3185-3. Epub 2016 Mar 30. PubMed PMID: 27025595; PubMed Central PMCID: PMC4920714.
37. **Dean LT**, Kumar A, Kim T, Herling M, Brown JC, Zhang Z, Evangelisti M, Hackley R, Kim J, Chevillat A, Troxel AB, Schwartz JS, Schmitz KH. Race or Resource? BMI, Race, and Other Social Factors as Risk Factors for Interlimb Differences among Overweight Breast Cancer Survivors with Lymphedema. J Obes. 2016;2016:8241710. doi: 10.1155/2016/8241710. Epub 2016 Jun 28. PubMed PMID: 27433356; PubMed Central PMCID: PMC4940553.
38. **Dean LT**, DeMichele A, LeBlanc M, Stephens-Shields A, Li SQ, Colameco C, Coursey M, Mao JJ. Black breast cancer survivors experience greater upper extremity disability. Breast Cancer Res Treat. 2015 Nov;154(1):117-25. doi: 10.1007/s10549-015-3580-3. Epub 2015 Sep 29. PubMed PMID: 26420404; PubMed Central PMCID: PMC4623964.
39. Zhang X, Haggerty AF, Brown JC, Giuntoli R 2nd, Lin L, Simpkins F, **Dean LT**, Ko E, Morgan MA, Schmitz KH. The prescription or proscription of exercise in endometrial cancer care. Gynecol Oncol. 2015 Oct;139(1):155-9. doi: 10.1016/j.ygyno.2015.08.007. Epub 2015 Aug 22. PubMed PMID: 26307400; PubMed Central PMCID: PMC4915365.
40. **Dean LT**, Subramanian SV, Williams DR, Armstrong K, Zubrinsky Charles C, Kawachi I. Getting Black Men to Undergo Prostate Cancer Screening: The Role of Social Capital. Am J Mens Health. 2015 Sep;9(5):385-96. doi: 10.1177/1557988314546491. Epub 2014 Aug 12. PubMed PMID: 25117538; PubMed Central PMCID: PMC4472568.
41. **Dean LT**, Hillier A, Chau-Glending H, Subramanian SV, Williams DR, Kawachi I. Can you party your way to better health? A propensity score analysis of block parties and health. Soc Sci Med. 2015 Aug;138:201-9. doi: 10.1016/j.socscimed.2015.06.019. Epub 2015 Jun 18. PubMed PMID: 26117555; PubMed Central PMCID: PMC4500646.
42. **Dean L**, Subramanian SV, Williams DR, Armstrong K, Charles CZ, Kawachi I. The role of social capital in African-American women's use of mammography. Soc Sci Med. 2014 Mar;104:148-56. doi: 10.1016/j.socscimed.2013.11.057. Epub 2013 Dec 13. PubMed PMID: 24581073; PubMed Central PMCID: PMC3942669.
43. Parvanta S, Gibson L, Forquer H, Shapiro-Luft D, **Dean L**, Freres D, Lerman C, Mallya G, Moldovan-Johnson M, Tan A, Cappella J, Hornik R. Applying Quantitative Approaches to the Formative Evaluation of Antismoking Campaign Messages. Soc Mar Q. 2013 Dec;19(4):242-264. doi: 10.1177/1524500413506004. PubMed PMID: 24817829; PubMed Central PMCID: PMC4012855.

44. Schmitz KH, Neuhouser ML, Agurs-Collins T, Zanetti KA, Cadmus-Bertram L, **Dean LT**, Drake BF. Impact of obesity on cancer survivorship and the potential relevance of race and ethnicity. J Natl Cancer Inst. 2013 Sep 18;105(18):1344-54. doi: 10.1093/jnci/djt223. Epub 2013 Aug 29. Review. PubMed PMID: 23990667; PubMed Central PMCID: PMC3776266.
45. Leung R, Mallya G, **Dean LT**, Rizvi A, Dignam L, Schwarz DF. Instituting a smoke-free policy for city recreation centers and playgrounds, Philadelphia, Pennsylvania, 2010. Prev Chronic Dis. 2013 Jul 11;10:E116. doi: 10.5888/pcd10.120294. PubMed PMID: 23845177; PubMed Central PMCID: PMC3711557.
46. FitzGerald EA, Frasso R, **Dean LT**, Johnson TE, Solomon S, Bugos E, Mallya G, Cannuscio CC. Community-generated recommendations regarding the urban nutrition and tobacco environments: a photo-elicitation study in Philadelphia. Prev Chronic Dis. 2013 Jun 13;10:E98. doi: 10.5888/pcd10.120204. PubMed PMID: 23764347; PubMed Central PMCID: PMC3684355.
47. Hutchinson RN, Putt MA, **Dean LT**, Long JA, Montagnet CA, Armstrong K. Neighborhood racial composition, social capital and black all-cause mortality in Philadelphia. Soc Sci Med. 2009 May;68(10):1859-65. doi: 10.1016/j.socscimed.2009.02.005. Epub 2009 Mar 25. PubMed PMID: 19324485; PubMed Central PMCID: PMC5472423.
48. Armstrong K, McMurphy S, **Dean LT**, Micco E, Putt M, Halbert CH, Schwartz JS, Sankar P, Pyeritz RE, Bernhardt B, Shea JA. Differences in the patterns of health care system distrust between blacks and whites. J Gen Intern Med. 2008 Jun;23(6):827-33. doi: 10.1007/s11606-008-0561-9. Epub 2008 Feb 26. PubMed PMID: 18299939; PubMed Central PMCID: PMC2517897.
49. Shea JA, Micco E, **Dean LT**, McMurphy S, Schwartz JS, Armstrong K. Development of a revised Health Care System Distrust scale. J Gen Intern Med. 2008 Jun;23(6):727-32. doi: 10.1007/s11606-008-0575-3. Epub 2008 Mar 28. PubMed PMID: 18369678; PubMed Central PMCID: PMC2517896.

Articles, Editorials and other publications not peer reviewed

1. DiPietro J & **Dean LT**. "Diversity Matters." Presentation developed for Johns Hopkins Bloomberg School of Public Health Diversity Advocates Network. April 2017.
2. **Dean LT**, Gilbert KL: Social Capital and Political Advocacy for African-American Health. Harvard Journal of African-American Policy, 16 (2009-2010): 85-96, December 2010.
3. **Dean LT**, McKnight AM. Students Advocate for a Smoking Ban in Philadelphia. Pennsylvania Public Health Watch. Winter 2005 Edition, 12-14.

