

Julian Wolfson, Ph.D.

A460 Mayo Building MMC 303
425 Delaware St SE
Minneapolis, MN 55455
612-625-9514

julianw@umn.edu

Twitter: @DrJWolfson

Employment

2018-present

- Associate Professor, Division of Biostatistics, School of Public Health, University of Minnesota
- Director of Graduate Studies, Division of Biostatistics, School of Public Health, University of Minnesota
- Chief Innovation Officer, Daynamica, Inc.

2010-2018

- Assistant Professor, Division of Biostatistics, School of Public Health, University of Minnesota

Education

2004-2009

- **Ph.D., Biostatistics**, University of Washington, Seattle, Washington

2001-2004

- **B.Sc. (Joint Honours), Mathematics and Computer Science**, McGill University, Montreal, Canada
-

Service

Editorships

- Associate Editor for Reproducibility, *Journal of the American Statistical Association*, 2016-present
- Associate Editor, *International Journal of Biostatistics*, 2017-present

- Editorial Board Member (statistical reviewer), *Neurosurgery*, 2018-present

Journal Reviewer

- *American Journal of Cardiology*
- *American Journal of Epidemiology*
- *Annals of Applied Statistics*
- *Annals of Epidemiology*
- *Biometrics*
- *Biostatistics*
- *BMC Medical Research Methodology*
- *BMC Medicine*
- *Circulation: Cardiovascular Quality & Outcomes*
- *Clinical Cancer Research*
- *Clinical Trials*
- *Electronic Journal of Statistics*
- *Global Epidemiology*
- *Hypertension*
- *IEEE Transactions on Biomedical Engineering*
- *International Journal of Biostatistics*
- *Journal of Applied Statistics*
- *Journal of Infection*
- *Journal of the Royal Statistical Society*
- *Journal of the American Heart Association*
- *Journal of the American Statistical Association*
- *Medical Decision Making*
- *Neurosurgery*
- *Pharmacoepidemiology and Drug Safety*
- *PLOS ONE*
- *Preventive Medicine Reports*
- *R Journal*
- *Statistical Science*
- *Statistics in Medicine*

Scientific review panels

- Addressing Suicide Research Gaps (NIH), multiple meetings 2018-2020
- Methodology and Measurement in the Behavioral and Social Sciences (NIH), multiple meetings 2018-2019
- Institute for Multidisciplinary Research in Quantitative Modeling and Analysis (Universite Catholique de Louvain), 2017
- PCORI Methods Cycle 2, 2016

Data and Safety Monitoring Boards (DSMBs)

As unblinded statistician

- LIFE-HIV, 2014-2019
- TACTICAL-HIV, 2015-2019
- PREVAIL I, 2015-2016

As DSMB committee member

- Extended Release Exenatide Versus Placebo In Diabetic Patients With Type 4 Cardiorenal Syndrome, 2015-present
- Adherence Wizard, 2019-present

Committee Memberships

- ICHPS Student Paper Award Committee, 2019
- ENAR Van Ryzin Student Paper Award Committee, 2012-2014

University-wide service

- University Learning Technology Advisors (ULTA) committee member, 2016-2018
- Center for Cognitive Sciences (CCS) Taskforce member, 2011

Collegiate Service

- Chair, SPH Educational Policy Committee, 2019-present.
- Member, SPH Educational Policy Committee, 2018-present.
- Assistant Dean for Enrolled Student Experience search committee chair, 2019-2020.
- Assistant Director of Recruitment and Admissions search committee member, 2019.
- SPH Data Insights Group, 2018-2020.
- SPH web taskforce member, 2010-2012, 2013-2015, 2017-2019.

Department Service

- Director of Graduate Studies, Division of Biostatistics, 2018-present.
- Member, Division of Biostatistics Education Committee, 2018-present.
- Member, Division of Biostatistics Admissions Committee, 2010-present.
- Faculty advisor, Clinical Trials in Heart, Lung, and Blood Disease T32 Training Grant, 2016-present.
- Co-Chair, Division of Biostatistics Recruiting Committee, 2010-2018.
- Chair, Division of Biostatistics Computing Committee, 2011-2018.

Advising and Mentoring

Master's Projects Supervised

Bold = Completed (graduation date in parentheses)

- Finn Roberts

- Greg Knowlton
- **Jiemin Yang** (Summer 2020)
- **Meghana Bhimarao** (Summer 2019)
- **Siyang Ren** (Fall 2019)
- **Ben Mayhew** (Fall 2019)
- **Rebecca Freese** (Summer 2018)
- **Nick Roetker** (Fall 2017)
- **Matt Partridge** (Fall 2017)
- **Rachael Rivard** (Fall 2016)
- **Lauren O'Keefe** (Summer 2015)
- **Camaren Terrill** (Spring 2015)
- **Tim Weaver** (Summer 2014)
- **Ashwini Venkatasubramaniam** (Summer 2014)
- **Craig Meyer** (Fall 2013)
- **Christopher Miller** (Summer 2012)

Masters Committee Membership

- Yinuo Zeng (Statistics, Summer 2020)
- Evan Olawsky (Biostatistics, Summer 2020)
- Zachary Gilfix (Statistics, Spring 2020)
- Tushar Patni (Biostatistics, Fall 2019)
- Bryce Murphy (Kinesiology, Spring 2019)
- Yoon Son Ahn (Biostatistics, Spring 2019)
- Olufunmilayo Arogbokun (Epidemiology, Spring 2018)
- Akshay Kulkarni (Data Science, Spring 2017)
- Jacqueline Logan (Epidemiology, Spring 2017)
- Andrew St. Martin (Biostatistics, Summer 2016)
- Amanda Swanson (Epidemiology, Spring 2016)
- Nick Dirckx (Epidemiology, Spring 2016)
- Corrie Vihstadt (Integrative Health & Well-Being, Fall 2015)
- McKinzie Woelfel (Epidemiology, Fall)
- Guillaume Onyeagahala (Epidemiology, Summer 2015)
- Christopher Campbell (Epidemiology, Summer 2015)
- Georgios Kotsakis (Dentistry, Spring 2015)
- Seth Rowley (Epidemiology, Fall 2014)
- Ann Linde (Epidemiology, Summer 2014)
- Wenchao Li (Epidemiology, Summer 2014)
- Zhongnan Jin (Statistics, Summer 2014)
- Michelle Warren (Biostatistics, Spring 2014)
- Kelsey Brown (Epidemiology, Spring 2016)
- Tianbi Men (Statistics, Summer 2013)

