

CURRICULUM VITAE

Donna Spiegelman

Department of Biostatistics
Yale School of Public Health
135 College Street
Suite 200, Rm. 228
New Haven, CT 06510
(617) 835-5119
donna.spiegelman@yale.edu

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Education

Doctor of Science in Biostatistics and Epidemiology, Harvard School of Public Health, 1989
Thesis Topic: The design and analysis of epidemiologic investigations in the presence of errors in the measurement and classification of the exposure variable, with special attention to the mismeasurement of obesity.
Master of Science, Harvard School of Public Health, 1985 in Biostatistics
Bachelor of Arts, Cum Laude, Brandeis University, 1977

Professional Experience

Yale School of Public Health, New Haven, CT

Susan Dwight Bliss Professor of Biostatistics, 2018-
Professor, Department of Statistics and Data Science, Yale University, 2018-
Founding Director, Center for Methods in Implementation and Prevention Science (CMIPS), 2018-
Assistant Director, Global Oncology, Yale Cancer Center, 2018-
Director, Center for Interdisciplinary Research on AIDS (CIRA), Interdisciplinary Research Methods Core, 2018-
Project Director, Yale R3EDI: Rigorous, Rapid and Relevant Evidence aDaptation and Implementation to Ending the HIV Epidemic Implementation Science Hub, 2020-

Harvard T.H. Chan School of Public Health, Boston, MA

Professor Emerita of Epidemiologic Methods, Departments of Epidemiology, Biostatistics, Nutrition, and Global Health, 2018-
Professor of Epidemiologic Methods, Department of Global Health and Population, 2014-2018
Professor of Epidemiologic Methods, Department of Nutrition, 2013-2018
Professor of Epidemiologic Methods, Departments of Epidemiology and Biostatistics, 2002-2018
Associate Professor of Epidemiology and Biostatistics, 1995-2002
Assistant Professor of Epidemiology and Biostatistics, 1992-1995
Assistant Professor of Epidemiology (Adjunct), 1989-1992

Brigham and Women's Hospital and Harvard Medical School, Boston, MA

Senior Biostatistician, Channing Division of Network Medicine, Department of Medicine, 2013-2018
Pre-doctoral Fellow in Clinical Epidemiology, The Channing Laboratory, 1987-1989

Tufts University School of Medicine, Boston, MA

Adjunct Associate Professor (Biostatistics and Epidemiology), Biometry Division, Department of Community Health, 1997-2017

Adjunct Assistant Professor (Biostatistics and Epidemiology), Biometry Division, Department of Community Health, 1992-1997

Assistant Professor (Biostatistics and Epidemiology), Biometry Division, Department of Community Health, 1989-1992

Numerous consultancies to individual researchers and governmental agencies on the local, national, and international levels.

Publications

1. Regan M, Cheng C, Mboggo E, Larson E, Lema IA, Magesa L, Machumi L, Ulenga N, Sando D, Mwanyika-Sando M, Barnhart DA, Hong B, Mungure E, Li N, Siril H, Mujinja P, Naburi H, Kilewo C, Ekström AM, Geldsetzer P, Fawzi W, Bärnighausen T, Sudfeld CR, Spiegelman D. The impact of a community health worker intervention on uptake of antenatal care: a cluster-randomized pragmatic trial in Dar es Salaam. *Health Policy Plan*. 2022 Nov 15;czac100.
2. Humphries DL, Rhodes EC, Simon CL, Wang V, Spiegelman D, Ott C, Hicks D, Marcus JL, Krakower D, Rana A. Using Health Care Professionals' Perspectives to Refine a Clinical Decision Support Implementation Strategy for Increasing the Prescribing of HIV Preexposure Prophylaxis (PrEP) in Alabama. *Journal of the International Association of Providers of AIDS Care (JIAPAC)*. 2022;21:23259582221144451.
3. Mattei J, Díaz-Alvarez CB, Alfsonso C, O'Neill HJ, Ríos-Bedoya CF, Malik VS, Godoy-Vitorino F, Cheng C, Spiegelman D, Willett WC, Hu FB, Rodríguez-Orengo JF. Current Developments in Nutrition. 2022 Dec, Accepted
4. Saranjav A, Parisi C, Zhou X, Dorjnamjil K, Samdan T, Erdenebaatar S, Chuluun A, Dalkh T, Ganbaatar G, Brooks MB, Spiegelman D, Ganmaa D, Davis JL. Assessing the quality of tuberculosis care using routine surveillance data: a process evaluation employing the Zero TB Indicator Framework in Mongolia. *BMJ Open*. 2022 Aug 16;12(8):e061229.
5. Heo S, Son JY, Lim CC, Fong KC, Choi HM, Hernandez-Ramirez RU, Nyhan K, Dhillon PK, Kapoor S, Prabhakaran D, Spiegelman D, Bell ML. Effect modification by sex for associations of fine particulate matter (PM2.5) with cardiovascular mortality, hospitalization, and emergency room visits: systematic review and meta-analysis. *Environ Res Lett*. 2022 May;17(5):053006. PMCID: PMC9162078.
6. Cheng C, Spiegelman D, Li F. Is the Product Method More Efficient Than the Difference Method for Assessing Mediation? *Am J Epidemiol*. 2023 Jan 6;192(1):84-9.
7. Lee C, Kushi LH, Reed ME, Eldridge EH, Lee JK, Zhang J, Spiegelman D. Impact of the Affordable Care Act on Colorectal Cancer Incidence and Mortality. *Am J Prev Med*. 2022 Mar;62(3):387-394. .
8. Rakesh PS, Renjini BA, Mohandas S, Menon J, Numpelil M, Beena KV, Ved RR, Danaei G, Spiegelman D. Effectiveness of a community-based education and peer support led by women self-help groups in improving the control of hypertension in urban slums of Kerala, India: a cluster randomised pragmatic trial. *BMJ Global Health*. 2022 Nov; 7 (11).
9. Shrestha A, Tamrakar D, Shrestha B, Karmacharya BM, Shrestha A, Pyakurel P, Spiegelman D. Stakeholder engagement in a hypertension and diabetes prevention research program: Description and lessons learned. *PLoS One*. 2022 Oct 20;17(10):e0276478.
10. Kirkpatrick SI, Troiano RP, Barrett B, Cunningham C, Subar AF, Park Y, Bowles HR, Freedman LS, Kipnis V, Midthune D, Rimm EB, Stampfer MJ, Willett WC, Potischman N, Rosner BA, Spiegelman D, Baer DJ, Schoeller DA, Dodd KW. Measurement error affecting web- and paper-based dietary assessment instruments: Insights from the Multi-Cohort Eating

- and Activity Study for Understanding Reporting Error. Am J Epidemiol. 2022 May 20;191(6):1125-1139.
11. Stuart JJ, Tanz LJ, Rimm EB, Spiegelman D, Missmer SA, Mukamal KJ, Rexrode KM, Rich-Edwards JW. Cardiovascular Risk Factors Mediate the Long-Term Maternal Risk Associated With Hypertensive Disorders of Pregnancy. J Am Coll Cardiol. 2022 May 17;79(19):1901-1913.
 12. Cheng E, Lee DH, Tamimi RM, Hankinson SE, Willett WC, Giovannucci EL, Eliassen AH, Stampfer MJ, Mucci LA, Fuchs CS, Spiegelman D. Long-Term Survival and Causes of Death After Diagnoses of Common Cancers in 3 Cohorts of US Health Professionals. JNCI Cancer Spectr. 2022 Mar 2;6(2).
 13. Cheng E, Ou FS, Ma C, Spiegelman D, Zhang S, Zhou X, Bainter TM, Saltz LB, Niedzwiecki D, Mayer RJ, Whittom R, Hantel A, Benson A, Atienza D, Messino M, Kindler H, Giovannucci EL, Van Blarigan EL, Brown JC, Ng K, Gross KP, Meyerhardt JA, Fuchs CS. Diet- and Lifestyle-Based Prediction Models to Estimate Cancer Recurrence and Death in Stage III Colon Cancer Patients (CALGB 89803/Alliance) Journal of Clinical Oncology, 2022 Mar 1;40(7):740-751.
 14. Gyawali P, Tamrakar D, Shrestha A, Shrestha H, Karmacharya S, Bhattarai S, Bhandari N, Malik V, Mattei J, Spiegelman D, Shrestha A. Consumer acceptance and preference for brown rice-A mixed-method qualitative study from Nepal. Food Sci Nutr. 2022 Mar 4;10(6):1864-1874.
 15. Andersen CT, Duggan CP, Manji K, Seage GR, Spiegelman D, Perumal N, Ulenga N, Fawzi WW. Iron supplementation and paediatric HIV disease progression: a cohort study among children receiving routine HIV care in Dar es Salaam, Tanzania. Int J Epidemiol. 2022 Oct 13;51(5):1533-154.
 16. Isehunwa O, Warner E, Spiegelman D, Zhang Y, Palmer JR, Kanaya AM, Cole SA, Tworoger SS, Shields LO, Gu Y, Kent BV, De Vivo, I, Shields AE. Depression, religiosity, and telomere length in the Study of Stress, Spirituality, and Health (SSSH). Int J Ment Health Addict. 2022 Jun;20(3):1465-1484.
 17. Buchanan A, Hernandez-Ramirez RU, Lok J, Vermund S, Friedman SR, Spiegelman D. Assessing Direct and Spillover Package Component Effects in Network-Randomized Studies. medRxiv 2022.03.24.22272909.
 18. Shelby T, Schenck C, Weeks B, Goodwin J, Hennein R, Zhou X, Spiegelman D, Grau LE, Niccolai L, Bond M, Davis JL. Lessons learned from COVID-19 contact tracing during a public health emergency: a prospective implementation study. Frontiers in Public Health. 2021 Aug 20;9:721952.
 19. Chen J, Zhou X, Li F, Spiegelman D. swdpwr: A SAS macro and an R package for power calculations in stepped wedge cluster randomized trials. Computer Methods and Programs in Biomedicine. 2022 Jan;213:106522.
 20. Chen X, Chang J, Spiegelman D, Li F. A Bayesian approach for estimating the partial potential impact fraction with exposure measurement error under a main study/internal validation design. Stat Methods Med Res. 2022 Mar;31(3):404-418.
 21. Molemans M, Reis R, Shabalala F, Dlamini N, Masilela N, Simelane N, Pell C, Chao A, Spiegelman D, Vernooij E, Van Leth F. Traditional and complimentary care used by people living with HIV on antiretroviral therapy in Eswatini: a mixed methods study. HIV Med. 2021 Oct; 22(3): 292.
 22. Wong BHW, Lee J, Spiegelman D, Wang M. Estimation and inference for the population attributable risk in the presence of misclassification. Biostatistics. 2021;22(4):805-818.
 23. Cheng C, Spiegelman D, Li F. Estimating the natural indirect effect and the mediation proportion via the product method. BMC Medical Research Methodology. 2021 Nov 20;21(1):253.
 24. Cheng C, Spiegelman D, Wang Z, Wang M. Testing Gene-Environment Interactions in the Presence of Confounders and Mismeasured Environmental Exposures. G3: Genes, Genomes, Genetics. 2021 Sep 27;11(10):jkab236.

25. Isehunwaa OO, Warner ET, Spiegelman D, Huangg T, Tworoger SS, Kenta BV, Shields AE. Religion, spirituality and diurnal rhythms of salivary cortisol and dehydroepiandrosterone in postmenopausal women. *Comprehensive Psychoneuroendocrinology*. 2021 Aug;7:100064.
26. Boeke CE, Khan S, Walsh F, Lejeune C, Hettema A, Spiegelman D, Okello V, Bärnighausen T. Longitudinal analysis of client appointment adherence under Universal Test and Treat strategy: a stepped-wedge trial. *HIV Medicine*. 2021;22(9):854-859.
27. Stern D, Blanco I, Olmos LA, Valdivia JJ, Shrestha A, Mattei J, Spiegelman D. Facilitators and barriers to healthy eating in a worksite cafeteria: a qualitative study. *BMC Public Health*. 2021;21(1):973.
28. Cheng E, Blackburn HN, Ng K, Spiegelman D, Irwin ML, Ma X, Gross CP, Tabung FK, Giovannucci EL, Kunz PL, Llor X, Billingsley K, Meyerhardt JA, Ahuja N, Fuchs CS. Analysis of Survival Among Adults With Early-Onset Colorectal Cancer in the National Cancer Database. *JAMA Netw Open*. 2021 Jun 1;4(6):e2112539Nevo D, Lok J, Spiegelman D. Analysis of "Learn-As-You-Go" (LAGO) Studies. *Annals of Statistics*. 2021; 49(2): 793-819 Apr. PMCID: PMC9067111
29. Iheanacho T, Nduanya UC, Slinkard S, Ogidi AG, Patel D, Itanyi IU, Naeem F, Spiegelman D, Ezeanolue EE. Utilizing a church-based platform for mental health interventions: exploring the role of the clergy and the treatment preference of women with depression. *Global Mental Health*. 2021 Feb;8:e5.
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31. Naslund JA, Tugnawat D, Anand A, Cooper Z, Dimidjian S, Fairburn CG, Hollon SD, Joshi U, Khan A, Lu C, Mitchell L, Muke S, Nadkarni A, Ramaswamy R, Restivo JL, Shrivastava R, Singh A, Singla DR, Spiegelman D, Bhan A, Patel V. Digital training for non-specialist health workers to deliver a brief psychological treatment for depression in India: Protocol for a three-arm randomized controlled trial. *Contemporary Clinical Trials*. 2021 Mar; 102:106267.
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33. Stroope S, Kent BV, Zhang Y, Spiegelman D, Kandula NR, Schachter AB, Kanaya A, Shields AE. Mental health and self-rated health among U.S. South Asians: the role of religious group involvement. *Ethn Health*. 2022 Feb;27(2):388-406
34. Andersen CT, Tadesse AW, Bromage S, Fekadu H, Hemler EC, Passarelli S, Spiegelman D, Sudfeld CR, Worku A, Berhane Y, Fawzi WW. Anemia Etiology in Ethiopia: Assessment of Nutritional, Infectious Disease, and Other Risk Factors in a Population-based Cross-sectional Survey of Women, Men, and Children. *Journal of Nutrition*. 2022 Feb 8;152(2):501-512.
35. Brault MA, Vermund SH, Aliyu MH, Omer SB, Clark D, Spiegelman D. Leveraging HIV Care Infrastructures for Integrated Chronic Disease and Pandemic Management in Sub-Saharan Africa. *Int J Environ Res Public Health*. 2021 Oct 13;18(20):10751.
36. Hagaman A, Rhodes EC, Nyhan K, Katague M, Schwartz A, Spiegelman D. How are qualitative methods used in implementation science research? A systematic scoping review protocol. *JBIS Evid Synth*. 2020 Dec 14. doi: 10.111124/JBIES-20-00120. Epub ahead of print.
37. Naicker A, Shrestha A, Joshi C, Willett W, Spiegelman D. Workplace cafeteria interventions to promote health eating among adults: A systematic review. *Preventive Medicine Reports*. 2021;22:101333.
38. Torres-Ibarra L, Lorincz AT, Wheeler CM, Cuzick J, Hernández-López R, Spiegelman D, León-Maldonado L, Rivera-Paredes B, Méndez-Hernández P, Lazcano-Ponce E, Salmerón J.