Book Chapters

1. **Dean LT**, Gilbert KL: Social Capital, Social Policy and Health Disparities: A Legacy of

Political Advocacy. Global Perspectives on Social Capital and Health. Kawachi I, Takao S, Subramanian SV (eds.). International Society on Social Capital and Health, 307-322. 2013.

Practice-Related Reports

1. "Tobacco Policy and Control Program: Making the Healthy Choice the Easy Choice." http://www.phila.gov/health/pdfs/commissioner/2012AnnualReport_Tobacco.pdf
2. "Tobacco Policy and Control: Policies, Systems, and Environmental Impacts & Achievements." http://www.phila.gov/health/pdfs/commissioner/GHP_AnnualReport_2011_Tobacco_081211.pdf

PRACTICE ACTIVITIES

Presentations to policy-makers and other stakeholders

Jan, 2020	"Get PreP'd for Sex", General Public Seminar Franklin Institute Science Museum, Philadelphia, PA
Mar, 2012	"Get Healthy Philly", Health Policy Seminar University of Pennsylvania, Philadelphia, PA
Feb, 2012	"Get Healthy Philly", Tobacco Prevention University of Pennsylvania, Philadelphia, PA
Dec, 2014	"Lessons at the Intersection of Public Health and Education", Mayor's Office of Education, Philadelphia, PA
Dec, 2014	"Lessons at the Intersection of Public Health and Education", Project Forward Leap Education Policy Forum: Empowering Students for Achievement, Philadelphia, PA
Oct, 2011	"Philadelphia Tobacco Control: Public Health Programming and Evaluation" Thomas Jefferson University, Philadelphia, PA
May, 2011	"Assessing Social Capital in Southeastern Pennsylvania" Public Health Management Corporation, Philadelphia, PA
Apr, 2011	"Why do we do the things we do? Policy, Public Health and Prevention" University of Medicine and Dentistry of New Jersey, Stratford, NJ

Research finding dissemination through media appearances and other communication venues

1. Goudreau, Clair. "University nominates JHPD Accountability Board". The Johns Hopkins News-Letter. 6 February 2020. <https://www.jhunewsletter.com/article/2020/02/university-nominates-jhpd-accountability-board>

2. Seegert, Liz. “The Financial Burden of Breast Cancer”. Forbes.com. 21 January 2020. <https://www.forbes.com/sites/nextavenue/2020/01/21/the-financial-burden-of-breast-cancer/#42fc5dfd4d21>
3. Mongolio, Heather. “The hidden costs: How breast cancer drove a Frederick woman into homelessness.” The Frederick News-Post. 31 October 2019. https://www.fredericknewspost.com/news/health/treatment_and_diseases/the-hidden-costs-how-breast-cancer-drove-a-frederick-woman/article_c1ea75a9-edf8-5088-8979-fc0151b2cc8f.html
4. Goodman, Jonathan. “Reducing the Economic Burden of Breast Cancer: Patient-Based Recommendations.” Cancer Therapy Advisor. 1 April 2019. <https://www.cancertherapyadvisor.com/home/cancer-topics/breast-cancer/breast-cancer-economic-burden-reduction-patient-recommendations/>
5. “Patients with Breast Cancer Provide Recommendations to Ease Financial Toxicity.” The ASCO Post. 8 March 2019. <http://www.ascopost.com/News/59820?fbclid=IwAR223ARcQOezrcbUal-f1h6KKgX0SX-C0tBuwzRCMbIIKfUTnRaJAqruz7U>
6. Southall, Jennifer. “High costs of breast cancer-associated lymphedema can 'cripple' patients financially.” HemOncToday. 31 January 2019. <https://www.healio.com/hematology-oncology/breast-cancer/news/online/%7B20f3b1ad-f697-491a-80c7-8a2056ee3c51%7D/high-costs-of-breast-cancer-associated-lymphedema-can-cripple-patients-financially>
7. “Out-of-Pocket Costs from Breast Cancer Treatment Have Long-Lasting Impact.” Specialty Pharmacy Times. 3 September 2018. <https://www.specialtypharmacytimes.com/news/out-of-pocket-costs-from-breast-cancer-treatment-have-long-lasting-impact>
8. Mozes, Alan. “Bills Mount for Breast Cancer Survivors.” Chicago Tribune (via HealthDay). 17 September 2018. <http://www.chicagotribune.com/lifestyles/health/sc-hlth-breast-cancer-expenses-lymphedema-0926-story.html> (24 August 2018) <https://consumer.healthday.com/cancer-information-5/breast-cancer-news-94/bills-mount-for-breast-cancer-survivors-737074.html>
9. Scullin, Robin. “New study finds that the financial fallout from breast cancer can last for years and cause a series of cascading economic consequences for survivors and their families.” Johns Hopkins University HUB. August 2018. <https://hub.jhu.edu/2018/08/22/breast-cancer-costs/>
10. Gourarie, Chava. “Most Breast Cancer Studies Don't Address Race or Socioeconomic Factors.” 17 July 2018. HealthCare Analytics News.

<https://www.hcanews.com/news/most-breast-cancer-studies-dont-address-race-or-socioeconomic-factors>

11. Schnabel, Jim. "Breast Cancer Studies Ignore Race, Socioeconomic Factors" Johns Hopkins School of Public Health. 27 June 2018. <https://www.jhsph.edu/news/news-releases/2018/breast-cancer-studies-ignore-race-socioeconomic-factors.html>
12. Southall, Jennifer. "Many women forego adjuvant breast cancer treatment due to distrust of health care system" HemOncToday. 26 February 2018. <https://www.healio.com/hematology-oncology/breast-cancer/news/online/%7B62b5e19b-1ad7-4971-a858-14974ed6b45e%7D/many-women-forego-adjuvant-breast-cancer-treatment-due-to-distrust-of-health-care-system>
13. Rubin, Rita. "Distrust In Health-Care System Might Prevent Breast Cancer Patients From Getting Recommended Care" Forbes.com. 1 December 2017. <https://www.forbes.com/sites/ritarubin/2017/11/30/distrust-in-health-care-system-might-prevent-breast-cancer-patients-from-getting-recommended-care/#43861c2f3100>
14. Brooks, Megan. "Nearly 1 in 3 Breast Cancer Patients Skip Adjuvant Therapy: Why?" Medscape Public Health. 13 November 2017. <https://www.medscape.com/viewarticle/888521>
15. "Many breast cancer patients forgo post-surgery treatment due to distrust, study suggests." Johns Hopkins University HUB. November 2017. <https://hub.jhu.edu/2017/11/02/breast-cancer-treatment-discordance/>
16. Lorraine T. Dean: "NRT Giveaway Quit-A-Thon." Philly Speaks with E. Steven Collins. 100.3 WRNB. January 2012.
17. Lorraine T. Dean: "PDPH announces: NRT Giveaway." The Morning Show with Bill Anderson. 900AM WURD. December 2011.