- Jae Joon Song (Biostatistics, Summer 2013)
- Ange Pang (Statistics, Fall 2012)
- Jared Shenk (Epidemiology, Fall 2012)
- Yingliang Zheng (Statistics, Fall 2011)
- Anna Simon (Epidemiology, Spring 2011)

Doctoral Dissertations Supervised

Bold = Completed

- Shannon McKearnan [w/ David Vock] (Biostatistics PhD, 2017-present)
- Andy Becker (Biostatistics PhD, 2018-present)
- Ziyu Ji (Biostatistics PhD, 2019-present)
- **Roland Brown** (Biostatistics PhD, Spring 2020)
- **Ben Brown** (Biostatistics PhD, Summer 2017)
- **Brandon Koch** (Biostatistics PhD - co-advisor [w/ David Vock], Summer 2018)

Doctoral Committee Membership

- David Margraf (Experimental & Clinical Pharmacology)
- Rebecca Brown (Nursing)
- Tess Peterson (Epidemiology)
- Elizabeth Polter (Epidemiology)
- Tyler Richter (Epidemiology)
- Jake Wittman (Entomology)
- Yaqiong Wang (Decision Sciences)
- Rebecca Brown (Nursing)
- Jincheng Zhou (Biostatistics, Spring 2019)
- Samuel Callisto (Pharmacy, Summer 2019)
- John Ssenkusu (Biostatistics, Spring 2018)
- Helen Fu (Nursing, Spring 2018)
- Aaron Berger (Epidemiology, Currently Active)
- Mary Whipple (Nursing, Currently Active)
- Maria Sundaram (Epidemiology, Spring 2018)
- Kara Gavin (Epidemiology, Spring 2018)
- Jon Miller (Epidemiology, Fall 2017)
- Era Kim (Health Informatics, Summer 2018)
- Sam Fahrner (Entomology, Spring 2018)
- Jason Brown (Epidemiology, Fall 2017)
- Chen Gao (Biostatistics, Fall 2017)
- Sirikan Rojanasart (Pharmaceutical Care and Health Systems PhD, Fall 2017)
- Aaron Molstad (Statistics, Spring 2017)
- Dylan Galos (Epidemiology, Spring 2017)

- Craig Meyer (Epidemiology, Spring 2016)
- Jason Brown (Epidemiology, Fall 2016)
- Mariam Ahmed (Experimental and Clinical Pharmacology, Fall 2016)
- Chay Ngee Lim (Experimental and Clinical Pharmacology, Fall 2016)
- Sandra Long (Health Informatics, Fall 2016)
- Meghan JaKa (Epidemiology, Summer 2016)
- Sunayan Bandyopadhyay (Computer Science, Winter 2016)
- Molly Moore Jeffery (Health Policy and Management, Spring 2015)
- Erin Austin (Biostatistics, Summer 2014)
- Bradley Price (Statistics, Summer 2014)
- Michel Boudreaux (Health Policy and Management, Summer 2014)
- Qian Ren (Biostatistics, Fall 2012)
- Ghada Ahmed (Experimental & Clinical Pharmacology, Fall 2012)

Publications

- *Italics* = student author directly supervised by Dr. Wolfson.
- † = student author for whom Dr. Wolfson served in an advisory role (e.g., as a member of PhD or Masters committee)

Peer-reviewed journal articles

Methodological

1. Gonzalez Ginestet P, Kotalik A, Vock DM, **Wolfson J**, Gabriel EE. Stacked inverse probability of censoring weighted bagging: A case study in the InfCareHIV Register. *Journal of the Royal Statistical Society: Series C.* (2020) Nov 22.
2. Brown R, Fan Y, Das K, **Wolfson J**. Iterated multisource exchangeability models for individualized inference with an application to mobile sensor data. *Biometrics* (2020) May 15.
3. Koch B, Vock DM, **Wolfson J**, Vock LB. Variable selection and estimation in causal inference using Bayesian spike and slab priors. *Stat Methods Med Res* (2020), Jan. 15.
4. **Wolfson J**, Stovitz SD, Blair SN, Sui X, Lee DC, Shrier I. Decomposing the effects of physical activity and cardiorespiratory fitness on mortality. *Global Epidemiology* (2019) Nov 1;1:100009.
5. **Wolfson J** and Venkatasubramaniam A. [Branching Out: Use of Decision Trees in Epidemiology](#). *Current Epidemiology Reports* (2018), 4(3), 221-229.
6. Brown B, Weaver T, and **Wolfson J**. [MEBoost: Variable Selection in the Presence of Measurement Error](#). *Statistics in Medicine* (2019), Mar 11.