- Adjunctive testing by cytology, p16/Ki-67 dual-stained cytology or HPV16/18 E6 oncoprotein for the management of HPV16/18 screen-positive women. International Journal of Cancer. 2021 May 1;148(9):2264-2273.
39. Bhattacharai S, Aryal A, Pyakurel M, Bajracharya S, Baral P, Citrin D, Cox H, Dhimal M, Fitzpatrick A, Jha AK, Jha N, Karmacharya BM, Koju R, Maharjan R, Oli N, Pyakurel P, Sapkota BP, Shrestha R, Shrestha S, Spiegelman D, Vaidya A, Shrestha A. Cardiovascular disease trends in Nepal - An analysis of global burden of disease data 2017. Int J Cardiol Heart Vasc. 2020 Jul 31;30:100602International Journal of Cardiology Heart & Vasculature. 2020 Oct; 30:100602.
40. Bellows AL, Spiegelman D, Du S, Jaacks LM. The Association of Cooking Fuel Use, Dietary Intake, and Blood Pressure among Rural Women in China. Int J Environ Res Public Health. 2020 Jul 30;17(15):5516.
41. Ganmaa D, Uyanga B, Zhou X, Gantsetseg G, Delgerekh B, Enkhmaa D, Khulan D, Ariunzaya S, Sumiya E, Bolortuya B, Yanjmaa J, Enkhtsetseg T, Munkhzaya A, Tunsag M, Khudyakov P, Seddon J, Marais BJ, Batbayar O, Erdenetuya G, Spiegelman D, Amarsaikhan B, Tsolmon J, Martineau AR. Vitamin D supplementation to prevent Tuberculosis infection and disease. New England Journal of Medicine. 2020; 383(4):359-368.
42. Pyakurel P, Shrestha A, Karmacharya BM, Budhathoki SS, Chaudhari RK, Tamrakar D, Shrestha A, Karmacharya RM, Shrestha A, Sharma S, Sharam SK, Spiegelman D. Worksite intervention study to prevent diabetes in Nepal. BMJ Open Heart. 2020 Aug;7(2):e001236.
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44. Khan S, Spiegelman D, Walsh F, Mazibuko S, Pasipamire M, Chai B, Reis R, Mlambo K, Delva W, Khumalo G, Zwane M, Fleming Y, Mafara E, Hettema, Lejeune C, Chao A, Bärnighausen T, Okello V. Early access to antiretroviral therapy versus standard of care among HIV-positive participants in Eswatini in the public health sector: the MaxART stepped-wedge randomized controlled trial. J Int AIDS Soc. 2020 Sep; 23(9).
45. Noor RA, Abioye A, Hertzmark E, Darling AM, Aboud S, Mugusi F, Sudfield C, Spiegelman D, Fawzi W. Impaired hematological status increases the risk of mortality among HIV-infected adults initiating antiretroviral therapy in Tanzania. Journal of Nutrition. 2020 Sep 1;150(9):2375-2382.
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47. Chao A, Spiegelman D, Khan S, Walsh F, Mazibuko S, Pasipamire M, Chai B, Reis R, Mlambo K, Delva W, Khumalo G, Zwane M, Fleming Y, Mafara E, Hettema A, Lejeune C, Bärnighausen T, Okello V. Mortality under early access to antiretroviral therapy vs. Eswatini's national standard of care: the MaxART clustered randomized stepped-wedge trial. HIV Med. 2020;21(7):429-440.
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51. Brault M, Spiegelman D, Hargreaves J, Nash D, Vermund SH. Treatment as Prevention: Concepts and Challenges for Reducing HIV Incidence, JAIDS. 2019; 82(2):S104-112.

52. Spiegelman D, Lovato L, Khudyakov P, Adebamowo C, Anthony-Adebamowo S, Appel L, Beulens J, Coughlin J, Dragsted LO, Edenberg H, Eriksen JN, Estruch R, Grobbee DE, Lazo M, Gulayin P, Irazola V, Krystal J, Murray M, Rimm E, Schrieks I, Williamson J, Mukamal KJ. The Moderate Alcohol and Cardiovascular Health Trial (MACH15): Design and methods for a randomized clinical trial of moderate alcohol consumption and cardiometabolic risk. *Eur J Prev Cardiol.* 2020 Dec; 27(18):1967-1982.
53. Adeoti O, Spiegelman D, Afonne C, Falade CO, Jegede A, Oshiname FO, Gomes M, Ajayi IO. The fidelity of implementation of recommended care for children with malaria by community health workers in Nigeria. *Implementation Science.* 2020; 15(1):13.
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55. Tamrakar D, Shrestha A, Rai A, Karmacharya BM, Malik V, Mattei J, Spiegelman D. Drivers of healthy eating in a workplace in Nepal—a qualitative study. *BMJ Open.* 2020; 10(2):e031404.
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58. Rivera-Rodriguez C, Haneuse S, Wang M, Spiegelman D. Augmented pseudo-likelihood estimation for two-phase studies. *Stat Methods Med Res.* 2020 Feb;29(2):344-358.
59. Zhou X, Liao X, Kunz LM, Normand SL, Wang M, Spiegelman D. A maximum likelihood approach to power calculations for stepped wedge designs of binary outcomes. *Biostatistics.* 2020 Jan 1;21(1):102-121.
60. Cheng E, Lee D, Tamimi RM, Hankinson S, Willett WC, Giovannucci EL, Eliassen H, Tworoger S, Meir S, Mucci LA, Fuchs CS, Spiegelman D. Long-term cancer survival in cohorts of US health professionals. *Journal of Clinical Oncology.* 2020;38(15).
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63. Torres-Ibarra L, Cuzick J, Lorincz AT, Spiegelman D., Lazcano-Ponce E, Franco EL, Moscicki AB, Mahmud SM, Wheeler CM, Rivera-Paredes B, Hernandez-Lopez R, Leon-Maldonado L, Salmeron J for the FRIDA Study Group. Comparison of HPV-16 and HPV-18 genotyping and cytological testing as triage testing within Human Papillomavirus-based screening in Mexico. *JAMA Network Open.* 2019 Nov 1;2(11):e1915781.
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66. Agami S, Zucker DM, Spiegelman D. Estimation in the Cox survival regression model with covariate measurement error and a changepoint. *Biometrical Journal*. 2020; 62(5):1139-1163.
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34. Chan CE, Zepeda-Tello R, Camacho-Garcia-Formenti D, Cudhea F, Meza R, Rodrigues E, Spiegelman D, Barrientos-Gutierrez T, Zhou X. Nonparametric Estimation of the Potential Impact Fraction and the Population Attributable Fraction with Individual-Level and Aggregated Data. arXiv, 2022. arXiv:2207.03597
35. Song M, Zhou X, Pazaris M, Spiegelman D. The missing covariate indicator method is nearly valid almost always. arXiv 2021. arXiv.211.00138.
36. Tang W, Spiegelman D, Liao X, Wang M. Causal Selection of Covariates in Regression Calibration for Mismeasured Continuous Exposure. 2022. Preprint arXIV.2212.007
37. Basagana, X. and Spiegelman, D. The Design of Observational Longitudinal Studies. arXiv 2022. Preprint arXiv.2209.12129.
38. Buchanan AL, Hernández-Ramírez RU, Lok J, Vermund SH, Friedman SR, Spiegelman D. Assessing Direct and Spillover Effects of Intervention Packages in Network-Randomized Studies. medRxiv. 2022:2022.2003.2024.22272909.

Manuscripts in Preparation

1. Hung S, Willett WC, Hankinson SE, Spiegelman D, Colditz GA, Seddon J. A prospective study of lutein and zeaxanthin intake and the risk of early age-related maculopathy.
2. Hung S, Willett WC, Seddon JM, Spiegelman D, Hankinson SE. A prospective study of dietary vitamins A, C, E, carotenoid and the risk of early age-related maculopathy.
3. Hung S, Feskanich DI, Hankinson SE, Willett WC, Seddon JM, Spiegelman D, Speizer FE, Colditz GA. A prospective study of postmenopausal hormone use and age-related macular degeneration in the Nurses' Health Study.
4. Pawlish K, Parsonnet J, Okayama A, Spiegelman D, Mueller NE, Stuver S. Helicobacter pylori infection and risk for gastric cancer mortality in the Miyazaki Cohort study, Japan.
5. Adebamowo CA, Spiegelman D, Berkey CS, Frazier AL, Rockett HH, Colditz GA, Willett WC. Dietary dairy and fat intake and age at onset of menarche.
6. Cho E, Spiegelman D, Hunter DJ, Anderson K, Beeson WL, Buring JE, van den Brandt P, Cross A, Chao A, Fraser GE, Freudenheim JL, Giovannucci EL, Goldbohm RA, Graham S, Kato I, Krogh V, Larsson S, Limburg P, McCullough M, Miller AB, Pietinen P, Rohan TE, Schatzkin A, Sieri S, Virtamo J, Willett WC, Wolk A, Zhang S, Zeleniuch-Jacquotte A, Smith-

- Warner SA. Meat and fat intake and risk of colon cancer: a pooled analysis of 14 cohort studies.
7. Rivas-Tumanyan S, Spiegelman D, Rexrode K, Manson J, Willett WC, Joshipura K. Endothelial Dysfunction Markers and Incident Ischemic Stroke in Women.
 8. Männistö S, Spiegelman D, Li R, Hunter DJ, Albanes D, Bernstein L, Van den Brandt PA, Buring JE, Cho E, Giles G, Horn-Ross PL, Marshall JR, Rohan TE, Ross J, Schouten LJ, Willett WC, Wolk A, Smith-Warner SA. Anthropometric factors and risk of renal cell cancer in a pooled analysis of 13 cohort studies.
 9. Alessa HB, Malik VS, Wedick NM, Campos H, Spiegelman D, Barake R, Behbehani K, Hu FB. Perception, barriers and motivators to substituting refined carbohydrate staples of the Kuwaiti diet with whole grains.
 10. Liao X, Fitzgerald K, Spiegelman D. Variable Selection for Multivariate Regression Calibration with Error-prone and Error-free Covariates.
 11. Banay RF, James P, Hart JE, Spiegelman D, Kubzansky LD, Spengler JD, Laden F. Residential Greenness Not Associated with Incident Overweight or Obesity in a Population of Adult Women.
 12. Eyal N, Wikler D, Spiegelman D, Bärnighausen T. The distinctive ethics of health policy trials.
 13. Cao Y, Stampfer MJ, Willett WC, Spiegelman D, Manson JE, Rimm EB, Hur C, Wang M, Ogino S, Fuchs CS, Giovannucci EL, Chan AT. The Association of Long-Term Aspirin Use with Total and Cause-specific Mortality.
 14. Fung TT, Hunter DJ, Spiegelman D, Colditz GA, Speizer FE, Willett WC. Dietary fat and the risk of basal cell carcinoma in women.
 15. Zhou X, Spiegelman D, Cole S, Tworoger S, Shields A. Evaluating the Influence of Religion and Spirituality on Diverse Health Outcomes Using Machine Learning Techniques.
 16. Kanade A, Puntambekar N, Pednekar M, Naicker A, Shrestha A, Rhodes E, Spiegelman D. Effectiveness of a worksite multi-component canteen and behavioral intervention on cardiometabolic risk in India: Design and Protocol.
 17. Dickert N, Menash G, Fenton K, Spiegelman, D. NHLBI Ethics Workshop Report.
 18. Liu L, Xu D, Desai M, Spiegelman. Use of Implementation Frameworks to Facilitate the Implementation of a Stroke Management Guideline in the Traditional Chinese Medicine Hospitals in China: Protocol for a Factorial Randomized Controlled Trial.
 19. Tang W, Spiegelman D, Liao X, Wang M. Causally select covariates in regression calibration for mismeasured continuous exposure – Part 2.
 20. Tang W, Spiegelman D, Wang M. Causal Selection of Covariates in Regression Calibration for Mismeasured Continuous Environmental Exposure.
 21. Cheng C, Spiegelman D, Li F. Mediation analysis with exposure measurement error under main study/validation study designs.
 22. Roscoe C, Xu L, Lee J, Spiegelman D, Hart JE, Laden F, Wang M, James P. Addressing Geographic Uncertainty: Greenness and Depression Incidence in a Nationwide US Prospective Cohort of Women.
 23. Harkness A, Beidas R, Hamilton A, Lippman S, Hernandez-Ramirez R, Spiegelman D, Smith JD, Wainberg M, Weiner B. Navigating Grey Areas in HIV and Mental Health Implementation Science.
 24. Fang J, Spiegelman D, Buchanan A, Forastiere L. Design of egocentric network-based studies to estimate individual and spillover effects.
 25. Chao A, Forastiere L, Buchanan A, Spiegelman D. Causal estimation of intervention spillover effects in egocentric network-randomized trials when network membership may be misclassified, with application to HIV prevention studies.
 26. Yang C, Zhang N, Mehta U, Hart J, Spiegelman D, Wang M. Exposure measurement error correction in longitudinal studies with discrete outcomes.
 27. Mahajan R, Spiegelman D, Naikcer A, Rhodes E, Pednekar M, Shrestha A. Facilitators and Barriers of healthy eating at workplace in India: a qualitative study.

28. Tong G, Roy B, Spell V, Spiegelman D, Wang E, Keene D, Thornhill T, Hernandez-Ramirez RU, Horton N. TRUsted rEsidents and Housing Assistance to decrease Violence Exposure in New Haven(TRUE HAVEN): A strengths-based and community-driven stepped-wedge intervention to reduce gun violence

Technical Reports and Other Materials

1. "How to use data to get the 'right answer'" Global Epidemiology Supercourse: <http://www.pitt.edu/~super1/lecture/lec32861/index.htm>
2. Committee of Toxicological and Performance Aspects of Oxygenated Motor Vehicle Fuels. "Toxicological and Performance Aspects of Oxygenated Motor Vehicle Fuels". Washington, DC: National Academy Press, 1996. (peer-reviewed)
3. Spiegelman D. "Respiratory disease mortality and morbidity, respiratory cancer and mesothelioma incidence: Occupational associations in Massachusetts, 1982 - 1985". Technical report, Division of Health Statistics and Research, Massachusetts Department of Public Health, Boston, MA, 1988.
4. Spiegelman D. "Statistical Issues in the analysis of occupational disease surveillance studies". Technical report, Division of Health Statistics and Research, Massachusetts Department of Public Health, Boston, MA, 1988.
5. Boden LI, Zimmerman MB, and Spiegelman D. "The Effects of Mine Safety and Health Administration Enforcement on the Cost of Underground Coal Mining". U.S. Department of Labor, 1981. ASPER/CON-80-0173/A:DOC. NTIS Accession No. PB82-191693.