Other Practice Activities

2018

Organizer/Drafter, Research Letter from the Sidney Kimmel Cancer Center for the Lymphedema Treatment Act
Drafted a letter based on my original research and expertise on costs to lymphedema patients, which was included as part of the submission of the legislation. Subsequently, nearly all of Maryland's Congress signed on to support the legislation, which passed in the US House of Representatives (H.R. 3) in 2019.

2010-2012

Co-leader, Smoke-Free Philly Coalition
Led a group of non-profit leaders and community members on tobacco control initiatives. This included informing community

members and the Philadelphia Mayor of upcoming legislation and educating community members on the challenges of tobacco control in Philadelphia.

2004-2005

Representative, BreatheFree Philadelphia

Represented graduate students at the University of Pennsylvania on Philadelphia's smoke-free workplace ban, which subsequently passed. Issued a report on student perspectives on smoke-free workplaces.

CURRICULUM VITAE

LORRAINE TIERA DEAN, SCD PART II

TEACHING

Post-Doctoral Trainees, Johns Hopkins Bloomberg School of Public Health

2020-Present	Post-doctoral Fellow, Cancer Epidemiology	Kristi Tredway, PhD
--------------	--	---------------------

PhD Advisees, Johns Hopkins Bloomberg School of Public Health

2019-Present	PhD Candidate, Epidemiology (<i>co-advisor</i>)	Jowanna Malone, MSc “Challenges in HIV healthcare among men who have sex with men: a socio-ecological approach”
--------------	--	---

2018-Present	PhD Candidate, Epidemiology (<i>co-advisor</i>)	Chinenye Ugoji, BPharm, MPH: “Inflammation, Aging Phenotypes and Mortality in Cancer survivors”
--------------	--	--

2016-2018	PhD Candidate, Epidemiology (<i>primary advisor</i>)	Geoff Dougherty: “Race, Structural Racism and Obesity”
-----------	---	--

PhD Thesis Committees, Johns Hopkins Bloomberg School of Public Health

2018-Present	MD/PhD Student, Health Policy & Management	Sarah Gensheimer: “Assessing Housing Issues and Associated Health Care Utilization and Outcomes Among Adults Using Claims and Electronic Health Records”
--------------	---	--

2018-2019	PhD Candidate, International Health	Md Zabir Hasan: “Pitfall or Ladder: Social Capital for Care Seeking and Paying for Healthcare”
-----------	--	--

2017-2018	PhD Candidate, International Health	Avril Kaplan: “Social Capital and Utilization of Health Services: A Study in Nagaland, India”
-----------	--	---

2016-2018	PhD Candidate, Epidemiology	Emily Knapp, MHS: “Does Economic Insecurity Explain Weight Gain in Children? Using Electronic Health Records for Population Health”
-----------	--------------------------------	---

Master’s Advisees, Johns Hopkins Bloomberg School of Public Health

2018-Present	ScM Candidate, General Epidemiology	Morgane Mouslim, DVM: “Effect of filgrastim-sndz (Zarxio®) market entry on patient utilization of colony growth stimulating factors in the United States”
--------------	--	---

Lorraine Tiera Dean, ScD

2017-Present	ScM Candidate, General Epidemiology	Sarah Rollinson: “Characterization of Medical System Mistrust Among African-American Breast Cancer Survivors”
2017-2018	MPH Candidate	Sevly Sngunon: “Examining employment discrimination and attempted suicides in Baltimore and D.C. Trans Women of Color”

MPH Advisees, Other Institutions

2014-2016	MPH Candidate, University of Pennsylvania Program in Public Health	Shadiya Moss: “The Role of Distrust in Breast Cancer Treatment”
2014-2016	MPH Candidate, Drexel University School of Public Health	Amandeep Mann: “The Associations Between Fatigue and Quality of Life Among African American Breast Cancer Survivors.”
2013-2015	MPH Candidate, Drexel University School of Public Health	Ali Hameed: “Racial Differences in Body Image Perception Among Black and White Breast Cancer Survivors”
2012-2014	MPH Candidate, Drexel University School of Public Health	Jonathan Newman: “Understanding Research Burden Among Cancer Survivors of the PAL Trial: A Mixed-Methods Analysis to Maximize Participant Retention”
2012-2014	MPH Candidate, Drexel University School of Public Health	Cindy Gonzalez: “Breast Cancer Related Lymphedema – Physical Burden Reporting Between African American and white Women”
2012-2014	MPH Candidate, Drexel University School of Public Health	Margaret Katana: “An Assessment of the Severity and Perceived Financial Hardship of Breast Cancer Related Lymphedema in Breast Cancer Survivors”
2012-2014	MPH, Temple University College of Public Health	Vincent Adomolga: “Recruiting Women with Breast Cancer-Related Lymphedema into a Diet Randomized Controlled Trial: Barriers & Facilitators to Recruitment”
2011-2013	MPH Candidate, University of Pennsylvania Program in Public Health	Elizabeth Fox: “Predictors of Out-of-Pocket Health Care Expenditures in Breast Cancer Survivors with Lymphedema”
2011-2013	MPH Candidate, Jefferson	Neh Molyneaux: “Do Smoking Cessation

Lorraine Tiera Dean, ScD

School of Public Health

Programs Tailored to Specific Audiences
Improve Cessation Outcomes?"

Departmental & Preliminary Oral Examination Participation – Johns Hopkins Bloomberg School of Public Health

2019	Epidemiology	Daniel Antiporta
2018	Epidemiology	Adaeze Wosu
2018	International Health	Md Zabir Hasan
2018	Health Policy & Management	Curtis Leung
2016	International Health	Avril Kaplan
2016	Mental Health	David Fakunle

Classroom Instruction

Spring 2020 (3 rd Term)	Instructor: Advanced Seminar in Social Epidemiology (JHSPH 340.705.01) Enrollment: 12
Summer 2020, 2019	Instructor: Foundations of Social Epidemiology (JHSPH 340.666.89) Enrollment: 24 (2019)
Spring 2020, 2018 (4 th Term)	Course Creator and Instructor: Methods for Assessing Power and Privilege in Public Health (JHSPH 340.698.01) Enrollment: 7 (2018)
Fall 2017 (2 nd Term)	Course Co-Instructor: Foundations of Social Epidemiology (JHSPH 340.666.60) Enrollment: 27
Spring 2017 (4 th Term)	Facilitator, Special Studies: Discourse on Race and Health (JHSPH) Enrollment: 8
Spring 2014	Instructor/Course Creator, Social Epidemiology (PENN HSOC 232) Enrollment: 28
Fall 2014, Spring 2014, Fall 2012	Instructor, Methods for Public Health Practice (PENN PUBH506) Enrollment range: 8-31