7. Wolfson DB, Best AF, Addona V, **Wolfson J**, Gadalla SM. [Benefits of combining prevalent and incident cohorts: An application to myotonic dystrophy](#). *Stat Methods Med Res* (2018) Oct 8.
8. Koch B, Vock DM, and **Wolfson J**. [Covariate selection with group lasso and doubly robust estimation of causal effects](#). *Biometrics* (2018) Mar;74(1):8-17.
9. McKearnan S, **Wolfson J**, Vock DM, Vazquez-Benitez G, and O'Connor PJ. [Performance of the Net Reclassification Improvement for Non-nested Models and a Novel Percentile-based Alternative](#). *American Journal of Epidemiology* (2018), Jun 1;187(6):1327-1335.
10. Martin BD[†], Addona V, **Wolfson J**, Adomavicius G, and Fan Y. Methods for Real-Time Prediction of Mode of Travel Using Smartphone-Based GPS and Accelerometer Data. *Sensors* (2017), Sep 8;17(9).
11. Venkatasubramaniam A, **Wolfson J**, Mitchell NR, Barnes TL, JaKa MM, and French SA. Decision trees in epidemiological research. *Emerging Themes in Epidemiology* (2017), Sep 20;14:11.
12. **Wolfson J**, Koopmeiners JS, and DiLernia A. [Who's good this year? Quantifying the informativeness of game results from the four major U.S. sports](#). *Journal of Sports Analytics* (2017), Oct 12.
13. **Wolfson J**, Vock DM, Bandyopadhyay S, Kottke T, Vazquez Benitez G, Johnson P, Adomavicius G, and O'Connor PJ. Use and Customization of Risk Scores for Predicting Cardiovascular Events Using Electronic Health Record Data. *Journal of the American Heart Association* (2017), 6:e003670.
14. Ermagun A, Fan Y, **Wolfson J**, Adomavicius G, Das K. Real-Time Trip Purpose Prediction Using Online Location-Based Search and Discovery Services. *Transportation Research Part C* (2017), 77: 96-112.
15. Brown B, Miller, CJ, and **Wolfson J** ThrEEBoost: Thresholded Boosting for Variable Selection and Prediction Via Estimating Equations. *Journal of Computational and Graphical Statistics* (2017) Jul 3;26(3):579-88.
16. Vock DM, **Wolfson J**, Bandyopadhyay S, Adomavicius G, Johnson PE, Vazquez-Benitez G, and O'Connor PJ. [Adapting machine learning techniques to censored time-to-event health record data: a general-purpose approach using inverse probability of censoring weighting](#). *Journal of Biomedical Informatics* (2016), Vol 61: 119-131.
17. **Wolfson J**, Bandyopadhyay S, Elidrisi M, Vazquez-Benitez G, Vock DM, Adomavicius G, Johnson PE, and O'Connor PJ. [A Naive Bayes machine learning approach to risk prediction using censored, time-to-event data](#). *Statistics in Medicine* (2015) 34: 2941-2957.
18. Bandyopadhyay S, **Wolfson J**, Vock DM, Vazquez-Benitez G, Adomavicius G, Elidrisi M, Johnson PE, and O'Connor PJ. Data mining for censored time-to-event data: a Bayesian

network model for predicting cardiovascular risk from electronic health data. *Data Mining and Knowledge Discovery* (2015) Jul 1;29(4):1033-69.

19. **Wolfson J** and Henn L. Hard, harder, hardest: principal stratification, statistical identifiability, and the inherent difficulty of finding surrogate endpoints. *Emerging themes in epidemiology* (2014) 11(1),14.
20. Huang Y, Gilbert P, and **Wolfson J**. Design and Estimation for Evaluating Principal Surrogate Markers in Vaccine Trials. *Biometrics* (2013)Jun; 69(2)
21. **Wolfson J**, Addona V, and Schmicker R. The quarterback prediction problem: Forecasting the performance of college quarterbacks selected in the NFL draft. *Journal of Quantitative Analysis in Sports* (2011), Vol. 7: Iss. 3, Article 12.
22. **Wolfson J**. EEBoost: A general method for prediction and variable selection based on estimating equations. *Journal of the American Statistical Association* (2011), 106(493): 296-305.
23. **Wolfson J** and Gilbert P. Statistical Identifiability and the Surrogate Endpoint Problem, With Application to Vaccine Trials. *Biometrics* (2010), 66(4): 1153-1161.

Collaborative/Applied

24. McGuire CM[†], Gollust SE, De Marco M, Durfee T, **Wolfson J**, Caspi C. Equity at the ballot box: Health as a resource for political participation among low-income workers in two United States cities. *Frontiers in Political Science* (2020);2:20.
25. Margraf DJ[†], Seaburg S, Beilman GJ, **Wolfson J**, Gipson JC, Chapman SA. Propensity score adjusted comparison of three-factor versus four-factor prothrombin complex concentrate for emergent warfarin reversal: a retrospective cohort study. *BMC Emergency Medicine* (2020) Dec;20(1):1-0.
26. Kim J[†], Wang W, Norby FL, Zhang M, Alonso A, Lutsey PL, Soliman EZ, **Wolfson J**, Chen LY. Diurnal circadian variations in paroxysmal atrial fibrillation: The atherosclerosis risk in communities (ARIC) study. *Journal of Electrocardiology* (2020) Nov 1;63:98-103.
27. Ulrich AK, *McKearnan SB*, Lammert S, **Wolfson J**, Pletcher J, Halloran ME, Basta NE. Validity of university students' self-reported vaccination status after a meningococcal B outbreak. *Journal of American College Health* (2020) Jul 4:1-6.
28. Sundaram ME[†], **Wolfson J**, Osterholm M, Sow S, Ansah PO, Diallo A, Cusick SE. Meningococcal vaccines and protein-energy undernutrition in children in the African meningitis belt. *Vaccine* (2020) Dec 14;38(52):8351-6.
29. Whipple MO[†], Schorr EN, Talley KM, **Wolfson J**, Lindquist R, Bronas UG, Treat-Jacobson D. Influence of Changes in Sedentary Time on Outcomes of Supervised Exercise Therapy in Individuals with Comorbid Peripheral Artery Disease and Type 2 Diabetes. *Annals of Vascular Surgery* (2020) Apr 9.