Invited Presentations

1. "Let's learn as we go: the LAGO design for optimizing complex multi-component implementation strategy bundles," 15th Annual Conference on the Science of Dissemination and Implementation in Health. Washington, D.C., Dec 15, 2022.
2. "Empirical measurement error bias correction for the effects of functions of the exposure history: cumulative average PM2.5," 34th Annual Conference of the International Society for Environmental Epidemiology. Athens, Greece, Sept 20, 2022.
3. Invited panelist for session "Challenges and Opportunities for Funding Statistical Innovation," Joint Statistical Meeting. Virtual, Aug 9, 2022.
4. "Introduction to Implementation Science and Methods," 2022 HIV Implementation Science to Optimize Research Impact (HISTORI) Scientific Congress. July 28, 2022.
5. "Quantitative Methods for Study Design and Data Analysis in Implementation Science Research," The Epidemiology & Biostatistics Research Unit (EBRU), Institute for Advanced Medical Research & Training (IAMRAT), College of Medicine University of Ibadan. June 27, 2022
6. "Design and Methods for HIV Implementation Research: Randomized Controlled Trials and Beyond," Malaysian Implementation Science Training (MIST) Summer Bootcamp, Kuala Lumpur, Malaya. June 22, 2022.
7. "Introduction to Implementation Science and Methods" Workshop, HIV Implementation Science to Optimize Research Impact (HISTORI) Scientific Congress 2022, Dallas, TX. June 16-17, 2022.
8. "The Analysis of Multi-level Interventions." 2021 Multilevel Intervention Training Institute, National Cancer Institute (NCI) Division of Cancer Control and Population Sciences (DCCPS). Virtual, May 19, 2022.

9. "The Role of Implementation Science in Advancing Population Health," Center for Research in Population Health (CISP), National Institute of Public Health of Mexico (INSP). Virtual, Aug 18, 2021.
10. "Towards a Unified Methodology of Study Design and Statistical Analysis for Causal Inference in Implementation Science," University of North Carolina-Chapel Hill Gillings School of Global Public Health, Department of Biostatistics. Virtual, Apr 8, 2021.
11. "The Analysis of Multi-level Interventions." 2021 Multilevel Intervention Training Institute, National Cancer Institute (NCI) Division of Cancer Control and Population Sciences (DCCPS). Virtual, Apr 1, 2021.
12. Ethical Questions in Implementation Science Workshop, National Heart, Lung, and Blood Institute (NHLBI). Virtual Dec 10-11, 2020.
13. "The Analysis of Multi-level Interventions." 2020 Multilevel Intervention Training Institute, National Cancer Institute (NCI) Division of Cancer Control and Population Sciences (DCCPS). Virtual, June 18, 2020.
14. "Opportunities for Biostatistics in Implementation and Prevention Science." University of North Carolina-Chapel Hill, NC. April 23, 2020.
15. "Implementation Science: The What, Why, and How?, with Special Attention to Cancer Prevention." Yale Cancer Center Prevention and Control Research Program Fall Seminar Series. Yale Cancer Center (YCC). New Haven, CT. November 14, 2019.
16. "Implementation Science in Cancer Prevention, Screening, and Treatment: The Why, What, and How? Ground Rounds at Smilow Cancer Hospital. Yale Cancer Center. New Haven, CT. November 5, 2019.
17. "From Measurement Error to Implementation Science Methods- Career errors or well-executed Implementation." Distinguished Women in Statistics Seminar Series. Department of Biostatistics at Vanderbilt University. Nashville, TN. September 18, 2019
18. "The Learn as You Go Design for rigorous quantitative adaptation of multi-component intervention packages in global public health." The Joint Statistical Meeting (JSM) Conference. Denver, Colorado. August 1, 2019.
19. "Stepping up to the Stepped-wedge Design: the what, why, and how." The Joint Statistical Meeting (JSM) Conference. Denver, Colorado. July 31, 2019.
20. Panelist "Building Global Implementation Research Capacity: Achieving Critical Mass." Global Conference on Implementation Science & Scale-Up. Dhaka, Bangladesh. Jun 29, 2019.
21. "LAGO Methods in ESSENCE." ESSENCE Second Annual Collaborator's Meeting. Bhopal, India. Feb 26, 2019.
22. "The Impact of PEPFAR Prevention of Mother-to-Child Transmission of HIV Funding on Reduced Infant Mortality and Improved Antenatal Care in Kenya: A Quasi-Experimental Evaluation." CIRA International Research Group (IRIG). Yale University. Dec 10, 2018.
23. "Optimizing the development of complex interventions: Lessons learned from the BetterBirth Program." 11th Annual Dissemination and Implementation Conference. Renaissance, Washington D.C. Dec 4, 2018.
24. "A Generalized Estimating Equations Approach for Measurement Error Bias Correction Using Complex Validation Data." NCI Measurement Error Conference. National Cancer Institute, Rockville, MD. Nov 5, 2018.
25. "Did PEPFAR Work?: The Case of PEPFAR's PMTCT program in Kenya." Department of Epidemiology of Microbial Diseases Seminar Series. Yale School of Public Health. November 1, 2018.
26. "Opportunities for Statistics in Implementations Science at Yale's new Center for Methods in Implementation Science (CMIPS)." Yale Institute for Network Science S&DS Seminar Series. Yale University. Oct 29, 2018.
27. "Opportunities for Biostatistics in Implementation Science at Yale's New Center for Methods in Implementation and Prevent Science (CMIPS)." Biostatistics Seminar. Yale School of Public Health. New Haven, CT. Oct 2, 2018.

28. "Advanced Methods in Implementation Science." Advanced Methods in Implementation Science Workshop. Kathmandu Medical College and Teaching Hospital. Kathmandu, Nepal. Sep 18-20, 2018.
29. "The impact of PEPFAR PMTCT funding on reduced infant mortality and improved ANC care in Kenya: A quasi-experimental evaluation." 2018 Joint Statistical Meetings. Vancouver, British Columbia. Jul 28-Aug 2, 2018.
30. "Power calculations for stepped wedge designs with binary outcomes." XXIXth International Biometric Conference Poster Presentations. Barcelona, Spain. Jul 12, 2018.
31. "Innovative Methods for Studying Complex Interventions: Applying PCORI Methods Standards to Study Mechanisms and Adaptation." Academy Health 2018 Annual Research Meeting. Seattle, WA. Jun 22, 2018.
32. "Frequentist and Bayesian methods for estimation and inference about the population attributable risk in the presence of exposure misclassification." Invited Speaker, 2018 Statistical Society of Canada Annual Meeting, McGill University. Jun 3rd-Jun 6th, 2018. Montreal, Canada.
33. "Improving Reproducible Research Practices in Schools of Public Health." Panel Speaker at the Yale Reproducibility Symposium, Yale University. Apr 16, 2018. New Haven, CT.
34. "Novel Clinical Trial Drugs" and "Novel Extensions and Applications of Causal Inference Models." Chair. Eastern North American Region Biometric Conference, Mar 25-28, 2018. Atlanta, GA.
35. "Introduction to causal inference and causal mediation analysis." Instituto Nacional de Salud Publica. Mar 22, 2018. Cuernavaca, Mexico.
36. "An overview of methods and analysis for Evaluating effectiveness and impact of interventions in public health." Universidad Nacional Autonoma de Mexico. Mar 21, 2018. Mexico City, Mexico.
37. "Opportunities for Biostatistics in Implementation Science." Biostatistics Lightning talk, Harvard T.H. Chan School of Public Health. Feb 8, 2018, Boston, Massachusetts.
38. "Implementation Science and the Practice of Public Health: The Case of PEPFAR." University of Dodoma, College of Natural and Mathematical Sciences. Jan 18, 2018, Dodoma, Tanzania.
39. "Implementation Science and the Practice of Public Health: The Case of PEPFAR." Honored speaker at the Silver Jubilee of the Harvard-Tanzania Collaboration. Jan 15, 2018, Dar es Salaam, Tanzania.
40. "The Global Nutrition Transition Initiative (GNET) with a focus on Nepal." Kathmandu University, School of Medical Sciences. Kathmandu, Nepal, Jan 8, 2018.
41. B.P Koraila Institute of Health Sciences, Dharan Nepal. Jan 7, 2018.
42. "Introduction to causal inference and causal mediation analysis." PC Mahalanobis 125 (PCM 125): International Conference in Statistics and Probability. Kolkata, India, Jan 3, 2018.
43. Keynote speaker, "Opportunities for Biostatistics in Implementation Science." 2017 Conference of the International Indian Statistical Association (IISA). Panelist for the, "Panel Discussion on Biostatistics Education." Hyderabad, India, Dec 28, 2017.
44. "On causal inference for dissemination and implementation science." 10th Annual Conference on the Science of Dissemination and Implementation. Arlington, VA, Dec 5, 2017.
45. "The Case for Worksite Interventions to Prevent Obesity and its Consequences, with a focus on Nepal." Emory University, Rollins School of Public Health. Atlanta, GA, Nov 1, 2017.
46. "An overview of old and new design and analysis methods for implementation research." ½ Day workshop. Society for Implementation Research Collaborative, Seattle, WA, Sep 7, 2017.
47. "Implementation science and the role of epidemiology: the why, the what and the how." Department of Epidemiology, Vanderbilt University, Aug 21, 2017.
48. "The NIH Director's Pioneer Award Meets Biostatistics: Next up, the meeting of environmental health and implementation science?" NIEHS Advisory May Council Meeting. Jun 6, 2017.
49. "Casual Estimation of Direct and Indirect Effects in Studies with Clustering." ASA Lifetime Data Anal Interest Group Conference. Storrs, CT. May 26, 2017.

50. "Design of cluster randomized and stepped wedge trials." Instituto Nacional de Salud Pública (INSP). Tlalpan, Mexico. May 11, 2017.
51. "Implementation Science: the what, why and how?" Instituto Nacional de Salud Pública (INSP), Cuernavaca, Mexico. May 9, 2017.
52. Guest Lecturer. The Fuller Lecture, "Measurement error: from Fuller to the future." Center for Survey Statistics Methodology and the Department of Statistics, Iowa State University. May 1, 2017.
53. "Workshop: Implementation Science: the what, why and how?" Clinical Trials Network (CTN) Workshop, National Institute on Drug Abuse (NIDA). Gaithersburg, MD. March 2017.
54. "Generalized Method-of-Moments Estimation and Inference for the Validation of Multiple Imperfect Measures." ENAR Spring Meeting, Washington D.C. March 2017.
55. Chair. "Estimation of Effects in Public Health Research with Interference." ENAR Spring Meeting, Washington D.C. March 2017.
56. "Towards a unified methodology of study design and statistical analysis for causal inference in implementation science." Yale School of Public Health. New Haven, CT. March 2017.
57. "Towards a unified methodology of study design and statistical analysis for causal inference in implementation science." Public Health Grand Rounds at CUNY School of Public Health, Nov. 30, 2016, New York City, NY.
58. "Perspective of relative versus absolute effect measures." SERdigital Fall 2016 Semi-Annual Student Novel Methods Web Conference on the Application of Novel Epidemiologic Methods in Student Research. Nov. 16, 2016.
59. "Towards a unified methodology of study design and statistical analysis for causal inference in implementation science." NIH/NCI Implementation Science Forum, Sept. 22, 2016, Rockville, MD.
60. "Generalized methods-of-moments estimation and inference for the assessment of the validity of multiple measures of the same latent variable." Newest developments and urgent issues in measurement error and latent variable problems, Aug. 14-19, 2016, Banff, Canada.
61. "Workshop: Implementation Science: The what, why, and how." Global Partnerships to Advance NCD Research within the Agenda of the Sustainable Development Goals, Aug. 8-9, 2016, Emory University, Atlanta, GA.
62. "Estimation and Inference for the Incremental Cost-Effectiveness Ratio for Censored Survival Data." 2016 Joint Statistical meeting, Jul 30-Aug. 4, 2016, Chicago, IL.
63. "The Missing Covariate Indicator Method is Nearly Valid Almost Always." 2016 Epidemiology Congress of the Americas, Jun 21-24, 2016, Miami, FL.
64. "Overview Lecture: Measurement Error." Statistical Methods and Analysis of Environmental Health Data Workshop, May 30-Jun 3, 2016, Mumbai, India.
65. Panelist, "Developing and testing HIV prevention interventions." NIAID / NIMH Simulation Science for HIV Research, Apr. 26, 2016, Rockville, MD.
66. "Generalized methods-of-moments estimation and inference for the assessment of multiple imperfect measures of diet and physical activity in validation studies." Measurement Error and Complex Data Workshop, Apr 21-23, 2016, Texas A&M University, College Station, TX.
67. "Towards a unified methodology of study design and statistical analysis for causal inference in implementation science." Apr 18, 2016, UC Berkley Biostatistics Seminar Series.
68. "Towards a unified methodology of study design and statistical analysis for causal inference in implementation science." Apr 13, 2016, University of California, San Francisco.
69. "The Missing Covariate Indicator Method is Nearly Valid Almost Always." CANSSI Workshop 2016 – SFU, Apr 4-6, 2016, Simon Fraser University, BC, Canada.
70. "Estimation and inference for the incremental cost-effectiveness ratio for censored survival data." ENAR 2016 Spring Meeting, Mar 6-9, 2016, Austin, Texas.
71. "Towards a unified methodology of study design and statistical analysis for causal inference in implementation science." Columbia University Mailman School of Public Health, Feb. 10, 2016.