Guest Lectures in Courses

Spring 2018 (4 th Term), Fall 2017 (2 nd Term)	“Introduction to Social Determinants of Health” <i>Fundamentals of Epidemiology Course at Homewood (Public Health</i>
--	--

Lorraine Tiera Dean, ScD

Term), Fall 2016 (4 th Term)	280.350) Johns Hopkins University Health, Baltimore, MD
Fall 2017 (1 st Term)	“Race and Health” <i>Fundamentals of Health, Behavior and Society, Department of Health, Behavior and Society (HBS 410.600.01)</i> Johns Hopkins Bloomberg School of Public Health, Department of Health Behavior and Society, Baltimore, MD
Fall 2016 (3 rd Term)	“Exploring Social Factors that ‘Get Under the Skin’ for Cancer and HIV/AIDS” <i>Current Topics in Epidemiological Research, Department of Epidemiology (EPI 340.860.01)</i> Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

RESEARCH GRANT PARTICIPATION

Current Support

Assessing Gaps in HIV Pre-Exposure Prophylaxis (PrEP) Initiation and Retention using Pharmacy Claims Data

Role: Principal Investigator (Nunn, Co-PI), 16% effort, \$175,487

Agency: NIH/ National Institute of Nursing Research (NINR), Grant# R21NR018387/PA-18-271 (R21), **3/7/19-2/28/21**

This study uses the nation’s largest pharmaceutical claims database to assess the frequency with which patients choose not to pay for PrEP prescriptions at the pharmacy point-of-sale, known as a prescription reversal. The results of this first ever study of PrEP prescription reversals will guide who to target for subsequent R series intervention grants focused on increasing retention in PrEP care and can ultimately inform federal safety net programs, industry sponsored medication assistance programs.

Predicting the impact of cost on HIV pre-exposure prophylaxis uptake and racial/ethnic disparities among men who have sex with men

Role: Principal Investigator (Chan, Raifman, Co-PIs), 25% effort, \$47,706

Agency: NIH/ National Institute for Allergy and Infectious Diseases (NIAID), Grant# 1R21MH118019-01, **12/5/18-11/30/20**

Despite being a commonly reported barrier to care, little is known about the impact of out-of-pocket costs on PrEP uptake. This mixed methods and modeling study will determine the maximum out-of-pocket costs for optimal PrEP uptake in different populations including Black/African American and Hispanic/Latino MSM. The specific aims of the proposed study are to: 1) conduct 45 semi-structured interviews with MSM to explore how out-of-pocket costs may impact PrEP uptake; and 2) model the impact of co-pays, coinsurance, and deductibles on PrEP uptake.

Component A: A Multi-level Study of Community Context and Type 2 Diabetes and Coronary Heart Disease using Health Record and New Primary Data across Nested Geographies in Pennsylvania

Lorraine Tiera Dean, ScD

Role: Co-Investigator (Hirsch, Schwartz, PIs), 10% Effort (in-kind; no salary support), \$248,587

Agency: Centers for Disease Control Grant#: U01 DP006296, **9/30/2017 – 9/30/22**

This longitudinal study examines pathways between country-level social, built environment, and economic predictors of diabetes across 38 counties in the Geisinger Health System catchment area of Central Pennsylvania.

ACTIVE Cognitive Training Trial: 20-Yr Follow-up of Functioning, Health, and Dementia

Role: Co-Investigator (Willis, Rebok PIs), 5% effort (Years 3& 4), \$120,465

Agency: NIH/National Institute on Aging (NIA), Grant # R01AG05648, **7/9/17-8/18/21**

The Advance Cognitive Training for Independent and Vital Elderly (ACTIVE) randomized clinical trial (N=2,802) found that cognitive training enhanced both cognitive abilities, everyday functioning, and independent living at 5- and 10-year follow-ups. This study will provide a 20-year follow-up and examining training effects on the incidence and age of onset of Alzheimer's disease and related dementias, and the maintenance of independent functioning.

Social Determinants of Breast Cancer Survivorship

Role: Principal Investigator, 100% effort (year 1-3), 75% effort (years 4-5), \$759,489

Agency: NIH/ National Cancer Institute (NCI), Grant#: 1K01CA184288-01, **8/11/14 – 8/10/20** (no-cost extension)

This career development award provides Dr. Dean protected time to pursue independent scholarship in the social determinants of disparities in cancer survivorship. The purpose of this study is to explore the relationship between macro- (neighborhood) and micro- (individual) level social and biological risk factors for developing the persistent adverse effects of breast cancer treatment. The study also assesses the costs of disparities in adverse effects of treatment to the healthcare system and to patients. Methodologies include multi-level modeling, GIS, and economic analysis on data from breast cancer survivors who have breast cancer-related lymphedema.

Johns Hopkins Center for Health Disparities Solutions – Why Place Matters (Project 03)

Role: Co-Investigator (Gaskin, PI); 10% effort (Year 3); 14% effort (Years 4 & 5), \$912,372

Agency: NIH/National Institute for Minority Health & Health Disparities (NIMHD), Grant# U54MD00214, **9/22/02-4/30/22**

Our studies under the Why Place Matters research program found residents of minority communities had lower access to primary care and specialists and reduced use of physician, non-physician and mental health services compared to residents of majority white communities. Leveraging the comprehensive data resources developed through our research program, our team will conduct secondary analyses to explore the role of several important, but understudied, place characteristics on health care disparities.

Past Support

A Mixed-Methods Approach to Identify Barriers and Facilitators of Breast Cancer Screening and Follow-up to Screening for Black Sexual Minority Women

Role: Co-Principal Investigator (Tonia Poteat, Co-PI), 1% Effort, \$41,710

Johns Hopkins Bloomberg School of Public Health Faculty Innovation Fund, **7/1/17-6/30/19**

Lorraine Tiera Dean, ScD

Breast cancer is the most frequently diagnosed cancer in women. Data from both sexual minority women and cisgender Black women (i.e. female at birth who identifies as a woman) indicate lower use of timely screening mammography, despite higher risk of breast cancer for sexual minority women than heterosexual women and higher breast cancer mortality rates for Black than White women. However, there is a dearth of research on how the experience of simultaneous marginalization by gender, race, and sexuality impacts breast cancer screening and follow-up. To address this gap in the literature, we propose to investigate breast cancer screening behaviors and follow-up after abnormal results for Black sexual minority women. By using a mixed-methods approach to understand barriers and facilitators to screening and follow-up care, the findings will inform an intervention to reduce breast cancer disparities among Black sexual minority women.