30. Whipple MO[†], Schorr EN, Talley KM, **Wolfson J**, Lindquist R, Bronas UG, Treat-Jacobson D. Individual Differences in Response to Supervised Exercise Therapy for Peripheral Artery Disease. *Western journal of nursing research* (2020) Dec 17:0193945920977479.
31. Rojanasart S[†], Carlson AM, St. Peter WL, Karaca-Mandic P, **Wolfson J**, Schommer JC. Reducing potentially preventable health events among patients with asthma through multi-state, multi-center quality improvement program. *Journal of Asthma* (2020) Mar 10:1-1.
32. Baker JV, **Wolfson J**, Collins G, Morse C, Rhame F, Liappis AP, Rizza S, Temesgen Z, Mystakelis H, Deeks S, Neaton J. Losartan to reduce inflammation and fibrosis endpoints in HIV disease (LIFE-HIV): results from a randomized placebo-controlled trial. *AIDS* (2020) Nov 25.
33. Baker JV, **Wolfson J**, Peterson T[†], Mooberry M, Gissel M, Mystakelis H, Henderson MW, Garcia-Myers K, Rhame FS, Schacker TW, Brummel-Ziedins KE. Factor Xa Inhibition Reduces Coagulation Activity but Not Inflammation Among People With HIV: A Randomized Clinical Trial. *Open forum infectious diseases* (2020) Vol. 7, No. 2.
34. Miller JM[†], Pereira MA, **Wolfson J**, Laska MN, Nelson TF, Neumark-Sztainer D. Are Correlates of Physical Activity in Adolescents Similar Across Ethnicity/Race and Sex: Implications for Interventions. *J Phys Act Health* (2019) Oct 24, 1-12.
35. Bora R, Ramasamy S, Brown B, **Wolfson J**, Rao R. Effect of iron supplementation from neonatal period on the iron status of 6-month-old infants at-risk for early iron deficiency: a randomized interventional trial. *J Matern Fetal Neonatal Med* (2019) Jul 9, 1-9.
36. Fu HN[†], Adam TJ, Konstan JA, **Wolfson J**, Clancy TR, Wyman JF. Influence of Patient Characteristics and Psychological Needs on Diabetes Mobile App Usability in Adults With Type 1 or Type 2 Diabetes: Crossover Randomized Trial. *JMIR Diabetes* (2019) 4(2):e11462.
37. Fan Y, Brown R, **Wolfson J**, and Das K[†]. [Understanding Trip Happiness using Smartphone-Based Data: The Effects of Trip- and Person-Level Characteristics](#). *Transport Findings* (2019), Feb 14.
38. Gavin KL[†], **Wolfson J**, Pereira M, Sherwood N, Linde JA. Life Events, Physical Activity, and Weight Loss Maintenance: Decomposing Mediating and Moderating Effects of Health Behavior. *J Phys Act Health* (2019) 16(4):267-273.
39. Miller JM[†], **Wolfson J**, Laska MN, Nelson TF, Pereira MA, Neumark-Sztainer D. Factor Analysis Test of an Ecological Model of Physical Activity Correlates. *Am J Health Behav* (2019) Jan 1;43(1):57-75
40. Long S[†], Monsen KA, Pieczkiewicz D, **Wolfson J**, and Khairat S. Redesigning an Information System that Reduces Health Care Accessibility Effort and Increases User

Acceptance and Satisfaction: A Comparative Effectiveness Study. *EGEMS* (2018), Oct 3;6(1):22.

41. Gavin K[†], Sherwood NE, **Wolfson J**, Pereira MA, and Linde JA. Characterizing Self-Monitoring Behavior and Its Association With Physical Activity and Weight Loss Maintenance. *American Journal of Lifestyle Medicine* (2018), July 30.
42. Crane MM, Gavin K[†], **Wolfson J**, Linde JA. How Accurate are Recalls of Self-Weighing Frequency? Data from a 24-Month Randomized Trial. *Obesity* (2018) Aug;26(8):1296-1302.
43. Miller JM[†], **Wolfson J**, Laska MN, Nelson TF, Pereira MA. The Minne-Loppet Motivation Study: An Intervention to Increase Motivation for Outdoor Winter Physical Activity in Ethnically and Racially Diverse Elementary Schools. *Am J Health Promot* (2018) Nov;32(8):1706-1713.
44. Logan J[†], Nederhoff D, Koch B, Griffith B, **Wolfson J**, Awan FA, Basta NE. 'What have you HEARD about the HERD?' Does education about local influenza vaccination coverage and herd immunity affect willingness to vaccinate? *Vaccine* (2018) Jun 27;36(28):4118-4125.
45. JaKa MM[†], French SA, **Wolfson J**, Jeffery RW, Lorencatto F, Michie S, Levy RL, Langer SL, Sherwood NE. Understanding Outcomes in Behavior Change Interventions to Prevent Pediatric Obesity: The Role of Dose and Behavior Change Techniques. *Health Educ Behav* (2018) Sep 14.
46. Rojanasarot S[†], Heins Nesvold J, Karaca-Mandic P, St. Peter W, **Wolfson J**, Schommer J, Carlson A. Enhancing guideline-based asthma care processes through a multi-state, multi-center quality improvement program. *Journal of Asthma* (2018), May 11:1-11.
47. Jeffery MM[†], **Wolfson J**, Meier SK, Dowd BE, Abraham JM, Kane RL. Health Care Service Use Among Elderly Seasonal Migrants. *Population Health Management* (2018) Oct 21(5):415-421.
48. Basta NE, [...], **Wolfson J**, et al. Meningococcal carriage within households in the African meningitis belt: A longitudinal pilot study. To appear, *Journal of Infection* (2018) Feb;76(2):140-148.
49. Miller JM[†], Pereira M, Nelson T, **Wolfson J**, Laska M, and Neumark-Sztainer D. Developmental Trends and Determinants of Physical Activity from Adolescence to Adulthood differ by Ethnicity/Race and Sex. *Journal of Physical Activity and Health* (2018) May 1;15(5).
50. Long S[†], Monsen K, Pieczkiewicz D, **Wolfson J**, and Khairat S. An Evaluation of Overcoming Barriers to Engage Consumers in the Use of Health Care Information Technology. *Journal of Consumer Health on the Internet* (2017) 21(4), 369-388.