72. "Power Calculations for the Stepped Wedge Designs." 2015 ICSA China Statistics Conference, Jul. 6-7, 2015, Fudan University, Shanghai, China.
73. "Survival analysis with a function of a mis-measured covariate history in main study/external validation study designs." 2015 IMS-China International Conference, Jul 1-4, 2015, Kunming, China.
74. "Statistical Approaches in Implementation Science." Rollins School of Public Health, Feb. 11, 2015, Atlanta, GA.
75. "Methods to correct measure of effect for bias due to exposure measurement error." NIH/NHLBI Seminar, Dec 17, 2014, Bethesda, MD.
76. "Data Harmonization Across Large Consortia: Analytic Challenges." The Novel Approaches and Challenges to Data Harmonization, A Workshop on Maximizing the Use of Multi-level Data in Collaborative Studies, Oct. 6-7, 2014, Rockville, MD.
77. "Methods to correct measures of effect for bias due to exposure measurement error." International Society for Environmental Epidemiology Conference, Aug. 24-28, 2014, Seattle, WA.
78. "A Fast, Valid, and Powerful New Test for ExGWAS Interaction with Measurement Error in E." Joint Statistical Meetings, Aug. 2-7, 2014, Boston, MA.
79. Leader, "Measurement Error and Misclassification: New Opportunities for Research and Applications." Roundtable Discussion, Joint Statistical Meetings, Aug. 2-7, 2014, Boston, MA.
80. "Variable selection for multivariate regression calibration with error-prone and error-free covariates." 27th International Biometric Conference, Jul. 6-11, 2014, Florence, Italy.
81. "How to Use Data to Get the Right Answer." International Conference on Frontiers in Chronic Disease Research and Prevention, May 28-31, 2014, Shanghai, China.
82. "How to use data to get the right answer." University of California Davis School of Medicine, Department of Public Health Sciences & Clinical and Translational Science Center, May 5-6, 2014, Davis, CA.
83. "Optimal combination of number of participants and number of repeated measurements in longitudinal studies with time-varying exposure." International Biometric Society ENAR Meeting, Mar 16-19, 2014 Baltimore, MD.
84. "A risk set regression calibration method for measurement error correction for time-varying functions of the exposure history." University of Waterloo, Nov. 21, 2013, Waterloo, Ontario, Canada.
85. "Methods to correct measures of effect for bias due to exposure measurement error." Statistical Society of Canada Annual Meeting, May 26-29, 2013, Edmonton, Alberta.
86. "Measurement Error Correction for Survival Data Analysis with Covariates that are Functions of Time-varying Exposure Histories." Stanford University Department of Biostatistics, Palo Alto, CA, Mar 14, 2013.
87. "Study designs for maternal mortality." Global Maternal Health Conference, Jan 15-17, 2013, Arusha, Tanzania.
88. "Methodological Research in Global Health Settings, Opportunities & Challenges: Lessons for India." Public Health Foundation of India Research Symposium, Jan 8, 2013, New Delhi, India.
89. "How to use epidemiology to get the right answer." Madras Diabetes Research Foundation (MDRF), Jan 7, 2013, Chennai, India.
90. "Measurement Error Correction for Survival Data Analysis with Covariates that are Functions of Time-Varying Exposure Histories." International Indian Statistical Association Conference, Jan 2-5, 2013, Chennai, India.
91. "Cox regression with measurement error in the time-varying exposure history." International Chinese Statistical Association Symposium, Jun 23-26, 2012, Boston, MA.
92. "Measurement Error in nutritional epidemiology (in memory of Arthur Schatzkin)." 8th International Conference on Diet and Activity Methods (ICDAM 8), May 14-17, 2012, Rome, Italy.

93. "Traditional and 'Causal' Models for Evaluating the Effectiveness of the Switch to Second Line Therapy in a Large, ongoing HIV/AIDS Treatment and Care Program in a Resource Limited Setting." International Biometric Society ENAR, Washington, DC, Apr 2-4, 2012.
94. "Standard and 'causal' models for evaluating the effectiveness of the switch to second line therapy in a large, ongoing HIV/AIDS treatment and care program." Stanford University Center for Health Policy, Palo Alto, CA, Feb 23, 2012.
95. "The Implications of Exposure Measurement Error and Misclassification on Studies of Gene-Environment Interactions." National Cancer Institute Workshop on Gene-Environment Interactions, Bethesda, MD, Jan 10, 2012.
96. "Quantifying risk over the life course – latency, age-related susceptibility, and other time-varying exposure metrics: estimation and inference in prospective cohort studies." University of Michigan, Oct 19-20, 2011 .
97. "Measurement error correction for survival data analysis with time-varying covariates." Statistical Challenges in Life History Analysis, Centre de Recherches Mathematiques, Montreal, Canada, May 17, 2011.
98. "Design problems in longitudinal research." Academy Colloquium of the Royal Netherlands Academy of Arts and Sciences on Cost efficient and Optimal Designs for Social and Biomedical Sciences, Amsterdam, The Netherlands, Apr 26, 2011.
99. "Methods to adjust for bias in effect estimates due to exposure measurement error in environmental and occupational studies." Department of Environmental Health, University of California, Berkeley, CA. Sep 15, 2010.
100. "Harvard Catalyst Program Seminar: How many participants? How many measurements?: The design of longitudinal studies." Massachusetts General Hospital, Boston, MA, Feb 23, 2010.
101. "Prospects for the prevention of breast cancer in developing countries." Department of Surgery, Muhimbili Medical College, Dar es Salaam, Tanzania, Jan 18, 2010.
102. "Introductory Overview Lecture: Designing longitudinal studies." Joint Statistical Meetings, Washington, DC, Aug 4, 2009.
103. "Methods for summarizing the evidence: meta-analysis and pooled analysis." Department of Community Health, Dartmouth-Hancock Medical Center and Norris Cotton Cancer Center, Hanover, NH, Nov 7, 2008.
104. "Maternal Mortality: More than One Move?" Medical Women's Association of Tanzania, Muhimbili Medical College, Dar es Salaam, Tanzania, Jul 4, 2008.
105. "Correlated errors in biased surrogates, with application to nutritional epidemiology." Department of Epidemiology, National Institute of Child Health and Human Development, Jun 5, 2008.
106. "Impacts of Exposure Measurement Error on Hazard Assessment and Dose-Response Estimation (Linear and Non-Linear Models)." National Research Council Fourth Workshop of the Standing Committee on Risk Analysis Issues and Reviews -- Quantitative Methods for Assessing Exposure Measurement Error in Epidemiologic Studies: Implications for Environmental Hazard Identification and Risk Analysis. National Academy of Science, Rockville, MD, Mar 26-27, 2008.
107. "How to use data to get the right answer." Department of Epidemiology, Johns Hopkins School of Hygiene, Baltimore, MD, Dec 17, 2007.
108. "Correlated errors in biased surrogates, with application to nutritional epidemiology." Department of Epidemiology, Vanderbilt University School of Medicine, Nashville, TN, Oct 23, 2007.
109. "Methods to adjust for bias in effect estimates due to exposure measurement error in environmental and occupational studies." Department of Biostatistics, University of Washington, Seattle, WA. Oct 4, 2007.
110. "How to use data to get the right answer." Department of Biostatistics, Fred Hutchinson Cancer Research Center, Seattle, WA, Oct 3, 2007.

111. "The design of longitudinal studies for epidemiologic research." Society for Epidemiologic Research annual meeting, Boston, MA, June 2007.
112. "Statistical analysis of biomarkers in epidemiologic research: 25(OH)D as an example." Invited talk, Conference on Statistical and Epidemiological Issues in Multiple Schlerosis, Harvard School of Public Health, Boston, MA, Apr 27, 2007.
113. "Pooling data." Invited talk, Statistical and Epidemiologic Methods in HIV/AIDS Research Workshop", National Institutes of Health NIAID, Vail, CO. Apr 13, 2007.
114. "How to use the data to get the right answer." Invited talk, Institute of Environmental Medicine, Karolinska Institute, Stockholm, Sweden, June 2006.
115. "Correlated errors in biased surrogates, with application to nutritional epidemiology." Invited talk, Institute of Medical Epidemiology and Biostatistics, Karolinska Institute, Stockholm, Sweden. June 2006.
116. "Methods to adjust for bias in effect estimates due to exposure measurement error in environmental and occupational studies." International Congress of Epidemiology, Seattle, WA. June 2006.
117. "How to use the data to get the right answer." Invited talk, Department of Epidemiology, University of North Carolina – Chapel Hill, Feb. 2006.
118. "How to use the data to get the right answer." Invited talk, Society for Epidemiologic Research, Toronto, Canada, Jun 2005.
119. "Structural and functional Cox proportional hazards models with covariate misclassification." Invited talk, Eastern Mediterranean Region of the International Biometric Society, Corfu, Greece, May 2005.
120. "Future directions for the design and analysis of nutritional and environmental studies with exposure measurement error." Invited roundtable luncheon presentation, Joint Statistical Meetings, Toronto, Canada, Aug 2004.
121. "Empirical bias correction or sensitivity analysis: why one? Why the other?" Invited talk, American College of Epidemiology Annual Meeting, Sep. 2004, Boston, MA.
122. "Power and sample size for case-control studies of gene-environment interactions: a new method with comparison to the old." International Conference on the Analysis of Genomic Data, American Statistical Association, May 2004, Boston, MA.
123. "Correlated errors in biased surrogates, with application to nutritional epidemiology." Nutrition and Physical Activity Affinity Group, Fred Hutchinson Cancer Research Center, Seattle, WA. Feb 28, 2002.
124. "Measurement error in occupational epidemiology." 16th EPICOH Congress on Epidemiology in Occupational Health, Barcelona, Spain, Sep 11, 2002.
125. "Correlated errors, systematic bias: new study designs and estimators." Indian International Statistical Association IISA Fourth Biennial International Conference on Statistics, Probability and Related Areas. DeKalb, IL, June 2002.
126. "Constructing identifiable systems of equations for estimating the regression calibration attenuation factor with biased instruments and correlated errors." Joint Statistical Meetings, Atlanta, GA, Aug. 2001.
127. "Measurement error and misclassification in epidemiology." Statistical Society of Canada, Vancouver, BC, June 2001.
128. "Parametric and semi-parametric methods for adjusting for covariate measurement error in regression." Department of Biostatistics, Rollins School of Public Health, Emory University, Atlanta, GA, April 2001.
129. "Correcting relative risk estimates of the effect of physical activity for bias due to measurement error." American Society for Preventive Oncology Annual Meeting, NY, NY, March 2000.
130. "Adjusting for bias due to covariate measurement error in epidemiologic research." Department of Epidemiology and Community Health, Brown University School of Medicine, Providence, RI, Oct 2000.

131. "Competing models for correlated errors in dietary validation studies: the evidence, the implications." Fourth International Conference on Dietary Assessment Methods, Tucson, AZ, Sep 2000.
132. "Measurement error models for occupational and environmental epidemiology." Invited paper, Joint Statistical Meetings 2000, Indianapolis, IN, Aug 2000.
133. "Likelihood-based methods for estimation and inference in the presence of covariate measurement error and related less parametric approaches." Department of Statistics, Yale University, New Haven, CT, March 2000.
134. "Measurement error and misclassification in epidemiologic research." Keynote address, 4th Galician Meeting of Statistics and Operational Research, Universidad de Santiago de Compostela, Santiago, Spain, Nov 1999.
135. "Extended partial likelihood methods for failure time models, with measurement error in a cumulative exposure variable." Special contributed session, Joint Statistical Meetings, Baltimore, MD, Aug 1999.
136. "Efficient regression calibration for logistic regression in main study/internal validation study designs, with an imperfect reference instrument." Invited Spotlight Session, Society for Epidemiologic Research, 32nd Annual Meeting, Baltimore, MD, June 1999.
137. "Robust, efficient and more flexible extensions to regression calibration for logistic regression models in main study/validation study designs." Sixth Purdue International Symposium on Statistics: Workshop on Nutrition and Statistics, June 1998.
138. "Robust, efficient and more flexible extensions to regression calibration." Department of Statistics, Brown University School of Medicine, Feb 1998.
139. "Estimation and inference for logistic regression with covariate measurement error and misclassification." Department of Statistics, University of Massachusetts - Amherst, Nov 1996.
140. "Measurement error correction for logistic regression models with an 'alloyed gold standard.'" International Biometric Conference, Amsterdam, the Netherlands, July 1996.
141. "Correcting for exposure measurement error in the University of New Mexico Uranium Miners' Cohort Study of radon exposure in relation to lung cancer mortality." American Statistical Association Conference on Radiation and Health, Vail, Colorado, June 1996.
142. "Measurement error and misclassification in epidemiologic research." Department of Epidemiology, Johns Hopkins School of Hygiene and Public Health, March 1996.
143. "Estimation and inference for binary regression with covariate measurement error and misclassification." Joint Meeting of the International Biometric Society, Eastern North American Region, Mar 28, 1995.
144. "Design and analysis of relative risk in studies where dietary intake is measured with error." 2nd International Conference on Dietary Assessment Methods, Boston, MA, Jan 22, 1995.
145. "Validating the Gail et al. model for predicting individual absolute risk of breast cancer." Joint Meetings of the American Statistical Association, Toronto, Ontario, Aug 1994.
146. Discussant, "Statistical Issues in Dietary Assessment - Energy Adjustment Models." ENAR, Apr 1994.
147. "Designing and analyzing studies to estimate relative risk: using validation data to correct for measurement error." American Public Health Association Annual Meeting, Oct 1993.
148. "Methods to control for recall bias in reproductive health studies." Joint Meeting of the Biometric Society, Eastern North America Region, March 1992.
149. "Multiple logistic regression, with covariate measurement error and misclassification." American Statistical Association Joint Meetings, Aug 1991.
150. "Leukemia and other health outcomes in the vicinity of the Pilgrim nuclear power plant." Radiation, Health and Environment, Tufts University, Medford, MA, Apr 17, 1990.
151. "Cohort Study Design, When the Exposure Variable Is Measured with Error." Joint Meeting of the Biometric Society, Eastern North American Region, Apr 1990.

152. "Statistical Methods for the Analysis of Standardized Mortality Ratios", "Indirect Adjustment for Unmeasured Confounders in Case-Control Studies with Dead Controls." Workshop on Occupational Disease Surveillance Methodology, NIOSH, Cincinnati, Ohio, Nov 17-18, 1987.
153. Panelist, "Toxic Controls—The Economic Implications and Effect on Jobs." National Campaign Against Toxics Conference, Feb 5, 1984.

Awards

Wikipedia – List of Women Who Have Made Noteworthy Contributions to or Achievements in Statistics : https://en.wikipedia.org/wiki/List_of_women_in_statistics

Recognized as #161 (Global) and #111 (US) in Ranking of Top 1000 Scientists in the field of Medicine, Research.com, 2022

YSPH Team Research Prize, 2021

BMC Top Author, 2021

Recognized in Y Analytics 2020 Research in Action Review

Highly Cited Researchers, Clarivate Web of Science, 2018, 2019, 2020, 2021

Article of the Year, in recognition of the paper “Relative Validity of Nutrient Intakes Assessed by Questionnaire, 24-Hour Recalls, and Diet Records as Compared with Urinary Recovery and Plasma Concentration Biomarkers: Findings for Women,” Am J Epidemiol, 2018.

Mentoring Award, The Committee on the Advancement of Women Faculty, Harvard T.H. Chan School of Public Health, 2018

Distinguished Service Award, Department of Epidemiology, Harvard T.H. Chan School of Public Health, 2018.

Reviewer of the Year, Am J Public Health’s Editor’s Choice Award, 2017.

President’s Award for 25 Years of Service, Harvard University, 2016.

Candidate for the Charles C. Shepard Science Award, Assessment and Epidemiology, in recognition of the paper “Work schedule during pregnancy and spontaneous abortion”, CDC and ATSDR, 2008.

Fellow of the American Statistical Association, 2001.

Teaching Citation, Harvard School of Public Health, 1996.

Travel Award, Workshop on Pathways to the Future - AA, 1991.

Student Travel Award, International Biometric Society - ENAR, 1989.

Teaching

1. Guest Lecturer, Aplicaciones de la ciencia de la implementación a la salud pública. Programa de Actualización en Salud Pública y Epidemiología (PASPE), El Instituto Nacional de Salud Pública, Summer 2022.