Assessing Economic Burden of Men who have Sex with Men in the Multicenter AIDS Cohort Study

Role: Principal Investigator, 5% Effort (no salary support), \$21,876

Agency: NIH/ National Institute for Allergy and Infectious Diseases (NIAID), Grant#: P30AI094189, **1/2017 – 4/2017**

Understanding the economic challenges that arise due to HIV/AIDS management is crucial to reducing disparities in HIV treatment adherence, outcomes, and mortality. Domestically, economically burdened individuals have the highest HIV rates, with greatest mortality risk among those with fewest financial assets. Economic burden leads to differential HIV medication access, adherence, and mortality, yet how economic burden affects HIV treatment outcomes is under-explored and outdated. This longitudinal analysis explores incremental economic burden (changes in employment, income, health insurance) due to HIV/AIDS, on treatment outcomes (viral load, CD4 count) every 6 months, among 1,701 men who have sex with men (MSM) in the 2001-3 and 2010+ Multicenter AIDS Cohort Study (MACS).

Ruth L. Kirschstein (F31) National Research Service Award

Role: Principal Investigator, 100% effort, \$42,688/annual direct costs

Agency: NIH/National Cancer Institute (NCI), Grant #: 1F31CA136236-01, **9/2008-6/2010**

This pre-doctoral research award provided support for Dr. Dean's doctoral dissertation at Harvard School of Public Health on residential segregation and social capital as macro-level determinants of mental health and cancer screening health behaviors.

Dana Farber Cancer Institute Cancer Prevention Fellowship

Role: Student Fellow (Glorian Sorensen, PI), 100% Effort, \$21,000/annual direct costs

Agency: NIH/National Cancer Institute (NCI), **9/2008-12/2008**

This research award provided initial support for Dr. Dean's doctoral dissertation at Harvard School of Public Health on residential segregation and social capital as macro-level determinants of cancer screening health behaviors.

Initiative for Maximizing Student Diversity (IMSD) Graduate Study Awards

Role: Student Fellow (Louise Ryan, PI), 100% effort, \$0/annual direct costs

Agency: NIH/National Institute of General Medical Sciences (NIGMS), **9/2006-8/2008**

This pre-doctoral award supported the first two years of Dr. Dean's doctoral studies at Harvard School of Public Health. Only underrepresented racial/ethnic minorities are eligible

Lorraine Tiera Dean, ScD

for receipt of this research award.

William J. Fulbright Grant

Role: Principal Investigator, 100% effort, \$16,000

Agency: International Institute of Education, **9/2005-8/2006**

The William J. Fulbright program sponsored Dr. Dean's independent research in Venezuela to understand women's perceptions of self-breast exams.

Pending Support

ECHODAC (Environmental Influences on Child Health Outcomes Data Analysis Center)

Role: Co-Investigator (Jacobson, PI), 20% effort (Years 4 & 5), \$10,131,550

Agency: NIH, Office of the Director, Grant# 5U24OD023382-02, **9/21/16-8/31/23**

The complementary expertise and resources of Johns Hopkins University and RTI International are combined to become the Data Analysis Center (DAC) for the NIH Environmental Influences on Child Health Outcomes (ECHO) program. The ECHO program will create an extensive resource for elucidating the roles of environmental and genetic characteristics that affect child health. The JHU/RTI Data Analysis Center will advance ECHO research by providing state-of-the-art study designs and analyses, and by publicizing high quality, well-documented ECHO data to promote informative analyses by the scientific community at-large.

Identifying Cost Barriers to Breast Cancer Oral Anti-Cancer Medication Adherence

Role: Principal Investigator; 25% (Years 1-4), \$2,934,954

Agency: NIH/National Cancer Institute, Application ID: R01CA248550, **4/2020 – 3/2024**

This study uses one of the nation's largest claims database combined with patient and provider interviews to understand cost barriers to breast cancer oral-anticancer medication adherence. It examines differences in cost and non-adherence by age groups, race, geography, income and insurance. Results will provide a view of when, where and among whom costs are likely to hinder oral anti-cancer medication adherence, so that we know when, where, and on whom to intervene.

ACADEMIC SERVICE

Department of Epidemiology

2018	Epidemiology Centennial Symposium Session Co-leader
2017 - Present	Co-Founder, Epidemiology Inclusion, Diversity, Equity and Science (Epi IDEAS) Workgroup
2016 - Present	Comprehensive Examination, Proctor
2016 - Present	Diversity Advocate
2016 - Present	Faculty Sponsor, Social Epidemiology Student Organization

Schoolwide

2018 - Present	Member, JHSPH Strategic Plan Committee
2018 - Present	Co-leader, ECHO Socio-economic Position Working Group
2017 - Present	Member, Health Behavior Society Chair Search Committee
2016 - Present	Diversity Advocate Network, Johns Hopkins Bloomberg School of Public Health

University-Wide

Lorraine Tiera Dean, ScD

2020 - Present
2018 - Present

Member, Johns Hopkins University Police Accountability Board
Member, Diversity, Equity & Inclusion Pedagogy Working Group