51. Long S[†], Monsen K, Pieczkiewicz D, **Wolfson J**, and Khairat S. Predicting Consumer Effort in Finding and Paying for Healthcare. *Journal of Medical Internet Research* (2017), Oct 12;5(4):e39.
52. Kennedy S, [...], **Wolfson J**, et al. [Safety and Immunogenicity of Two Vaccines for the Prevention of Ebola Virus Disease: A Phase 2 Placebo-Controlled Clinical Trial Conducted in Liberia](#). *New England Journal of Medicine* (2017), Oct 12;377(15):1438-1447.
53. JaKa MM[†], French SA, **Wolfson J**, Jeffery RW, Lorencatto F, Michie S, Langer SL, Levy RL, and Sherwood NE. Feasibility of Standardized Methods to Specify Behavioral Pediatric Obesity Prevention Interventions. *Journal of Behavioral Medicine* (2017) Oct 1;40(5):730-9.
54. JaKa MM[†], Seburg EM, French SA, **Wolfson J**, Jeffery RW, Levy RL, Langer SL, Sherwood NE. Parent Choice in Pediatric Obesity Prevention Intervention. Accepted, *Health Behavior and Policy Review* (2017).
55. Linde AC[†], Toomey TL, **Wolfson J**, Lenk KM, Jones-Webb R, Erickson DJ. Associations between responsible beverage service laws and binge drinking and alcohol-impaired driving. *Journal of Alcohol and Drug Education* (2016), 60(2):35-49.
56. Moore-Jeffery M[†], Bellolio MF, **Wolfson J**, Abraham JM, Dowd BE, and Kane RL. [Validation of an algorithm to determine the primary care treatability of emergency department visits](#). *BMJ Open* (2016), 6:e011739.
57. Basta NE, Mahmoud AAF, **Wolfson J**, Ploss A, Heller BL, Hanna S, Johnsen P, Izzo R, Grenfell BT, Findlow J, Bai X, and Borrow, R. [Immunogenicity of a Meningococcal B Vaccine during a University Outbreak](#). *New England Journal of Medicine* (2016), 375: 220-228.
58. Grund B, Baker JV, Deeks SG, **Wolfson J**, Wenworth D, Cozzi-Lepri A, Cohen CJ, Phillips A, Lundgren JD, and Neaton J. [Relevance of Interleukin-6 and D-dimer for Serious Non-AIDS Morbidity and Death among HIV-Positive Adults on Suppressive Antiretroviral Therapy](#). *PLOS ONE* (2016), published online May 12.
59. Brady SS, Gruber SK, and **Wolfson J**. [Positive and negative aspects of relationship quality and condom use among female adolescents](#). *Sex Education* (2016) 16 (6): 586-601.
60. Sewell JM, Adejoro OO, Fleck JR, **Wolfson J**, and Konety BR. [Factors associated with the Journal Impact Factor \(JIF\) for Urology and Nephrology Journals](#). *International Brazilian Journal of Urology* (2015) 41 (6): 1058-1066.
61. Bora R, Akhtar SS, Venkatasubramaniam A, **Wolfson J**, and Rao R. Effect of 40-cm segment umbilical cord milking on hemoglobin and serum ferritin at 6 months of age in full-term infants of anemic and non-anemic mothers. *Journal of Perinatology* (2015) Oct;35(10):832-6.

62. Barnes TL, French SA, Mitchell NR, and **Wolfson J**. Fast food consumption, diet quality, and body weight: Cross-sectional and prospective associations in a community sample of working adults. *Public Health Nutrition* (2015) 1-8.
63. Jaka MM[†], Haapala JL, **Wolfson J**, and French SA. Describing the relationship between occupational and non-occupational physical activity using objective measurement. *Preventive Medicine Reports* (2015) 2: 213-217.
64. Barnes TL, French SA, Harnack LJ, Mitchell NR, and **Wolfson J**. Snacking Behaviors, Diet Quality, and Body Mass Index in a Community Sample of Working Adults. *Journal of the Academy of Nutrition and Dietetics* (2015) 115(7): 1117-1123. PMID: 25769747
65. Miller CJ[†], Baker JV, Bormann AM, Erlandson KM, Huppler Hullsiek K, Justice AC, Neuhaus J, Paredes R, Petoumenos K, Wentworth D, **Wolfson J**, and Neaton J. Adjudicated Morbidity and Mortality Outcomes by Age Among Individuals with HIV Infection on Suppressive Antiretroviral Therapy. *PLoS ONE* (2014) Apr 11; 9(4).
66. French SA, Mitchell NR, **Wolfson J**, Harnack LJ, Jeffery RW, Gerlach AF, Blundell JE, and Pentel PR. Portion Size Effects on Weight Gain in a Free Living Setting. *Obesity* (2014 - published online 02/08).
67. French SA, Mitchell MR, **Wolfson J**, Finlayson G, Blundell JE, Jeffery RW. Questionnaire and laboratory measures of eating behavior: Associations with energy intake and BMI in a community sample of working adults. *Appetite* (2014) Jan; 72:50-8.
68. Bora R, Sable C, **Wolfson J**, Boro K, and Rao R. Prevalence of Anemia in Pregnant Women and its Effect on Neonatal Outcomes in Northeast India. *The Journal of Maternal-Fetal & Neonatal Medicine* (2013 - published online 10/24).
69. Janes H, Frahm N, deCamp A, Rolland M, Gabriel E, **Wolfson J**, Hertz T, Kallas E, Goepfert P, Friedrich DP, Corey L, Mullins JI, McElrath MJ, and Gilbert P. MRKAd5 HIV-1 gag/pol/nef vaccine-induced T-cell responses inadequately predict distance of breakthrough HIV-1 sequences to the vaccine or viral load. *PLoS ONE* (2012), 7(8).
70. Whitehouse A, Simon A[†], French S, and **Wolfson J**. Availability of Snacks, Candy, and Beverages in Hospital, Community Clinic, and Commercial Pharmacies. *Public Health Nutrition* (2012), Jan 25.