2. Biostatistics 629. Advanced Methods for Implementation and Prevention Science, Yale School of Public Health, Fall 2021-22
3. Guest Lecturer, Large Scale Effectiveness Evaluations, ID212. Cluster RCTs and Stepped Wedge Design,” Harvard School of Public Health, Spring 2018.
4. Guest Lecturer, Global Cardiovascular Disease Prevention, GHP213. “Analysis of Prospective Cohort Studies and Risk Prediction” Harvard School of Public Health, Summer 2017.
5. Epidemiology 515 / Biostatistics 515. Measurement Error and Misclassification, Harvard School of Public Health, Spring 2011 – 2018.
6. Epidemiology 300. Tutorial on Delayed Presentation of Breast Cancer in Nigeria, with Sally Anthony, Harvard School of Public Health, Spring 2013.
7. Epidemiology 300. Tutorial on DDM PEPFAR Grant Preparation, with Nora McCormick, HSPH, Fall 2012.
8. Epidemiology 300. Tutorial on Modeling and Variable Selection for Regression Calibration, with Kate Fitzgerald, Harvard School of Public Health, Fall 2012.
9. Epidemiology 300. Tutorial on Prevalence of cervical cancer among HIV infected women attending care & treatment clinics in Dar es Salaam, with Expedhitio Mtisi, Harvard School of Public Health, Fall 2012.
10. Epidemiology 300. Tutorial on energy intake study data from Nigeria, with Sally Anthony, Harvard School of Public Health, Fall 2012.
11. Epidemiology 300. Tutorial on Risk Factors for Cervical Cancer Epidemiology with Uzoma Ononogbu, Harvard School of Public Health, Spring 2012.
12. Biostatistics 300. Tutorial on Quality Indicators Analysis with Shira Mitchell, Spring 2, 2012.
13. Epidemiology 300. Tutorial on design of a global epidemiology project with Christine McDonald, Harvard School of Public Health, Spring 2008.
14. Epidemiology 300. Winter session tutorial on design of a global epidemiology project with Jaime Madrigano, Harvard School of Public Health, 2008.
15. Guest lecturer, “Meta-analysis,” Department of Epidemiology, Harvard School of Public Health, 2005.
16. “Biostatistics Consulting Laboratory,” Department of Biostatistics, Harvard School of Public Health, 2005.
17. “Design and Analysis of Case-control and Cohort Studies,” Department of Epidemiology, Harvard School of Public Health, 2003-2009, 85-105 students/year.
18. Guest lecturer, “Reproductive epidemiology,” Department of Epidemiology, Harvard School of Public Health, 1993-1995.
19. Guest lecturer, “Advanced methods in nutritional epidemiology,” Departments of Epidemiology and Nutrition, Harvard School of Public Health, 1995-1997.
20. Guest lecturer, “Statistical methods for psychiatric research,” Department of Biostatistics, Harvard School of Public Health, 1999.
21. “Elements of Epidemiologic Research,” Department of Epidemiology, Harvard School of Public Health, 1991-2002, 100 students/year.
22. “Biostatistics in Public Health Research,” Department of Community Health, Tufts University School of Medicine, MD MPH program, 1989-1991, 25 students/year.

Doctoral Dissertations Supervised

- | | | |
|----------------|-----------|---|
| 1. Melody Owen | PhD 2022- | Doctoral Candidate,
Biostatistics, Yale School of
Public Health |
|----------------|-----------|---|

2.	Zach Frere	PhD	2022-	Doctoral Candidate, Biostatistics, Yale School of Public Health
3.	Ariel Chao	PhD	2020-	Doctoral Candidate, Biostatistics, Yale School of Public Health
4.	Chao Cheng	PhD	2020-	Doctoral Candidate, Biostatistics, Yale School of Public Health
5.	Dale Barnhart	ScD	2017- 2019	“Evaluation of large scale programs in maternal and child health in resource limited settings” Global Health Equity Research Fellow Global COVID -19 Response Technical Support Group Harvard Medical School Boston, MA
6.	Abbas Ismail	PhD	2016-	Statistics, “Reliability and validity of quality indicators on estimating qualityof HIV/AIDS clinical care in Tanzania” Doctoral Candidate, Statistics, School of Mathematical Sciences of the University of Dodoma Dodoma, Tanzania
7.	Benedict Wong	PhD	2014- 2018	Biostatistics, “Correction for measurement error and misclassification in epidemiologic research” Doctoral Candidate, Biostatistics, Harvard T.H. Chan School of Public Health Boston, MA
8.	Sarah Peskoe	PhD	2014- 2017	Biostatistics, “Biases arising in epidemiologic research, specifically in latency estimation and effect size estimation, as a result of measurement error and complex sampling bias” Doctoral Candidate, Biostatistics, Harvard T.H. Chan School of Public Health Boston, MA

9.	Xavier Basagaña	PhD	2007	Biostatistics, Longitudinal data analysis in epidemiologic research: study design and parameter interpretation”	Assistant Research Professor in Biostatistics, CEREAL Barcelona, Spain
10.	Jean-Marie Arduino	ScD	2000	Epidemiology, “Biomarkers in the detection, transmission and prognosis of chronic viral infections”	Senior Principal Scientist Merck & Co., Inc Philadelphia, PA
11.	Jean Kim	PhD	2000	Population and Int Health, “Nutrition, hunger and HIV”	Director of Studies of the Centre for Global Health The Jockey Club School of Public Health The Chinese University of Hong Kong Hong Kong, China
12.	Mary Morrissey	ScD	1998	Biostatistics, “Methods for correction of misclassification and selection bias in longitudinal studies”	Associate Professor, Preventive Medicine-Biostatistics Northwestern University Feinberg School of Medicine Boston, MA

Doctoral Dissertation Committee Membership

1.	Yue Yang	PhD	2022-	Biostatistics	Harvard T.H. Chan School of Public Health Boston, MA
2.	Dan-Dan Li	MD/ PhD	2021- 2022	Epidemiology of Microbial Diseases	Yale School of Public Health New Haven, CT
3.	Wenze Tang	PhD	2021- 2023	Epidemiology	Harvard T.H. Chan School of Public Health Boston, MA
4.	Leah Puklin	PhD	2020-	Chronic Disease Epidemiology	Yale School of Public Health New Haven, CT

5.	En Cheng	PhD	2019-2021	Chronic Disease Epidemiology	Yale School of Public Health New Haven, CT
6.	Colleen Chan	PhD	2019-	Statistics and Data Science	Yale Graduate School of Arts and Sciences
7.	Cynthia Shi	PhD	2019-	Epidemiology of Microbial Diseases	Yale School of Public Health New Haven, CT
8.	Chris Andersen	PhD	2018-2020	Global Health & Population	Harvard T.H. Chan School of Public Health Boston, MA
9.	Leticia Torres Ibarra	PhD	2017-2020	Epidemiology	National Institute of Public Health of Mexico Cuernavaca Morales, Mexico
10.	Ugonna Nwosu	ScD	2017-	Nutrition	Harvard T.H. Chan School of Public Health Boston, MA
11.	Ramadhani Noor	ScD	2017-2019	Nutrition	Harvard T.H. Chan School of Public Health Boston, MA
12.	Emily Rose Smith	ScD	2014-2016	Global Health & Population	Assistant Professor George Washington University Milken Institute School of Public Health
13.	Alessio Crippa	PhD	2014-2018	Biostatistics	Postdoctoral Researcher Department of Medical Epidemiology and Biostatistics Karolinska Institutet Stockholm, Sweden
14.	Rachel Banay	ScD	2014-2017	Environmental Health	Harvard T.H. Chan School of Public Health Boston, MA
15.	Ambika Satija	ScD	2014-2016	Epidemiology	Postdoctoral Fellow Harvard T.H. Chan School of Public Health Boston, MA
16.	Rachel Zack	ScD	2014-2017	Epidemiology	Epidemiologist Greater Boston Food Bank Cambridge, MA
17.	Leslie Farland	ScD	2014-2016	Epidemiology	Assistant Professor

Epidemiology and Biostatistics
Department
Mel & Enid Zuckerman
College of Public Health
University of Arizona
Tucson, AZ

18.	Jennifer Stuart	ScD	2012-2017	Epidemiology	Instructor of Epidemiology Harvard T.H. Chan School of Public Health Boston, MA	Associate Epidemiologist Division of Women's Health Brigham and Women's Hospital Boston, MA
19.	Ellen O'Neal	ScD	2013-2015	Epidemiology	Harvard T.H. Chan School of Public Health Boston, MA	
20.	Mingyang Song	ScD	2014-2015	Epidemiology and Nutrition	Assistant Professor of Clinical Epidemiology and Nutrition Harvard T.H. Chan School of Public Health Boston, MA	
21.	Ashkan Afshin	ScD	2014	Epidemiology	Assistant Professor Institute for Health Metrics and Evaluations Department of Global Health University of Washington Seattle, WA	
22.	Lauren Kunz	PhD	2014	Biostatistics	Statistician, National Institutes of Health Bethesda, MD	
23.	Batool Haider	ScD	2011-2014	Epidemiology		
24.	Ibironke Olofin	ScD	2011-2014	Global Health & Population	Postdoctoral Research Fellow, Department of Global Health and Population, Harvard T.H. Chan School of Public Health Boston, MA	
25.	Fan Mu	ScD	2011-2014	Epidemiology	Associate, The Analysis Group Boston, MA	

26.	Sally Akarolo-Anthony	ScD	2011-2014	Nutrition	Postdoctoral Research Fellow, Department of Nutrition, Harvard T.H. Chan School of Public Health Boston, MA
27.	Andrew Thorne-Lyman	ScD	2011-2013	Nutrition	Senior Research Scientist, WorldFish Penang, Malaysia
28.	Paul Petraro	ScD	2010-2013	Nutrition	Epidemiologist, Bayer Senior Epidemiologist, Griffin Hospital Derby, CT
29.	Danielle Braun	PhD	2010-2013	Biostatistics	Postdoctoral Research Fellow, Department of Biostatistics, Harvard T.H. Chan School of Public Health Boston, MA
30.	Ayesha Sania	ScD	2011-2013	Epidemiology	Postdoctoral Research Fellow, ICAP and Dept. of Epidemiology, Columbia University Mailman School of Public Health NYC, NY
31.	Marianthi-Anna Kioumourtzoglou	ScD	2011-2013	Environmental Health	Assistant Professor Environmental Health Sciences, Columbia University, Mailman School of Public Health, NYC, NY
32.	Ramadhani Mwiru	ScD	2011-2012	Nutrtition	Public Health Services (PHS): Implementation Science Adviser, CDC Dar es Salaam, Tanzania
33.	Christine McDonald	ScD	2009-2012	Nutrition	Nutrition Advisor, Famine Early Warning Systems Network (FEWS NET), Chemonics International Washington, D.C.
34.	Julia Finkelstein	ScD	2009-2011	Epidemiology and Nutrition	Assistant Professor of Epidemiology and Nutrition Follett Sesquicentennial

				Faculty Fellow, Cornell University Ithaca, NY
35.	Sheila Isanaka	ScD	2008-2011	Epidemiology and Nutrition Assistant Professor, Nutrition, Harvard T.H. Chan School of Public Health Boston, MA
36.	Sona Tumayan	ScD	2007-2011	Epidemiology Assistant Professor, Research Design, Biostatistics & Clinical Research Ethics, University of Puerto Rico San Juan, Puerto Rico
37.	Kosuke Kawai	ScD	2009-2010	Nutrition Contractor, Epidemiologist, Global Health Outcomes, Merck Philadelphia, PA
38.	Xuehong Zhang	ScD	2008-2010	Nutrition Instructor in Medicine, Harvard Medical School Associated Epidemiologist, Brigham and Women's Hospital Boston, MA
39.	Deborah Boggs	ScD	2008-2010	Epidemiology Senior Epidemiologist, Quintiles Cambridge, MA
40.	Kimberly Bertrand	ScD	2007-2010	Epidemiology Instructor in Medicine, Channing Division of Network Medicine, Brigham & Women's Hospital and Harvard Medical School Boston, MA
41.	Yueh-Hsiu Mathilda Chiu	ScD	2007-2010	Environmental Health Postdoctoral Research Fellow, Harvard T.H. Chan School of Public Health Boston, MA
42.	Kristen Lyall	ScD	2007-2009	Epidemiology Research Scientist III, California Department of Public Health Richmond, CA Visiting Scientist, Harvard T.H. Chan School of Public Health Boston, MA

43.	Kassandra Munger	ScD	2007-2009	Epidemiology and Nutrition	Research Scientist, Department of Nutrition, Harvard T.H. Chan School of Public Health Boston, MA
44.	Ying Bao	ScD	2007-2009	Epidemiology	Associate Epidemiologist, Brigham and Women's Hospital Instructor in Medicine, Harvard Medical School Boston, MA
45.	Uma Chandra Mouli Natchu	ScD	2007-2009	Nutrition	Assistant Professor, Translational Health Science and Technology Institute (THSTI) Gurgaon, Haryana, India
46.	Eilis O'Reilly	ScD	2009-2009	Epidemiology and Nutrition	Research Associate, Department of Nutrition, Harvard T.H. Chan School of Public Health Boston, MA
47.	Carine Lenders	ScD	2002-2009	Nutrition	Assistant Professor of Pediatrics, Boston University School of Medicine Boston, MA
48.	Manas Kaushik	ScD	2008-2008	Epidemiology and Nutrition	Director, Clinical Transformation North Shore-LIJ Health System New York, NY
49.	Saurabh Mehta	ScD	2006-2008	Epidemiology and Nutrition	International Faculty Fellow, Einaudi Center for International Studies Ithaca, NY Adjunct Associate Professor, St. John's Research Institute, Bengaluru, India Cornell University, Assistant Professor of Global Health, Epidemiology, and Nutrition Ithaca, NY
50.	Hannah Gardener	ScD	2006-2007	Epidemiology	Department of Neurology, Asst. Scientist, Self Organizing Maps , Clinical Research Division, University of Miami

				Miami, FL
51.	Megan Phillips	ScD	2006-	Epidemiology and Nutrition
52.	Sarah Rosner Preis	ScD	2005- 2007	Epidemiology
53.	Bahar Mikhak	ScD	2004- 2006	Epidemiology
54.	Yikyung Park	ScD	2004- 2005	Nutrition NIH-AARP Fellow, Nutritional Epidemiology Branch, Division of Cancer Epidemiology and Genetics, NCI/NIH Bethesda, MD
55.	Annamaria Kiure	ScD	2001- 2004	Nutrition
56.	Clement Adebamowo	ScD	2003- 2004	Nutrition Director, Global Health Cancer Research Institute of Human Virology and Greenebaum Cancer Center, University of Maryland Baltimore, MD
57.	Roland Kupka	ScD	2003- 2004	Epidemiology and Nutrition Senior Adviser, Micronutrients, UNICEF, UNICEF Nutritionist New York, NY
				Adjunct Assistant Professor of Nutrition, Harvard T.H. Chan School of Public Health Boston, MA
				Regional Coordinator for West and Central Africa, ICCIDD Global Network Mystic, CT
58.	Ellen Chang	ScD	2001- 2003	Epidemiology Managing Scientist in Health Sciences at Exponent San Francisco, CA
59.	Rulla Tamimi	ScD	2001- 2003	Epidemiology Associate Professor at Harvard Medical School Boston, MA