PRESENTATIONS

Scientific Meetings [denotes mentee is first author]*

1. *Uzzi M, **Dean LT**. Credit scores as a novel measurement tool to examine violence inequities in Philadelphia, PA. Flash Science Presentation. Society for Advancement of Violence and Injury Research, Philadelphia, PA. April 2020.
2. *Greene N, Malone J, Adams MA, **Dean LT**, Poteat T. Exploring healthcare provider interactions in breast cancer screening and care among Black sexual minority women. Podium Presentation. American Public Health Association, Philadelphia, PA. November 2019. *Awarded the 2019 Walter J. Lear Award from the American Public Health Association LGBT Caucus.*
3. *Ugoji CC, **Dean LT**, Platz E. Excess Burden of Cancer Risk Factors in Racial/Ethnic minority Cancer Survivors in the United States (2005-2016). Poster Presentation. American Association for Cancer Research (AACR) Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, San Francisco, CA. September 2019.
4. *Ugoji CC, **Dean LT**, Joshu C, Platz E. Trends in the Prevalence of Cancer Risk Factors among Cancer Survivors in the United States (2005-2016). Poster Presentation. Society for Epidemiologic Research, Minneapolis, MN. June 2019.
5. Zhang Z, Rao R, **Dean LT**, Vempale S, Ojutiku O. Breast Cancer Detection in the Black/African American and Hispanic Community: Room to Improve on Screening Potential Benefit. Poster Presentation. American Roentgen Ray Society Annual Meeting, Honolulu, HI. May 2019.
6. **Dean LT**, Nonyane BAS, Ugoji CC, Visvanathan K, Jacobson LP, Lau B. Economic Burden among HIV+ and HIV- MSM in the Multicenter AIDS Cohort Study. Poster Presentation. Scientific Committee of the 23rd International Workshop on HIV and Hepatitis Observational Databases, Athens, Greece. March 2019.
7. **Dean LT**. Consumer Credit as a Novel SEP Indicator. Podium Presentation & Symposium Co-Chair. Society for Epidemiologic Research, Baltimore, MD. June 2018.
8. **Dean LT**, Luan H, Brady KA, Ransome Y. Does bankruptcy risk predict new HIV cases? A spatio-temporal analysis of the local credit economy and HIV in Philadelphia, PA. Poster Presentation. Society for Epidemiologic Research, Baltimore, MD. June 2018.
9. *Knapp E & **Dean LT**. Neighborhood credit score as a novel measure for individual obesity risk. Podium Presentation. The Obesity Society, Washington DC. November

2017. *Awarded the Top Abstract TOS Epidemiology & Population Health Section Student and Trainee Poster Competition. 2nd Place Winner in the TOS Lightning Talks.*

10. *Dougherty GB, **Dean LT**. Using theory to define a computationally tractable specification space in confirmatory factor modeling. Podium Presentation. Stata Conference, Baltimore, MD, July 2017.
11. *Knapp E & **Dean LT**. Are credit scores associated with diabetes prevalence and risk factors? Poster Presentation. Society for Epidemiologic Research Annual Meeting (SER), Seattle, WA, June 2017.
12. **Dean LT**, Schmitz KH, Frick K, Nicholas L, Zhang Y, Subramanian SV, Visvanathan K. Consumer Credit, Cancer Treatment, and Health Among Women with a History of Breast Cancer. Poster Presentation. American Association for Cancer Research Annual Meeting (AACR), Washington DC, April 2017.
13. *Swen M & Mann A, Paxton RJ, **Dean LT**. Cancer-Related Fatigue and Physical Activity Vary by Age for Black Women with a History of Breast Cancer. Poster Presentation. American Association for Cancer Research Annual Meeting (AACR), Washington DC, April 2017.
14. *Moss S, Zhang Y, **Dean LT**. Psychosocial Stress and Cognition among Long-Term Breast Cancer Survivors: The Impact of Major Lifestyle Changes. Poster Presentation. American Public Health Association (APHA) Annual Meeting & Expo, Denver, Oct/Nov 2016.
15. Ransome Y, **Dean LT**. Research on social capital and HIV outcomes in the United States: results, challenges, and future directions. Poster Presentation. 21st International AIDS Conference (IAIDS), Durban, South Africa, July 2016.
16. **Dean LT**, Moss M, Jacobs L, Subramanian SV, Schwartz S, Schmitz KH: The Burden of the Bulge: Associations Between Economic Burden and BMI Change among Women with a History of Breast Cancer. Poster Presentation. Trans-Disciplinary Research on Energetics and Cancer (TREC) Final Scientific Meeting, National Cancer Institute-Shady Grove, Rockville, MD, March 2016.
17. Lyons S, Arroyo-Johnson C, **Dean LT**, Hipp JA, Goodman, M: Racial Segregation and Obesity: A Struggle Between Your Environment and Individual Choice. Poster Presentation. Institute for Public Health's 8th Annual Conference, Washington University in St. Louis, St. Louis, MO, November 2015.
18. **Dean LT**, Kumar A, Kim T, Herling M, Brown J, Zhang Z, Evangelisti M, Alford R, Cheville A, Troxel A, Schwartz S, Schmitz KH: Race or Resource?: Differences in Lymphedema Severity among Obese Breast Cancer Survivors. Poster Presentation.

Trans-Disciplinary Research on Energetics and Cancer (TREC) November Scientific Meeting, Fred Hutchinson Cancer Research Center, Seattle, WA, September 2015.

19. **Dean LT**, DeMichele A, Li SQ, Colameco CB, Stephens AJ, Coursey M, Mao J: Racial Differences in Upper Extremity Disability for Breast Cancer Survivors. Poster Presentation. American Society of Clinical Oncology (ASCO) Annual Meeting, Chicago, IL, May 2015.
20. **Dean LT**, Zhang X, Latif N, Giuntoli R, Kim S, Shalowitz D, Stashwick C, Burger R, Morgan M, Ko E, Schmitz KH: Race-based disparities in loss of functional independence after uterine cancer. Poster Presentation. American Association for Cancer Research (AACR) Annual Meeting 2015, Philadelphia, PA, April 2015.
21. Zhang Z, O'Malley, BW, Brown JC, Bauml J, **Dean LT**, Weinstein GS, Schmitz, K: Effect of HPV on Post-Treatment Weight in Head and Neck Squamous-Cell Carcinoma: A Pilot Study. Poster Presentation. Annual Meeting of the American Academy of Otolaryngology - Head and Neck Surgery Foundation, Orlando, FL, September 2014.
22. Zhang Z, Brown JB, Weinstein GS, Bauml J, **Dean LT**, O'Malley BW, Schmitz KH: The effects of underweight and obesity at diagnosis on the risk of head and neck cancer recurrence. Poster Presentation. International Federation of Head and Neck Oncologic Societies (IFHNOS) 2014 5th World Congress and American Head and Neck Society (AHNS) Annual Meeting, New York, NY, July 2014.
23. Lynch S, **Dean LT**, Heroux M, Bauer T, Sturgeon K, Palmer ED, Leonard M, Sarwer D, Jacobs L, Schmitz KH: Project Hope: Internet-based Eating and Exercise for BRCA+ Survivors to Address Heart and Bone Health. Basser Center for BRCA1/2 Research Conference, Philadelphia, PA, May 2014.
24. **Dean LT**, Mitchell J, Rebbeck T, Gehlert S, Schmitz, KH: Race, Obesity, and Breast Cancer Outcomes. Trans-Disciplinary Research on Energetics and Cancer (TREC) - Center for Population Health and Health Disparities Joint Scientific Meeting, Marina Del Rey, CA, May 2014.
25. **Dean LT**, Kim T, Herling M, Brown J, Zhang Z, Evangelisti M, Alford R, Cheville A, Troxel A, Schwartz S, Schmitz KH: Preliminary Evidence of Racial/Ethnic Differences in Cancer Survivorship: The Example of Breast-Cancer Related Lymphedema. The Science of Cancer Health Disparities, American Association for Cancer Research, 2013, Atlanta, GA, December 2013.
26. **Dean LT**, Kim T, Herling M, Brown J, Zhang Z, Evangelisti M, Alford R, Cheville A, Troxel A, Schwartz S, Schmitz KH: Preliminary Evidence of Racial/Ethnic Differences in Cancer Survivorship: The Example of Breast-Cancer Related