Peer-reviewed commentaries and letters

1. **Wolfson J** and Roetker N. Re: "Methods for Handling Missing Variables in Risk Prediction Models". *American Journal of Epidemiology* (2017) Volume 185, Issue 5, Page 405.
2. **Wolfson J**. Commentary on "Estimating Causal Effect with RCTs". *Epidemiology* (2013), 12; 25(1): 162. PMID: 24296938.

3. Gilbert P, Hudgens M, and **Wolfson J**. Commentary on “Principal Stratification - A Goal or a Tool?” by Judea Pearl. *International Journal of Biostatistics* (2011), Vol. 7: Iss. 1, Article 36.

Selected peer-reviewed abstracts and conference papers

1. Polter E, Blaes A, Florido R, **Wolfson JA**, Lutsey PL, Joshu C, Platz E, Prizment A. The Performance of the American College of Cardiology/American Heart Association 2013 Pooled Cohort Equations in Cancer Survivors. *Circulation* (2020) Nov 17;142(Suppl_3):A16526-.
2. Kim J, **Wolfson JA**, Wang W, Rooney MR, Norby FL, Zhang MJ, Alonso A, Lutsey PL, Soliman EZ, Chen LY. Diurnal Variation Detected in Paroxysmal Atrial Fibrillation. *Circulation*. 2019 Nov 19;140(Suppl_1):A13810-.
3. Caspi CE, De Marco MM, Durfee T, Shanafelt A, Myers S, **Wolfson J**, Harnack L. Minimum wage policy as a means of addressing obesity-related health outcomes. *APHA Annual Meeting* (2019)
4. Fu HN[†], **Wolfson J**, Solberg L, Grey M, and Peterson KA. 1173-P: Use of Patient-Centered Medical Homes (PCMH)-Related Care Management Processes to Improve Glycemic Control in Medicaid Patients and Non-Medicaid Patients. *American Diabetes Association* (2020)
5. Margraf D[†], Chapman S, Seaburg S, **Wolfson J**, Gipson J, Beilman G. 377: Propensity score-adjusted comparison of Prothrombin Complex Concentrate for Warfarin Reversal. *Critical Care Medicine* (2020) Jan 1;48(1):170.
6. Peterson TE[†], Ntsekhe M, Shuldiner S, Wong LY, **Wolfson J**, Jermy S, Saad H, Mbalabu Lumbamba AJ, Singh A, Shey M, Meintjes G. Abstract P327: Inflammation Associates With Lower Myocardial Function Among Antiretroviral-Treated Persons Living With HIV in South Africa. *Circulation* (2020) Mar 3;141(Suppl_1):AP327-.
7. Basta NE, Borrow R, **Wolfson J**, et al. Does 4CMenB vaccine-induced immunity against a Meningococcal B outbreak strain persist 20 months after vaccination? Accepted for oral presentation at EMGM (2019).
8. Wang LY, Baker J, **Wolfson J**, et al. Evidence of Pre-Clinical Myocardial Inflammation in ART-Treated PLWH in South Africa. Accepted for poster presentation at CROI (2019).
9. Baker J, **Wolfson J**, et al. Factor X Inhibition Reduces Coagulation but not Inflammation in Persons with HIV. Accepted for poster presentation at CROI (2019).
10. Gavin KL[†], Linde JA, Sherwood NE, **Wolfson J**, Buman MP, Pereira MA. Weight Status Differences In Light-intensity Physical Activity Increases From A Workplace Behavioral Intervention: 294 Board# 135 May 30 930 AM-1100 AM. *Medicine & Science in Sports & Exercise* (2018).

11. Liao CF, Fan Y, Adomavicius G, **Wolfson J**, and Kang J. Battery-Efficient Location Change Detection for Smartphone-Based Travel Data Collection: A Wi-Fi Fingerprint Approach. *Transportation Research Board Annual Meeting*, Washington, DC (2016). Accepted for poster presentation.
12. Brady SS, O'Keefe L, **Wolfson JA**, Wilkerson JM, Jones-Webb R, and Toomey TL. Peer Socialization of Alcohol Use and Abuse: The Moderating Effect of Sensation Seeking. Paper presented at the *Annual Meeting of the Society for Prevention Research*, Washington, D.C. (2016)
13. **Wolfson J**, Vock DM, Bandyopadhyay S, Adomavicius G, Johnson PE, Vazquez-Benitez G, and O'Connor PJ. Use and Customization of Risk Scores for Predicting Cardiovascular Events Using Electronic Health Record Data. *American Heart Association / American Stroke Association Scientific Sessions*, Orlando, FL (2015). Accepted for poster presentation.
14. Das K, Fan Y, and **Wolfson J**. Evaluating strategies to promote park use in low-income minority communities: Implications for Addressing Health Inequities. *Association of College Schools of Planning Annual Conference*, Houston, TX (2015).
15. Moore-Jeffery M, **Wolfson J**, Abraham J, Dowd B, and Kane R. An Algorithm to Determine the Primary Care Treatability of Emergency Department Visits Identified in Medicare Administrative Data. Accepted for poster presentation at *Academy Health* (2015).
16. Khairat S, Wijesignhe N, **Wolfson J**, Scott R, and Simkus R. Building a multicenter telehealth network to advance chronic disease management. *Studies in health technology and informatics* (2013), 202, 299-302.
17. Grund, B., Baker, J., **Wolfson J** et al. Combined effect of a novel interleukin-6 (IL-6) and D-dimer score on predicting risk for serious non-AIDS (SNA) conditions. *Conference on Retroviruses and Opportunistic Infections (CROI)* (2013).
18. Janes H, Gilbert P, Frahm N, Rolland M, DeCamp A, Gabriel E, **Wolfson J**, Mullins J, and McElrath J. Integrated Analysis of Immunogenicity, Viral Sequence, and Viral Load Data in the Step Study. *AIDS Vaccine* (2011).