60.	Gilda Sedgh	ScD	2001-2003	Epidemiology	Senior Research Associate, Guttmacher Institute Philadelphia, PA
61.	Pauline Koh-Banerjee	ScD	2001-2003	Nutrition	Assistant Professor, Department of Preventive Medicine, University of Tennessee Health Science Center Memphis, TN
62.	Lauren Wise	ScD	2002-2003	Epidemiology	Associate Professor of Epidemiology, Slone Epidemiology Center, Boston Univ. School of Public Health Boston, MA
63.	Stacey Missmer	ScD	2000-2003	Epidemiology	Instructor in Medicine, Harvard Medical School, Associate Epidemiologist, Brigham and Women's Hospital Boston, MA
64.	Ana Baylin	ScD	2001-2002	Epidemiology	Associate Professor of Epidemiology, Center for Global Health and Associate Professor of Environmental Health Sciences, School of Public Health University of Michigan Ann Arbor, MI
65.	Anwar Merchant	ScD	2000-2001	Epidemiology	Associate Professor, Department of Epidemiology and Biostatistics, Arnold School of Public Health, University of South Carolina Columbia, SC
66.	Lisa Hines	ScD	2000-2001	Epidemiology	Assistant Professor in Department of Pharmacology, University of Colorado, Health Sciences Center Aurora, CO
67.	Karen Pawlish	ScD	1999-2002	Epidemiology	Department of Health and Senior Services Research Scientist and Epidemiologist at Cancer Epidemiology Services in the New Jersey Trenton, NJ

68. Tanuja Rastogi	ScD	1998-2001	Nutrition	Senior Policy Advisor, UN World Food Programme, Washington D.C.
69. Ivo Foppa	ScD	1998-2001	Epidemiology	Senior Research Scientist, Battelle/Epidemiology & Prevention Branch, Influenza Division, CDC Atlanta, GA
70. Eduardo Villamor	ScD	1998-2001	Epidemiology and Nutrition	Associate Professor, Epidemiology, School of Public Health, University of Michigan Ann Arbor, MI
71. Teresa Fung	ScD	1998-2000	Epidemiology and Nutrition	Assistant Professor in Nutrition, Simmons College Adjunct Assistant Professor in Nutrition, Harvard T.H. Chan School of Public Health Associate Editor, J Nutr Boston, MA
72. Shirley Hung	ScD	1996-2001	Epidemiology	
73. Christopher Haiman	ScD	1999-2000	Epidemiology	Assistant Professor, Keck School of Medicine, Department of Preventive Medicine, University of Southern California Los Angeles, CA
74. Stavroula Osganian	ScD	1997-2000	Epidemiology	Director of Clinical Research Program, Children's Hospital Boston, MA
				Assistant Professor of Pediatrics, Harvard Medical School Boston, MA
75. Nain-feng Chu	ScD	1998-1999	Epidemiology	Superintendent of Taitung Hospital, Ministry of Health and Welfare, Taiwan Professor of School of Public Health, National Defense Medical Center Taipei, Taiwan

76. Eunyoung Cho	ScD	1997-1999	Epidemiology	Associate Epidemiologist, Brigham and Women's Hospital Visiting Associate Professor of Medicine, Harvard Medical School Boston, MA
77. Ju-Hyeong Park	ScD	1997-1999	Environmental Health	Senior Researcher in Environmental Health Centers for Disease Control and Prevention/NIOSH Atlanta, GA
78. Saidi Kapiga	ScD	1997-1998	Population & Intl Health	Founding Scientific Director of the Mwanza Intervention Trials Unit (MITU) Mwanza, Tanzania
79. Dominique Michaud	ScD	1997-1998	Epidemiology	Professor and Director of Graduate Program in Epidemiology Brown University Providence, RI
80. Dorota Gertig	ScD	1995-1998	Epidemiology	Adjunct Professor, School of Population Health, University of Melbourne Melbourne, Australia
81. Kari Bohlke	ScD	1995-1998	Epidemiology	Clinical Practice Guidelines Specialist at American Society of Clinical Oncology Hailey, ID
82. Shari Bassuk	ScD	1995-1998	Epidemiology	Editor, Division of Preventive Medicine, Brigham and Women's Hospital Boston, MA
83. Francine Laden	ScD	1994-1998	Epidemiology	Associate Professor of Environmental Epidemiology, Harvard T.H. Chan School of Public Health Boston, MA
84. Michie Hisada	ScD	1995-1997	Epidemiology	Medical Director, Takeda Global Research & Development Center, Inc. Chicago, IL

85.	Naoko Ishibe	ScD	1995-1997	Epidemiology	Program Director at National Institutes of Health, Washington D.C.
86.	William Owusu	ScD	1995-1996	Epidemiology	Senior Lecturer Department of Nutrition and Food Science University of Ghana Accra, Ghana
87.	Karen Higgins	ScD	1995-1996	Biostatistics	Lead Mathematical Statistician, Division of Biometrics III, Center for Drug Evaluation and Research, Food and Drug Administration Rockville, MD
88.	Gary Curhan	ScD	1994-1996	Epidemiology	Associate Professor of Medicine, Harvard Medical School Boston, MA
89.	Peter Choo	DPH	1994-1996	Epidemiology	Physician, Internal Medicine Practice, Autumn Grace Medical Associates Methuen, MA Director, Rebuild Africa Cambridge, MA
90.	Lynn Marshall	ScD	1994-1996	Epidemiology	Assistant Professor in the Department of Medicine and in the Department of Public Health and Preventative Medicine at Oregon Health Sciences University Portland, OR
91.	Paul Coplan	PhD	1993-	Epidemiology	Executive Director and head of Risk Management and Epidemiology at Purdue Pharma, Stamford, CT Adjunct Assistant Professor at the University of Pennsylvania School of Medicine Philadelphia, PA
92.	Duen Plasai	PhD	1993-1995	Population & Int Health	
93.	Lisa Chasan-Taber	PhD	1994-1995	Epidemiology	Associate Professor, Department of Epidemiology, University of Massachusetts School of Public Health

				Boston, MA
94.	Christina Holcroft	ScD	1993-1995	Biostatistics Assistant Professor of Medicine, Sackler School of Graduate Biomedical Sciences, Tufts University School of Medicine Boston, MA
95.	Wafaie Fawzi	PhD	1992	Epidemiology & Nutrition Richard Saltonstall Professor of Population Sciences Professor of Nutrition, Epidemiology, and Global Health Chair, Department of Global Health and Population Harvard T.H. Chan School of Public Health Boston, MA
96.	Carsten Mantel	MPH	1992	Epidemiology

Junior Faculty Mentored

1.	Christine Simon	PhD	2022-	Social and Behavioral Science Associate Research Scientist, SBS, Yale School of Public Health, New Haven, CT
2.	Jenny Zhen-Duan	PhD	2022-	Disparities Research Unit Researcher, Disparities Research Unit, Massachusetts General Hospital; Instructor, Harvard Medical School, Boston, MA
3.	Courtney Choy	PhD, MPH	2021-	Chronic Disease Epidemiology Postdoctoral Fellow, Dept. of Chronic Disease Epidemiology, Yale School of Public Health, New Haven, CT
4.	Helen Parise	ScD	2021-2022	Cardiovascular Medicine Associate Professor, Department of Internal Medicine, Yale School of Medicine, New Haven, CT
5.	Jeremy Schwartz	MD	2021-2023	Chronic Disease Epidemiology Associate Professor, Dept. of Chronic Disease Epidemiology, Yale School of Public Health, New Haven, CT /Institute Implementation Science Scholars (IS-2) Scholar,

6.	Drew Cameron	PhD	2020-	Health Policy and Management	Washington University in St. Louis Assistant Professor, Dept of Health Policy and Management, Yale School of Public Health, New Haven, CT
7.	Marie Brault	PhD	2020-2022	Health Promotion and Behavioral Sciences	University of Texas Health Science Center School of Public Health, San Antonio, TX
8.	Fan Li	PhD	2019-	Biostatistics	Assistant Professsor, Dept. of Biostatistics, Yale School of Public Health, New Haven, CT
9.	Ashley Hagaman	PhD	2019-	Social and Behavioral Sciences	Assistant Professor, Dept.of Social and Behavioral Sciences, Yale School of Public Health, New Haven, CT
10.	Xin Zhou	PhD	2019-	Biostatistics	Assistant Professsor, Dept. of Biostatistics, Yale School of Public Health, New Haven, CT
11.	Lindsay Jaacks	ScD	2016-2018	Global Health and Population	Assistant Professor, Dept of Global Health and Population, Harvard T.H. Chan School of Public Health, Boston, MA
12.	Chris Sudfeld	ScD	2016-2018	Global Health and Population	Assistant Professor, Dept of Global Health and Population, Harvard T.H. Chan School of Public Health, Boston, MA
13.	Alkes Price	PhD	2011-2016	Epidemiology and Biostatistics	Professor, Depts. of Epidemiology & Biostatistics, Harvard T.H. Chan School of Public Health, Boston, MA
14.	Molin Wang	PhD	2010-	Epidemiology and Biostatistics	Assistant Professor, Depts. of Epidemiology & Biostatistics, Harvard T.H. Chan School of Public Health, Boston, MA

Postdoctoral Research Fellows Supervised

1.	Zhibing He	PhD	2022-	Biostatistics	Postdoctoral Associate, Yale School of Public Health New Haven, CT
2.	Junhan Fang	PhD	2020-2022	Biostatistics	Manager-Asset Liability Management Modeling, Scotiabank, Toronto, Canada
3.	Jaideep C Menon	MD	2020-	Bernard Lown Scholar in Cardiovascular Health Program	Head, Preventive Cardiology Amrita Institute of Medical Sciences Kochi, Kerala
4.	Jooyoung Lee	PhD	2020-2021	Biostatistics	Assistant Professor Department of Applied Statistics Chung-ang University Seoul, Korea
5.	Elizabeth Rhodes		2019-2022	Social and Behavioral Sciences	Assistant Professor, Hubert Department of Global Health, Emory Global Diabetes Research Center, Emory University Atlanta, GA
6.	Expeditho Mtisi		2019-	Biostatistics	Biostatistician Africa Academy for Public Health Dar es Salaam, Tanzania
					Postdoctoral Research Fellow Harvard T.H. Chan School of Public Health Boston, MA
7.	Kalpana Singh		2019-	Biostatistics	Statistician Public Health Foundation of India New Delhi, India
8.	Nikhil Srinivasapura Venkateshmurthy	PhD	2018-	Bernard Lown Scholar in Cardiovascular Health Program	Project Manager Public Health Foundation of India
9.	Dalia Stern	PhD	2017-	Bernard Lown Scholar in Cardiovascular Health Program	Assistant Professor Instituto National de Salud Pública Mexico City, Mexico

10.	Rakesh PS	MD, MPH	2017-	Bernard Lown Scholar in Cardiovascular Health Program	Assistant Professor Amrita Institute of Medical Sciences and Research Centre (AIMS) Cochin, India
11.	Prajjwal Pyakurel	MBB S, MD	2016-	Bernard Lown Scholar in Cardiovascular Health Program	SAARC Tuberculosis and HIV/AIDS Centre Kathmandu, Nepal
12.	Archana Shrestha	PhD	2015- 2018	Epidemiology	Project Director Translational Research Dhulikhel Hospital Kathmandu University Hospital Dhulikhel, Nepal
13.	Xin Zhou	PhD	2015- 2018	Biostatistics	Postdoctoral Research Fellow Harvard T.H. Chan School of Public Health Boston, MA
14.	Claudia Rivera	PhD	2015- 2017	Biostatistics	Lecturer Department of Statistics The University of Aukland Aukland, New Zealand
15.	Daniel Nevo	PhD	2015- 2018	Biostatistics	Senior Lecturer Department of Statistics and Operations Research Tel Aviv University Tel Aviv-Yafo, Isreal
16.	Ashley Buchanan	PhD	2015- 2016	Biostatistics	Assistant Professor College of Pharmacy The University of Rhode Island Kingston, RI
17.	IkeOluwapo Ajayi	MD, PhD	2013- 2015	The Bernard Lown Scholars in Cardiovascular Health Program	Associate Professor, Epidemiology University of Ibadan Ibadan, Nigeria Consultant Family Physician University College Hospital, Ibadan, Nigeria Acting Head of Epidemiology & Medical Statistics Faculty of Public Health University of Ibadan Ibadan, Nigeria

18.	Olabimpe Eseyin	MPH	2013-2015	Lown Fellow	Research Coordinator, Office of Research, Strategic Information and Training, Institute of Human Virology Abuja, Nigeria
19.	Polyna Khudyakov	PhD	2010-2013	Biostatistics	Research Associate, Department of Epidemiology and Biostatistics, Harvard T.H. Chan School of Public Health Boston, MA
20.	Marina Njelekela	MD, PhD	2007-2013	HSPH-Muhimbili Bioinformatics Fellow	Executive Director of the Muhimbili National Hospital (MNH) Dar es Salaam, Tanzania
21.	Delivette Castor	PhD	2010-2011	Global Health Fellow	Epidemiologist/Statistician, Technical Leadership and Research Division, Office of HIV/AIDS, Global Health Fellows Program Washington, DC
22.	Sarah Rosner Preis	ScD	2007-2009	Epidemiology	Research Assistant Professor at Boston University School of Public Health Boston, MA
23.	Xiaomei Liao	PhD	2007-2009	Biostatistics	Research Scientist, Departments of Epidemiology and Biostatistics, Harvard T.H. Chan School of Public Health Boston, MA
24.	Innocent Semali	PhD	2006	Fogarty Fellow in Epidemiology	Public Policy Professional, Muhimbili University of Health and Allied Sciences, School of Public Health and Social Sciences Dar es Salaam, Tanzania
25.	Usha Govindarajulu	PhD	2004-2006	Biostatistics	Assistant Professor, SUNY Downstate Medical Center Brooklyn, NY
26.	Bojuan Barbara Zhao	PhD	2001-2003	Biostatistics	Professor, Statistics, Tianjin University of Finance and Economics

				Tianjin, China
27.	John Ritz	PhD	1999-2003	Biostatistics
28.	Heejung Bang	PhD	1999-2002	Biostatistics Professor, Division of Biostatistics, Department of Public Health Sciences, School of Medicine, UC Davis Davis, CA
29.	Jonghyeon Kim	PhD	2000-2002	Biostatistics
30.	Handan Wand	PhD	1998-2000	Biostatistics Lecturer (corresponds to Assistant Professor in USA) in National Center in HIV Epidemiology & Clinical Research, Sydney, Australia
31.	Enrique Schisterman	PhD	1999-2000	Epidemiology Tenure Track Investigator, Division of Epidemiology, Statistics and Prevention Research, National Institute of Child Health and Human Development Bethesda, MD