- Lymphedema. Poster Presentation. Trans-Disciplinary Research on Energetics and Cancer (TREC) November Scientific Meeting, San Diego, CA. November 2013.
27. **Dean LT**, Subramanian SV, Williams DR, Wong D, Charles CZ, Kawachi, I: Using maps to explore the question: Does residential segregation hurt or help the mental health of African-Americans? Urban and Regional Information Systems Association (URISA) GIS and Public Health Conference, Miami, FL. June 2013.
28. Fitzgerald E, Cannuscio C, Mallya G, **Dean LT**, Solomon S: Community-generated policy recommendations regarding the urban nutrition and tobacco environments: results from a photo-documentation study in Philadelphia. Poster Presentation. 20th Annual Meeting of the Society for Prevention Research, Washington, DC. May 2012.
29. Parvanta S, Gibson L, Cappella J, **Dean LT**, Freres D, Forquer H, Lerman C, Mallya G, Johnson M, Tan A, Hornik R: Formative Research for the Philadelphia Anti-Smoking Media Campaign: Finding key beliefs that may increase adult smokers' intentions to quit with help. Poster Presentation. 139th Meeting & Exposition of the American Public Health Association (APHA), Washington, DC. October 2011.
30. Mallya G, Feyler N, Solomon S, **Dean LT**, Winkler R, Johnson T: Sugary drinks and smoking: Changing norms and behavior through theory-based, data-driven social marketing campaigns in Philadelphia. Poster Presentation. 139th Meeting & Exposition of the American Public Health Association (APHA), Washington, DC. October 2011.
31. Gibson L, Shapiro D, Forquer H, Cappella J, Hornik R, **Dean LT**, Mallya G: Choosing between ads for youth health promotion campaign: Using theory and evidence to guide pre-testing and evaluation. Poster Presentation. 139th Meeting & Exposition of the American Public Health Association (APHA), Washington, DC. October 2011.
32. Gurmankin A, Ubel PA, Badler A, **Dean LT**, Coyne J, Armstrong KA: Long-term Consequences of Difficulty with Treatment Decisions for Localized Prostate Cancer. Poster Presentation. American Society of Preventive Oncology. 2004.

Invited Seminars

- | | |
|-----------|--|
| Mar, 2020 | “Doing <i>Breast Cancer</i> Research in Unique Populations”
NCI Division of Cancer Epidemiology and Genetics Fellows’
Symposium, National Cancer Institute, Bethesda, Maryland |
| Mar, 2020 | TBD
Health Disparities Research Section of the Laboratory of
Epidemiology and Population Sciences, National Institute on Aging,
Baltimore, Maryland |
| Jan, 2020 | “Living Social Responsibility through Translation of Open Science
Values”
2 nd Katherine E. Welsh Symposium on Graduate Education in the |

- Oct, 2019 Era of Open Science, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
“Social & Economic Determinants of Breast Cancer Survivorship”
Cancer Outcomes, Public Policy, and Effectiveness Research (COPPER) Center, Yale University, New Haven, CT
- Jul, 2019 “Consumer Credit as a Novel Marker of Health”
Summer Undergraduate Minority Research Program’s 20th Anniversary Conference, Leonard Davis Institute, University of Pennsylvania, Philadelphia, PA
- Apr, 2019 “Consumer Credit and Other Long-Term Costs after Breast Cancer”
Sloane Epidemiology Center, Boston University School of Medicine, Boston, MA
- Feb, 2019 “Long-Term Economic Burden of Breast Cancer and its Adverse Effects”
Cancer Control & Population Health seminar, University of Virginia Cancer Center, Charlottesville, VA
- Feb, 2018 “Multi-level Social and Economic Determinants of Chronic Disease”
Health Equity Jam Session, Johns Hopkins Center for Health Equity, Baltimore, MD
- Nov, 2017 “Consumer Credit and Cancer-Related Financial Toxicity for Long-term Breast Cancer Survivors with Adverse Treatment Effects”
City of Hope National Medical Center, Duarte, CA
- Nov, 2017 “Introduction to Social Determinants of Health”
Fundamentals of Epidemiology Course at Homewood
Johns Hopkins University, Baltimore, MD
- Sep, 2017 “Race and Health”
Johns Hopkins Bloomberg School of Public Health, Department of Health Behavior and Society, Baltimore, MD
- Mar, 2017 “Social & Economic Factors that ‘Get Under the Skin’ for Breast Cancer Screening & Survivorship”
Fred Hutchinson Cancer Center, Seattle, WA
- Feb, 2017 “Social Factors that ‘Get Under the Skin’ for Cancer Screening & Survivorship”
Drexel University Dornsife School of Public Health, Philadelphia, PA
- Feb, 2017 “Social Capital and Health”
NYU Abu Dhabi University & College,
New York University, United Arab Emirates
- Dec, 2016 “Mixed Methods Analysis of Economic Burden after Breast Cancer: Research in Progress”
Cancer Outcomes and Health Services Risk Interest Group (BLOCS), Department of General Internal Medicine,
Johns Hopkins Medicine, Baltimore, MD
- Dec, 2016 “Exploring Social Factors that ‘Get Under the Skin’ for Cancer and HIV/AIDS”
The University of Texas at Austin School of Social Work, Austin,