Book Chapters

1. **Wolfson J**, Addona V, Schmicker R. Forecasting the performance of college prospects selected in the NFL draft. In *Handbook of Statistical Analysis in Sports*, CRC Press (2017).

Reports

1. Fan Y, Ryan G, Becker A, **Wolfson J**, Guthrie A, Liao CF. Smartphone-Based Interventions for Sustainable Travel Behavior: The University of Minnesota Parking Contract Holder Study. *Center for Transportation Studies, University of Minnesota* (2020).

2. Fan Y, Ormsby T, Wiringa P, Liao CF, **Wolfson J**. Visualizing Transportation Happiness in the Minneapolis-St. Paul Region. *Center for Transportation Studies, University of Minnesota* (2020).
3. Fan Y, **Wolfson J**, Adomavicius G, Das K, Khandelwal Y, and Kang J. SmarTrAC: A smartphone solution for travel and activity capturing. *Volpe Center, U.S. Department of Transportation* (2013)

Patents

1. Fan Y, **Wolfson J** and Adomavicius G. Travel and Activity Capturing. US Patent 9763055, 2017.
-

Presentations

Invited Presentations at Professional Meetings, Conferences, etc.

1. Understanding human activity using smartphone sensor data. Invited seminar, Division of Epidemiology, School of Public Health, University of Minnesota, October 2019.
2. Capturing and predicting human activity using smartphones. Invited speaker and panelist, Symposium on Leveraging Patient-Generated Data to Enable Healthcare Delivery, United Health, Minnetonka, MN, August 2019.
3. Unlocking the Actome: Capturing and predicting human behavior using smartphones. Invited seminar, Department of Biostatistics, Vanderbilt University, Nashville, TN, May 2019.
4. Successes (and stumbles) with technology in the classroom. UMN Biostatistics Division Seminar, November 2018.
5. JSM Big Data Detectives. JSM, Vancouver, Canada, July 2018.
6. Variable selection for doubly robust estimation of causal effects. UMN CRM Workshop, June 2018.
7. Reproducibility “in the wild”. UMN Gopher Day of Data, January 2018.
8. The JASA ACS Reproducibility Initiative. WNAR, Santa Fe, NM, June 2017.
9. MEBoost: Variable Selection in the Presence of Measurement Error. University of Rochester Department of Biostatistics and Computational Biology Spring Colloquium, February 2017.
10. (W/ J Neaton) Towards a vaccine to prevent Ebola. Division of Epidemiology Seminar Series, University of Minnesota, January 2017.
11. Statistical aspects of reproducibility. University of Minnesota Libraries Reproducibility Workshop, November 2016.

12. Capturing and predicting human activity using smartphones.
 - Twin Cities Chapter of the American Statistical Association Fall Research Meeting, October 2016.
 - International Biometric Conference, Victoria, BC, Canada, July 2016.
13. (with J Baker) Evaluating Candidate Treatments to Reduce Inflammation Among HIV Positive Patients: The LIFE-HIV trial. University of Minnesota Summer Institute in Biostatistics, June 2016.
14. Design and implementation of vaccine trials during an emerging epidemic. University of Minnesota Infectious Disease Epidemiology Seminar Series, April 2016.
15. Quarterbacks and Heart Attacks: Why We Suck at Making Individual Predictions. University of Minnesota Ignite! Symposium, January 2016.
16. Machine learning methods for risk prediction with censored EHR data. International Conference on Health Policy Statistics, Providence, RI, October 2015.
17. The Promises and Pitfalls of Electronic Health Data. The Art and Science of Prevention Semiar Series, University of Minnesota, September 2015.
18. Predicting CV risk from electronic health data using machine learning.
 - UMN Training Grant Journal Club, April 2015.
 - UMN Cardiovascular Epidemiology Seminar, December 2014.
19. Distributions, Data, and Doctors: Life as a biostatistician. Invited Seminar, Carleton College Mathematics Colloquium, September 2014.
20. Discovering Subgroups with Regression Trees. Invited Seminar, Minnesota Obesity Center, May 2014.
21. Assessing the Mediating Effect of a Biomarker: A Nonparametric, Matching-based Approach.
 - Invited seminar, Biostatistics Research Branch, NIAID, April 2014.
 - Invited seminar, Department of Biostatistics and Epidemiology, University of Pennsylvania, April 2014.
 - Invited speaker, WNAR (Western North American Region of the International Biometric Society), Honolulu, Hawaii, June 2014.
22. Who's Good This Year? Invited paper presentation, INFORMS 2013 SpORts session, October 2013.
23. Statistical learning for electronic health record data. Invited paper presentation, Statistical Society of Canada, May 2013.
24. Playing in everyone's backyard: My life (so far) as a biostatistician. Invited seminar, Carleton College, September 2012.

25. A matching-based approach to assessing the surrogate value of a biomarker. Invited seminar, McGill University, March 2012.
26. Validating surrogates using Prentice's criteria: A direct, sensitivity analysis based approach. Joint Statistical Meetings, August 2011.
27. Prediction and variable selection in non-standard regression models. Macalester College, March 2011.
28. Invited speaker at *Causal Inference in Health Research* conference, May 2011 (declined).
29. Statistical identifiability and the surrogate endpoint problem, with application to vaccine trials.
 - Joint Statistical Meetings (session on Advancements in Principal Stratification for Causal Inference), August 2009.
 - Department of Biostatistics, Harvard University, January 2009.
 - Department of Biostatistics, University of North Carolina, February 2009.
 - University of Minnesota, April 2009.

Contributed Presentations at Professional Meetings, Conferences, etc.