Academic Advisor - Masters and Doctoral Students

1.	Melody Owen	PhD	2022-	Biostatistics Yale School of Public Health New Haven, CT
2.	Jia Mei	MS	2022-	Biostatistics Yale School of Public Health New Haven, CT
3.	Pinyi Zhen	MS	2022-	Biostatistics Yale School of Public Health New Haven, CT
4.	Peixi Jiang	MPH	2022-	Biostatistics Yale School of Public Health New Haven, CT
5.	Yiming Li	MPH	2022-	Biostatistics Yale School of Public Health New Haven, CT
6.	Jiangnan Yi	MPH	2022-	Biostatistics Yale School of Public Health New Haven, CT

7.	Zachary Frere	PhD	2021-	Biostatistics	Yale School of Public Health New Haven, CT
8.	Xinning Shan	MS	2021-	Biostatistics	Yale School of Public Health New Haven, CT
9.	Jiaqi Tong	MS	2021- 2022	Biostatistics	Yale School of Public Health New Haven, CT
10.	Zimo Yang	MS	2021- 2022	Biostatistics	Yale School of Public Health New Haven, CT
11.	Ziqiu Zheng	MS	2021- 2022	Biostatistics	Yale School of Public Health New Haven, CT
12.	Peixi Jiang	MPH	2021- 2022	Biostatistics	Yale School of Public Health New Haven, CT
13.	Yiming Li	MPH	2021- 2022	Biostatistics	Yale School of Public Health New Haven, CT
14.	Chao Cheng	PhD	2020-	Biostatistics	Yale School of Public Health New Haven, CT
15.	Ariel Chao	MPH /PhD	2019-	Biostatistics	Yale School of Public Health New Haven, CT
16.	Zibo Tian	MS	2019- 2020	Public Health	Yale School of Public Health New Haven, CT
17.	Zizhong Tian	MS	2019- 2020	Public Health	Yale School of Public Health New Haven, CT
18.	Ran Tu	MPH	2019- 2020	Biostatistics	Yale School of Public Health New Haven, CT
19.	Fangyi Wang	MPH	2019- 2020	Biostatistics	Yale School of Public Health New Haven, CT
20.	Anna Aiuppa	MPH	2018- 2020	Biostatistics	Yale School of Public Health New Haven, CT
21.	Hongyu Li	PhD	2018- 2019	Biostatistics	Yale School of Public Health New Haven, CT
22.	Chang Su	PhD	2018- 2019	Biostatistics	Yale School of Public Health New Haven, CT
23.	Oluwatomi Adeoti	MPH	2017- 2018	Quantitative Methods	Harvard T.H. Chan School of Public Health Boston, MA
24.	Louisa Smith	PhD	2016- 2018	Population Health Science	Harvard T.H. Chan School of Public Health Boston, MA

25.	Alexandra Bellows	MSc	2015-2016	Epidemiology	Harvard T.H. Chan School of Public Health Boston, MA
26.	Qiu-Yue Zhong	PhD, MSc	2014-2015	Epidemiology, Biostatistics	Harvard T.H. Chan School of Public Health Boston, MA
27.	Temitope Kusa	MPH	2014	Epidemiology	Harvard T.H. Chan School of Public Health Boston, MA
28.	Olubode Olufajo	MPH	2012	Public Health	Research Fellow in Surgery, Brigham and Women's Hospital Boston, MA
29.	Nora McCormick	MSc	2012-2014	Epidemiology	Statistician, Department of Epidemiology and Biostatistics, Harvard T.H. Chan School of Public Health Boston, MA
30.	Uzoma Ononogbu	MSc	2012-2013	Epidemiology	Senior Analyst, Clinical Analytics at Evolent Health Washington D.C.
31.	Expeditho Mtisi	MSc	2012-2013	Applied Biostatistics	Statistician, Management and Development for Health (MDH) Dar es Salaam, Tanzania
32.	Renicha McCree-Hale	MPH	2011-2013	Global Health Initiative Intern	Cancer Prevention Fellow, National Cancer Institute (NCI) Washington D.C.
33.	Eric Tchetgen		2000	Epidemiology Summer Program	Luddy Family President's Distinguished Professor Professor of Statistics Statistics Department Wharton University of Pennsylvania Philadelphia, PA

Masters Thesis Research Supervisor

1.	Jiafang Song	MS	2020-2021	Biostatistics	Yale School of Public Health New Haven, CT
2.	Jiachen Cai	MS	2020-2021	Biostatistics	Yale School of Public Health New Haven, CT

3.	Jiachen Chen	MS	2019-2020	Biostatistics	Yale School of Public Health New Haven, CT
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Reader

1.	Catherine Stratton	MPH	2020	Public Health	Yale School of Public Health New Haven, CT
2.	Margaret S. Pichardo	PhD	2020-	Chronic Disease Epidemiology	Yale School of Public Health New Haven, CT

Mentee Awards

Chao Cheng, JSM Student Paper Award, Biometrics Section, American Statistical Association, 2023
 Chao Cheng, Student Paper Travel Award, International Conference on Health Policy Statistics, 2023

Chao Cheng, Distinguished Student Paper Award, International Biometric Society (ENAR), 2023
 Archana Shrestha, LMIC Travel Scholarship, AcademyHealth Dissemination and Implementation Conference, 2022

Bandana Paneru, LMIC Travel Scholarship, AcademyHealth Dissemination and Implementation Conference, 2022

Colleen Chan, Florence Nightingale Award, International Biometric Society – Caucus for Women in Statistics, 2022.

Coleen Chan, Young Statistician Award, International Biometric Society, 2022.

Colleen Chan, Conference Travel Fellowship, Yale Graduate Student Assembly, 2019, 2022.

En Cheng, AACR AbbVie Scholar in Training Award, American Association for Cancer Research, 2021

Professional Service (national and international)

Data Safety Monitoring Board, "Maximizing Extubation outcomes Through Educational and Organizational Research (METEOR) Trial," PI Timothy Girard, 2021-2022

Yale School of Public Health Research Advisory Committee (RAC), 2021-

Faculty Standards of Conduct Review Committee, Yale University, 2021-

Advisory Board, Smilow Cancer Hospital onco-hospitalist implementation evaluation. Smilow Cancer Hospital. New Haven, CT, 2021-

National Institute of Allergy and Infectious Diseases Special Emphasis Review Panel ZAI1-JBS-A-J2; RFA-AI-20-023 Limited Competition: International Epidemiology Databases to Evaluate AIDS, Virtual, Dec 2020.

Member, Advisory Committee, "Building Nepal's Research Capacity to Address Behavioral and Environmental Risk Factors of Non-communicable Diseases (bRISK), 2020-

National Institute of Health Scientific Review Panel 2020/PAR-19-376: mHealth Technologies and Outcomes in Low- and Middle-Income Countries; Washington, DC. Feb 2020.

Member, Global Health Concentration (GHC) Committee. Yale School of Public Health. New Haven, CT, 2019-

Member, Enabling translation of Science to Service to Enhance depression Care (ESSENCE) Trial Steering Committee. National Institute of Mental Health, NIH. Madhya Pradesh, India, 2019-

Member, Cochrane China Workgroup on Implementation Science. Sun Yat-sen University Global Health Institute (SGHI). Sun Yat-sen University School of Public Health. Guangzhou, China. 2018-

Team Leader, Systematic review on Effect Modification by gender or sex in Associations with PM2.5 and Cardiovascular outcomes in adults, Yale University and Public Health Foundation India (PHFI), 2018-

Advisory Board Member for Institute for Implementation Science in Population Health. City University of New York, New York, NY. 2018-

Reviewer, Promotion Review Committee for Professor Brisa Sanchez, 2017

External Advisory Committee to the Household Air Pollution Investigation Network (HAPIN) Trial. Emory University, Atlanta, GA. Sep 2017.

Member, U19 Scientific Advisory Board, Theresa Betancourt, PI, 2016-

Member, French cohorts evaluation jury, Agence Nationale de la Recherche, Direction des Grands Projets d'Investissements de l'Etat, Paris, France, 2017

Independent Data Monitoring Committee (IDMC) for 'Virus Persistence Study' Sierra Leone Ministry of Health and Sanitation, the World Health Organization, the US Centers for Disease Control and Prevention, and the Chinese Centers for Disease Control and Prevention, 2016-2017.

Co-Chair, PEPFAR Working Group on Data-driven Decision Making, 2016-

Co-Chair, HIV EPI Control Conference Data Task Force, 2016-

Member, the National Drug Abuse Treatment Clinical Trials Network (CTN), 2016-2017

Member, Swiss Re, Life-Expectancy in Emerging Markets Committee, 2013-

Faculty Champion, Society for Epidemiologic Research SERTalks, 2013-

Member, Advisory Committee, Shanghai Women's Health Study, Vanderbilt Epidemiology Center Institute of Medicine & Public Health, 2013-

Member, Advisory Committee, Shanghai Men's Health Study, Vanderbilt Epidemiology Center Institute of Medicine & Public Health, 2012-

Member, Scientific Advisory Board, Pattern of Non-Communicable diseases in People Living with HIV/AIDS in Nigeria, Institute of Human Virology, Abuja, Nigeria 2012-

External Advisory Board, EMD Serono Egrifta, Boston, MA, 2011-2013

External Advisory Board, Adventists' Health Study, Loma Linda University, Loma Linda, CA, 2009-

External Advisory Board, California Teachers' Study, University of Southern California, Los Angeles, CA, 2008-

External Advisory Board, Multi-ethnic Cohort Study, Honolulu, HI, Oct. 2003-

Referee for *Am J Epidemiol*, *Stat Med*, *Biometrics*, *J Am Stat Assoc*, *Biometrika*, *American Statistician*, *Am J Public Health*, *Epidemiology*, *Cancer Causes and Control*, *Cancer*, *Int J Epidemiol*, *Biostatistics*, *Nutrition*, *J Natl Cancer Ins*, *Cancer Epidemiology Biomarkers and Prevention*, 1991-

National Institute of Health Scientific Review Panel 2013/05 ZRG1 PSE-H (02): Environmental Epidemiology, Obesity and Health, 2013

NCI P01 Program Review Panel, Rockville, MD, May 26-27, 2010

Elected Member of the Executive Board, Society for Epidemiologic Research, 2004-2007.

Statistical Editor, *Am J Epidemiol*, 2001-2007.

Guest faculty mentor, Student Workshop, Society for Epidemiologic Research, 2001, 2007.

National Institute of Health Study Section EPIC "Epidemiology of Cancer", Mar 2-3, 2006; Oct 19-20, 2006; Jun 12-13, 2007.

National Institute of Health Study Section ZRG1 HOP-D (50) "Improving Diet and Physical Activity Assessment", Jun 16, 2005.

Chair, Section on Statistics in *Epidemiology*, American Statistical Association, 2000-2001.

Associate Editor, *Am J Epidemiol*, 1999-2001

External Reviewer, National Institute of Environmental Health Sciences Committee on Hiring, 2000.

Invited participant, National Institutes of Health Workshop on Breast Cancer Risk Prediction, 1998.

Member, Oversight Committee of Physical Activity Promotion of Cardiovascular Disease Risk Reduction, Harvard Community Health Plan, Boston, MA, 1995-1997.

Member, National Research Council Committee on Toxicological and Performance Aspects of Oxygenated Motor Fuels, 1996.

Proposal reviewer, The Milton Fund, Harvard Medical School, 1995.

Reviewer of *Measurement error in non-linear models* (Carroll RJ, Stefanski LA, Ruppert D), for Chapman and Hall, 1994.

Proposal reviewer, National Sciences and Engineering Research Council of Canada, 1992.

Review panel member, National Institutes of Health Study Section, SSS-1(R2), 1992

Professional Service

Yale School of Public Health and Yale University

CMIPS Inaugural Directorship and Director of the PhD and MS Implementation and Prevention Science Methods Pathways, Department of Biostatistics

Assistant Director, Global Oncology Program, Yale Cancer Center, 2019-

Member, Cancer Prevention and Control (CPC) Research Group, Yale Cancer Center, 2018-

Member, Implementation Science Steering Committee, Center for Interdisciplinary Research on AIDS (CIRA), 2018-

Member, Global Health Concentration Committee, 2018-

Director, Interdisciplinary Research Methods Core, Center for Interdisciplinary Research on AIDS (CIRA), 2018-

Chair, Search Committee, CMIPS Biostatistics Junior Faculty, 2018

Member, Search Committee, Assistant/Associate Professor for Department of Health Policy and Management, 2018-

Member, Search Committee, Assistant/Associate Professor for Department of Health and Social Behavior, 2018-2019

Affiliate of Yale Center for Implementation Science (YCIS), 2018-

Chair, Public Health Working Group, Dean's Advisory Council for LGBTI+ Affairs, 2020-

Member, Dean's Committee on Endowed Chairs, 2020-

Member, Standing Advisory and Appointments Committee for the School of Management, 2021-2022

Harvard T.H. Chan School of Public Health and Harvard University

Chair, Health Professionals Follow-up Study (HPFS) External Advisory Board, 2018-

Associate Faculty Member, Ariadne Labs, 2017-

Chair, Reappointment Review Committee for Chris Sudfeld, 2017

Member, Search Committee, Assistant/Associate Professor of Child Health, 2015-2016

Vice Chair, Standing Committee on Appointments, Reappointments, and Promotions, 2014-2016

Member, HSPH DrPH Admissions Committee, 2014

Member, Search Committee, Assistant Professor of Nutrition and Global Health, 2014-2015

Member, Lown Steering Committee, 2013-

Member, Standing Committee on Appointments, Reappointments, and Promotions, 2013-2016

Affiliated Faculty Member, Women, Gender, and Health program, 2013-

Member, Search Committee, Professor of Neuro-Psychiatric Epidemiology, 2013-2014

Mentor, Cardiovascular Epidemiology Training Grant, 2012-

Member, Department of Epidemiology Admissions Committee, 2011-2018

Member, Department of Biostatistics Curriculum Committee, 2011-2018

Member, Advisory Group for Metrics and Analysis, Office of the Senior Vice Provost for Faculty Development and Diversity and the Office for Institutional Research, Harvard University, Sept. 2006-

Member, Committee on Concerns of Women Faculty, 1993-1994, 2005-

Associate, Center for Cancer Prevention, Dept. of Epidemiology,
Harvard School of Public Health, 1995-

Associate, Center for Biostatistics in AIDS Research, Department of Biostatistics,
Harvard School of Public Health, 1995-

Faculty Advisor, Epidemiology 205, The Practice of Epidemiology, Spring 2013

Member, Promotion Review Committee for Professor Christoph Lange,
Department of Biostatistics, 2012-13

Member, Dept. of Epidemiology Admissions and Financial Aid Working Group, Fall 2012

Member, Promotion Review Committee for Professor George Seage,
Department of Epidemiology, 2011-12

Member, Search Committee, Assistant/Associate Professor of Cancer Epidemiology, 2011

Chair, Committee on Gender Equality, Department of Epidemiology, 2007-2010

Member, Newsletter Committee, Department of Biostatistics, 1998-1999, 2005-2010.