	TX
Nov, 2016	“Introduction to Social Determinants of Health” Fundamentals of Epidemiology Course at Homewood Johns Hopkins University, Baltimore, MD
Oct, 2016	“Assessing Economic Burden of MSM in the MACS” CFAR Social and Behavioral Sciences Research Network (SBSRN)
Sept, 2016	“Mentoring the Next Generation” Workshop, Miami FL “Exploring Social Factors that ‘Get Under the Skin’ for Cancer and HIV/AIDS” Epidemiology Seminar Series, Department of Epidemiology Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
Mar, 2016	“Update on Project 3: Breast Cancer-Related Lymphedema: Cost of Illness and Cost Effectiveness of Alternative Management Strategies” National Cancer Institute, Rockville, MD
Nov, 2015	“Inside Out: From Chronic Disease Policy to Social Determinants Research” University of California – Los Angeles School of Public Health, Department of Health Policy and Management, Los Angeles, CA
Oct, 2015	"Race or Resource? Social Determinants of Cancer Screening and Survivorship" Case Western Reserve University, School of Medicine, Cleveland, OH
Aug, 2015	"Race or Resource? Social Determinants of Cancer Screening and Survivorship" Huntsman Cancer Institute, Salt Lake City, UT
Mar, 2015	"Social Determinants of Cancer Disparities: From Screening to Survivorship" Rollins School of Public Health at Emory University, Atlanta, GA
Jan, 2015	"Social Determinants of Cancer Disparities: From Screening to Survivorship" Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
Dec, 2014	"Living a 'Well-Adjusted' Life: Disparities in the Adverse Effects of Breast Cancer Treatment” Temple University College of Public Health, Division of Epidemiology/Biostatistics, Temple University
Dec, 2014	"Lessons at the Intersection of Public Health and Education", Mayor’s Office of Education, Philadelphia, PA
Dec, 2014	"Lessons at the Intersection of Public Health and Education", Project Forward Leap Education Policy Forum: Empowering Students for Achievement, Philadelphia, PA
Nov, 2014	"Methods for Exploring and Addressing the Social Determinants of Cancer Survivorship" Harvard School of Public Health, Boston, MA
Oct, 2014	"Racial/Ethnic Disparities in the Adverse Effects of Breast Cancer Treatment", Washington University in St. Louis, St. Louis, MO

Lorraine Tiera Dean, ScD

- Oct, 2014 "Living a "Well-Adjusted" Life: Race or Resource? Disparities in the Adverse Effects of Breast Cancer Treatment"
Brain, Behavior and Cancer Seminar Series, University of Pittsburgh Cancer Institute, Pittsburgh, PA
- Dec, 2013 "Race, Place, and Distrust as Determinants of Cancer Treatment and Survivorship"
American Cancer Society Epidemiology Division, Atlanta, GA
- Nov, 2013 "The Role of Race and 'Waist' on Breast Cancer Survivorship: Preliminary Results"
University of California San Diego Department of Family & Preventive Medicine, San Diego, CA
- Oct, 2013 "Does Residential Segregation Hurt or Help the Health of African-Americans?"
Northwestern University Department of Psychiatry, Chicago, IL
- Mar, 2012 "Get Healthy Philly", Health Policy Seminar
University of Pennsylvania, Philadelphia, PA
- Feb, 2012 "Get Healthy Philly", Tobacco Prevention
University of Pennsylvania, Philadelphia, PA
- Oct, 2011 "Philadelphia Tobacco Control: Public Health Programming and Evaluation"
Thomas Jefferson University, Philadelphia, PA
- May, 2011 "Assessing Social Capital in Southeastern Pennsylvania"
Public Health Management Corporation, Philadelphia, PA
- Apr, 2011 "Why do we do the things we do? Policy, Public Health and Prevention"
University of Medicine and Dentistry of New Jersey, Stratford, NJ

ADDITIONAL INFORMATION

Personal statement of research and practice goals, objectives and impact

As a social epidemiologist, the focus of my work is on the social determinants of disparities in chronic disease risk and outcomes. Methodologically, I use quantitative (longitudinal analysis, multi-level modeling, GIS, propensity scores) and qualitative methods to explore how area-level and individual-level socioeconomic factors influence health disparities in cancer and HIV and associated long-term economic burden of these diseases. My long-term goal is to identify which social determinants can be used to identify risk of adverse outcomes for cancer and HIV survivors, and how to intervene on these factors (when appropriate) to prevent or mitigate adverse outcomes after chronic disease.

My expertise in working with hundreds of diverse chronic disease patients is rooted in my academic work, but has also extends beyond that to my policy work. My earliest academic work was as part of the team conducting mixed methods research to identify the constructs of healthcare system distrust that are relevant for underrepresented minorities. Since then, I have been PI on a Ruth Kirchstein National Research Service Award (NIHF31) to explore the relative contribution of contextual- and individual-level determinants of cancer screening for African-Americans, PI on a Fulbright Grant to explore women's perceptions of self-breast exams in Venezuela, and am currently PI on a K01 observational study exploring social and economic disparities in breast cancer survivorship outcomes for breast cancer survivors and co-PI on a Faculty Innovation Fund study exploring cancer screening perceptions among Black sexual

Lorraine Tiera Dean, ScD

minority women. I have developed several HIV-related projects that parallel my work on economic burden and cancer: in 2016, I was awarded a Center for AIDS Research pilot grant to conduct a longitudinal analysis of economic burden among men who have sex with men (MSM) in the Multi-Center AIDS Cohort Study. More recently, I am co-PI on two NIH R21s that focus on understanding the optimal costs at which patients would uptake HIV pre-exposure prophylaxis and another which uses pharmaceutical claims data to assess the extent to which patients fail to fill HIV pre-exposure prophylaxis prescriptions due to cost.

The public health impact of my work is highlighted in top peer-reviewed articles for the fields of cancer (e.g., *Cancer*); HIV/AIDS (e.g., *JAIDS, AIDS & Behavior*); public health (e.g., *AJPH; AJPM*); and social epidemiology (e.g., *Social Science and Medicine*), as well as in major media outlets including *Forbes*, and the *Chicago Tribune*. I continue to show my public health impact through policy-relevant research. Prior to my academic career, I served as Manager of the Tobacco Policy & Control Program for the Philadelphia Department of Public Health. Through my policy work resulting in 40,000 fewer smokers and permanent legislative changes affecting 1.5 million residents of Philadelphia, my efforts have moved the needle toward better health for populations and I returned to academia to be part of building the evidence base for equitable health policies and programs. My multi-disciplinary background has equipped me with tools to translate my research into policy and practice. For example, on behalf of the Sidney Kimmel Cancer Center (where I have a joint appointment), I organized and drafted a letter to the US Congress in support of the Lymphedema Treatment Act. The letter included evidence from research out of my lab on reducing costs of care for adverse effects of breast cancer, after which the Maryland Representatives to the US Congress signed on to the legislation, which was passed in the House of Representatives in 2019 (H.R. 3). Rooted in my policy experience and consequentialist orientation, my research seeks to identify and intervene on economic barriers to healthcare for individuals and populations through policies and programs.

Keywords: social epidemiology, social determinants, breast cancer, survivorship, HIV/AIDS, health disparities