Chair, Methods Section, Department of Epidemiology Doctoral Qualifying Examination, 1999-2006

Member, Committee on Educational Policy, 2002-2005.

Member, Search Committee, Professor of Environmental Health, 2003-2005.

Member, Search Committee, Assistant/Associate Professor of Clinical Epidemiology, 2004-2005.

Member, Ad hoc Committee to Evaluate Masters of Science Program, 2004-2005.

Member, Seminar Committee, Biostatistics, 2004-2005.

Member, Post-doctoral Fellow Committee, Department of Biostatistics, 1998-2003.

Member, Practical Training Committee, Department of Biostatistics, 1999-2001.

Member, Future of Epidemiology Symposium Planning Committee, 2000

Member, Search Committee, Assistant/Associate Professor of Infectious Disease Epidemiology, 1997-1998.

Co-chair, Environmental Statistics Committee, Department of Biostatistics, 1996-1997.

Co-Chair, Colloquium Committee, Department of Biostatistics, 1995-1996

Member, Environmental Statistics Committee, Department of Biostatistics, 1995-1996

Member, Committee on Biostatistics and Epidemiology Core Curriculum, 1993-1994

Community Service

President, Secretary, Oceanside Condominium Association, 2021-2023

Member, Board of Directors, Sandy Point Neighborhood Association, 2021-

Professional Affiliations

Member, John Snow Society, 2020-

Member, the Biometric Society, Eastern North America Region, 1987-

Member, American Public Health Association, 1985-

Member, American Statistical Association, 1984-

Member, Society for Epidemiologic Research, 1983-

Research Grants Awarded

Principal Investigator, NIH/NCI 1 R21 CA267900, "Interventions to increase adherence to cervical cancer early detection and treatment recommendations in Mexico City clinics," \$341,378, 2022-2024.

Co-Investigator, NIH/NIMH 1R21 AI169643, "FINISHING HIV: An EHE model for Latinos Integrating One-Stop-Shop PrEP Services, a Social Network Support Program and a National Pharmacy Chain," \$757,964, 2022-2027.

Supplement Co-Principal Investigator, NIH/NIMH 3P30MH062294-19S2, "Project Relevant Implementation Strategies to Enhance (RISE) Status Neutral Community Health Workers in Alabama and Missouri (AL-MO)," \$ 423,949, 2022-2023

Co-Investigator, PCORI, "Community-based, family-centered, trauma-informed approach to timely detection and management of early postpartum hypertension," \$2,701,210, 2022-2027

Co-Investigator, NIH 1R01MD017526, "TRUE HAVEN: TRUSted rEsidents and Housing Assistance to decrease Violence Exposure in New Haven," \$453,111, 2022-2027.

Supplement Principal Investigator, NIH/NCI 3P30CA016359-42S2, "Cancer Stigma and Cervical Cancer Screening Attendance: A Population Based Study in Nepal," \$181,997, 2021-2022.

Supplement Project Director, NIH/NIMH 3P30MH062294-19S2, "R3EDI - Rigorous, Rapid, & Relevant Evidence aDaptation & Implementation to EHE," \$970,464, 2020-2023

Supplement Project Co-Director, NIH/NIMH 3P30MH062294-19S1, "St. Louis Enhancing Engagement and Retention in HIV/AIDS Care" (STEER), \$331,269 , 2021-2022

Co-Principal Investigator, YCC Translational-Targeted Area of Research Excellence (T-TARE) Award, "A Pilot Study of Interventions to Increase Adherence to Cervical Cancer Early Detection and Treatment Recommendations in Connecticut," \$100,000, 2021-2022

Co-Principal Investigator, Reckitt Global Hygiene Institute RCP100737ITDC, "Using Implementation Science Methods to Assess Impacts of Respiratory Hygiene and Safe Return to Work Protocols (STRW) in the COVID-19 Era," \$299,068, 2021-2023

Principla Investigator, NIH T32HL155000, "Training in Implementation Science Research and Methods," \$715,817, 2021-2026

Principal Investigator, NIH/FIC 1R21TW011718-01, "Building Capacity to Evaluate Package of Essential Non-Communicable Disease Interventions (PEN) in Nepal - An Implementation Study," \$137,204, 2020-2022

Co-Investigator, NIH/NHLBI 1UG3HL154501-01, "PULESA-UGANDA: Strengthening the Blood Pressure Care and Treatment Cascade for Ugandans Living with HIV—ImplEmentation Strategies to SAve Lives," \$652,591, 2020-2025

Principal Statistician, NIH/NIMHHD 3U54MD010711-05S1, "Community-Engaged Research on COVID-19 Testing in the US Territories," \$3,740,347, 2020-2022

Co-Investigator, Fogarty International Center/NIH/DHHS 1D43TW011324-01A1, "Malaysian Implementation Science Training (MIST) Program in HIV," \$1,498,101, 2020-2024

Co-Investigator, YCC Internal Co-Pilot Award, "Cervical Cancer Prevention in Low Resource Setting," \$100,000, 2019

Co-Investigator, NIH/NIAAA 1R13AA025838-01, "The Moderate Alcohol and Cardiovascular Health Trial (MACH15)," \$45,000, 2018-2019

Principal Investigator, NIH/NIEHS R01ES026246-01, "Statistical Methods to Account for Exposure Uncertainty in Environmental Epidemiology," \$2,861,025, 2018-2023

Director, Interdisciplinary Research Methods Core, NIH/NIMH 2 P30 MH062294-16, "Center for Interdisciplinary Research on AIDS (CIRA)," \$7,787,229, 2001-2023

Director, Implementation Science Core, NIH/NCCIH 5 U24 AT009769-02, "Pain Management Collaboratory Coordinating Center (PMC3)," \$11,527,806, 2017-2023

Statistician, NCI UM1 CA167552, "Cancer Epidemiology Cohort in Male Health Professionals," \$1,884,447, 2017-2022

Co-Investigator, NIH/NIAA U10AA025286, "The Moderate Alcohol and Cardiovascular Health Trial (Harvard Biostatistical and Biospecimen Core)," \$442,547, 2016-2021

Principal Statistician, NIH R01 CA050385, "Risk Factors for Breast Cancer in Younger Nurses," 2015-2020

Principal Statistician, "Studying the impact and performance of Institutionalizing Immediate Post-Partum IUD Services as a routine part of antenatal counselling and delivery room services in Sri Lanka, Tanzania, and Nepal," 2015-2019

Principal Statistician, NIH 1R01HL122624-01, "Trial of Vitamin D Supplementation to Prevent TB Infection in Schoolchildren," 2014-2020

Principal Investigator, NIH/NIAID 5R01AI112339-04, "New methods for the design and evaluation of large HIV prevention interventions," \$450,545, 2014-2019

Principal Investigator, NIH/NIEHS 5DP1ES025459-04, "Comprehensive Translational Science Analytics Tools for Global Health Agenda," \$500,000, 2014-2019

Co-Investigator, NIH/NIDDK 1R01DK101495-01, "Inflammation and Risk of Diverticulitis," \$138,128, 2014-2018

Principal Investigator, NIH NIAID AI112339, "New methods for the design and evaluation of large HIV prevention interventions," \$671,787, 2014-2018

Principal Statistician, Dept. of Defense W81XWH-14-1-0131, "Identification of Premotor Parkinson disease," 2014-2017

Principal Statistician, NIH R01DK099360, "Type 2 Diabetes and Sexual Orientation Disparities in Women," 2014-2017

Principal Investigator, Clinton Health Access Initiative No number available, "MaxART Program: Maximizing ART for Better Health and Zero New HIV Infections," \$140,707, 2014-2015

Principal Statistician, NIH/NIAMS U34AA023258-01, "Planning Grant for a Multi-Center RCT of Moderate Alcohol Use on Chronic Disease" \$49,638, 2014-2015

Principal Statistician, NIH/NIAMS U34, "Planning grant for a multi-center RCT of moderate alcohol use on chronic disease," \$49,638, 2014-2015

Principal Statistician, R01 HL060712, "Dietary patterns and risk of cardiovascular disease" 2013-2018

Principal Statistician, NIH/NCI UM1 CA176726, "Life Course Cancer Epidemiology Cohort in Women" 2013-2018

Principal Statistician, NIH R01NS045893, "Prospective study of biomarkers and risk factors for ALS incidence and progression" 2013-2018

Principal Statistician, NIH UM1 CA167552, "Cancer Epidemiology Cohort in Male Health Professionals," \$1,569,229, 2012-2017

Principal Statistician, NIH R01 CA160246, "Circulating fatty acids and breast cancer risk: a prospective study," \$1,258,752, 2012-2016

Principal Statistician, Elton John AIDS Foundation, "Evaluation of Interventions to Achieve Universal Access for PMTCT Services & Reduce Mother-to-Child Transmission of HIV in Dar es Salaam," 2012-2014

Principal Statistician, NIH NS073633 "Vitamin D, Epstein-Barr virus infection, and cigarette smoking and risk of multiple sclerosis among women in the Finnish Maternity Cohort and their offspring," \$509,757, 2011-2016

Principal Statistician, NIH NS072494, "Pooling of Prospective Studies of Diet, Lifestyle and ALS," \$125,000, 2011-2015

Principal Statistician, NIH/NHLBI HL035464 "Dietary Etiologies of hypertension Disease and Cancer" \$ 530,237, 2010-2015

Principal Statistician, 5U2GPS001966-02, "Implementation of Programs for the Prevention, Care and Treatment of HIV/AIDS in the United Republic of Tanzania," \$9,057,768, 2010-2015

Principal Statistician, NIH/NCI CA152904 "Validity of Diet and Activity Measures in Men," \$2,175,700, 2010-2014

Principal Investigator, NIH NCI CA50597-13A2, "Measurement errors in cancer epidemiology," \$371,836, 2010-2014

Principal Investigator, NIH NIEHS ES09411, "Measurement errors in environmental epidemiology," \$372,045, 2009-2015

Principal Statistician, NIH NCI CA050385, "Risk Factors for Breast Cancer Among Younger Nurses," \$1,639,490, 2009-2014

Principal Statistician, NIH/NICHD HD057941, "Malaria in Pregnancy: Nutrition and Immunologic Effects," \$434,769, 2009-2014

Principal Statistician, NIH/NINDS NS061858-01A1 "Urate as a Predictor of Parkinson's Disease Risk and Progression," \$551,786, 2009-2014

Principal Statistician, NIH DK082486 "Dietary Polyphenols, Urinary Biomarkers and Risk of Type 2 Diabetes," \$246,052, 2009-2012

Principal Statistician, NIH/NINDS NS062879 "Prospective Study of Restless Legs Syndrome," \$100,430, 2009-2012

Principal Statistician, NIH HL091874 "Endothelial Dysfunction, Oxidative Stress and Risk of Peripheral Arterial Disease," \$765,322, 2009-2011

Principal Statistician, NIH/NCI CA055075 "Validity of Diet and Activity Measures in Women," \$2,005,198, 2009-2011

Principal Statistician, NIH/NINDS NS046635, "Prospective Study of Vitamin D and Multiple Sclerosis," \$469,901, 2008-2013

Principal Statistician, NIH/NIEHS ES014433, "Mercury, Selenium and Risk of Cardiovascular Disease in Women and Men," \$363,577, 2007-2012

Principal Statistician, NIH HD048969, "A trial of zinc and micronutrients in Tanzanian children," \$311,533, 2006-2011

Principal Statistician, NIH/NHLBI HL085710, "Fatty acids and major cardiovascular outcomes," \$362,645, 2006-2011

Principal Statistician, NIH NIDDK, "Endogenous hormones and the risk of endometriosis," \$32,387, 2006-2011

Co-principal Investigator, NIH NCI CA50597-13A2, "Measurement errors in cancer epidemiology," \$391,014, 2006-2010

Principal Statistician, NIH/NHLBI HL060712, "Dietary patterns and risk of cardiovascular disease", \$409,502, 2005-2011

Principal Statistician, NIH NICHD HD32557, "Trials of vitamins in HIV progression and transmission," \$592,343, 2005-2010

Principal Statistician, NIH NS04767-01, "Molecular epidemiology of EBV and Multiple Sclerosis," \$382,672, 2005-2009

Principal Statistician, U51 HA02522 "Rapid Expansion of Antiretroviral Programs," \$15,098,808, 2004-2012

Director Interdisciplinary Research Methods Core, NIH/NIMH 2P30MH062294-16, Center for Interdisciplinary Research on AIDS (CIRA), \$935,265, 2001-2023

Principal Statistician, NIH NINDS NS42194, Pre-diagnostic biomarkers of infection and risk of multiple sclerosis," \$225,816, 2001-2010

Principal Statistician for Population Sciences, NIH NCI P30 CA06516, Harvard University/Dana Farber Cancer Institute Cancer Center Support Grant - Biostatistics Core," \$33,390, 2000-2017

Co-principal Investigator, NIH NCI CA50597, Measurement error in cancer and respiratory epidemiology," \$137,123 to HSPH sub-contract, 2000-2005

Principal Statistician, NIH AI48006, HIV Prevention Trial Unit," \$801,848, 2000-2005

Principal Statistician, NIH HD37701, Trial of micronutrient and adverse pregnancy outcomes," \$793,356, 2000-2004

Principal Investigator, NIH NIEHS ES09411, "Measurement errors in environmental epidemiology," \$141,018, 1999-2005

Principal Statistician, NIH HL58904, Pooling of cohort studies on diet and coronary disease," \$288,446, 1999-2002

Principal Statistician, NIH NS35624, "Dietary etiologies of multiple sclerosis and Parkinson's," \$114,491, 1997-2002

Principal Statistician, NIH NIAAA AA01181, "Alcohol and chronic disease among vulnerable populations," \$375,283, 1997-2009

Principal Statistician, NIH NCI CA65725, "A cohort study of genetic susceptibility to breast cancer," \$52,824, 1996-2001

Principal Investigator, NIH NCI CA74112, "Measurement error in occupational cancer studies," \$130,783, 1996-2000

Principal Statistician, NIH NCI CA67262, "Pre-menopausal hormone levels and risk of breast cancer," \$1,082,503, 1996-2012

Principal Statistician, NIH NICHD HD32257, "Trials of vitamins in HIV progression and transmission," \$573,319, 1994-2004

Principal Investigator, Harvard School of Public Health Innovations in Teaching Award, \$3,000, 1994

Co-principal Investigator, NIH NCI CA50597, "Measurement error in cancer and respiratory epidemiology," \$49,802 to HSPH sub-contract, 1993-2000

Principal Statistician, NIH NCI CA55075 Program Project, "Prospective studies of diet and cancer in men and women," \$4,521,500, 1992-2012

Principal Statistician, NIH NCI CA67262, "Risk Factors for Breast Cancer Among Younger Nurses," \$1,944,515, 1991-2004

Principal Investigator, NIOSH SERCA OH00106, "Measurement error in occupational epidemiology," \$50,000, 1990-1994

The Curriculum Vitae is true and correct for activities up to January 3, 2023, as of my review
on January 19, 2023



Donna Spiegelman