1. Treatment Effect Heterogeneity Trees (TEHTrees). Joint Statistical Meetings, July 2016.
2. Matching to assess mediation in randomized trials. Society of Clinical Trials Annual Meeting, May 2016.
3. ThrEEBoost: Thresholded variable selection via estimating equations. Contributed presentation, Joint Statistical Meetings, August 2014.
4. Censored Bayesian Networks. Contributed SPEED session presentation, Joint Statistical Meetings, August 2013.
5. Assessing the Surrogate Value of a Biomarker: An Approach Combining Matching and Sensitivity Analysis. University of Florida Causal Inference Conference, 2012.
6. EEBoost: Fast variable selection and prediction for nonstandard regression setups. ENAR, 2010.
7. Statistical identifiability and the surrogate endpoint problem, with application to vaccine trials. JSM, 2009.
8. Statistical identifiability and the surrogate endpoint problem, with application to vaccine trials. ENAR, 2009.
9. Assessing the surrogate and predictive value of a biomarker measured after randomization. JSM, 2008.

10. (Poster w/ D. Lockhart, R. Rohlf, A. Ghee) StatCom at the University of Washington: Implementing a Peer Evaluation System for a Local Fire Department. JSM, 2008.
-

Grants

The Effect of Age and Treated HIV Infection on Myocardial Disease in South Africa

- *Principal Investigator(s)*: Jason Baker, Hennepin County Medical Center / UMN
- *Source*: NHLBI R21
- *Period of support*: January 2019 - December 2020
- *Role*: Subcontract PI

Personalized Statin Treatment Plan to Optimize Clinical Outcomes Using Big Data

- *Principal Investigator(s)*: Chih-Lin Chi, School of Nursing
- *Source*: NHLBI R01
- *Period of support*: February 2019 - January 2023
- *Role*: Co-Investigator

Parking FlexPass at ABC Ramps: Integrating Parking and Transit Options for Sustainable Mobility

- *Principal Investigator(s)*: Yingling Fan, Humphrey School of Public Affairs
- *Source*: Minneapolis Metropolitan Council
- *Period of support*: October 2019 - February 2021
- *Role*: Co-Investigator

Targeting Cognition and Motivation in Early Psychosis

- *Principal Investigator(s)*: Sophia Vinogradov, Psychology
- *Source*: NIMH R01
- *Period of support*: September 2019 - July 2024
- *Role*: Co-Investigator

Using smartphone sensor technology to characterize ambulatory patterns of patients with peripheral artery disease

- *Principal Investigator(s)*: **Julian Wolfson**, Division of Biostatistics and Ryan Mays, School of Nursing.
- *Source*: UMN AHC Faculty Research Development Grant
- *Period of support*: May 2019 - May 2021

SRN: Integrated Urban Infrastructure Solutions for Environmentally Sustainable, Healthy, and Livable Cities

- *Principal Investigator(s)*: Anu Ramaswami, Humphrey School of Public Affairs
- *Source*: NSF
- *Period of support*: August 2015 - July 2019

- *Role:* Co-Investigator

Quantifying the Breadth and Duration of Immunity Induced by Meningococcal B Vaccines

- *Principal Investigator(s):* Nicole Basta, Ph.D., Division of Epidemiology
- *Source:* NIH R01
- *Period of support:* Jan 2018 - Dec 2022
- *Role:* Co-Investigator

A natural experiment evaluating the effect of minimum wage increase on obesity and diet-related outcome

- *Principal Investigator(s):* Caitlin Caspi, M.D., Family Medicine and Community Health
- *Source:* NIH R01
- *Period of support:* May 2017 - April 2022
- *Role:* Co-Investigator

A Multi-Component Intervention in the Hunger Relief Network to Improve Diet Among Adults Experiencing Food Insecurity

- *Principal Investigator(s):* Caitlin Caspi, M.D., Family Medicine and Community Health
- *Source:* NHLBI R01
- *Period of support:* May 2017 - April 2022
- *Role:* Co-Investigator

HIV-associated myocardial fibrosis

- *Principal Investigator(s):* Jason Baker, M.D., Hennepin County Medical Center / UMN
- *Source:* American Heart Association
- *Period of support:* January 2017 - December 2018
- *Role:* Co-Investigator

Targeted Anticoagulant Therapy To Reduce Inflammation In Treated HIV Disease

- *Principal investigator(s):* Jason Baker, M.D., Hennepin County Medical Center / UMN
- *Source:* NIH / NHLBI R01
- *Period of support:* November 2014 - October 2018
- *Role:* Co-Investigator

Treatment to Reduce Inflammation and Improve Immune Recovery Among Older HIV Patients (Losartan)

- *Principal investigator(s):* Jason Baker, M.D., Hennepin County Medical Center / UMN
- *Source:* NIH / NIA R01
- *Period of support:* April 2014 - March 2018
- *Role:* Co-Investigator

Weight Tracking and Weight Loss Outcomes: Establishing the Standard of Care

- *Principal investigator(s):* Jennifer Linde, Ph.D., UMN Division of Epidemiology
- *Source:* NIH / NIDDK R01

- *Period of support:* April 2012 - March 2017
- *FTE:* 15%
- *Role:* Co-investigator

PREVAIL: Ebola Vaccine Trial

- *Principal investigator(s):* Jim Neaton, UMN Division of Biostatistics
- *Source:* NIAID
- *Period of support:* December 2014 - August 2016
- *FTE:* 20%
- *Role:* Co-Investigator

Accelerating the Generation of Results from Longitudinal Studies of Aging

- *Principal investigator(s):* Christina Wolfson, Ph.D., McGill University and David Wolfson, Ph.D., McGill University
- *Source:* Canadian Institutes of Health Research
- *Period of support:* January 2012 - December 2015
- *Role:* Co-investigator

SmarTrAC: A Smartphone Solution for Context-Aware Travel and Activity Capturing

- *Principal investigator(s):* **Julian Wolfson, Ph.D.**, Yingling Fan, Ph.D., UMN Humphrey School of Public Affairs
- *Source:* US Department of Transportation
- *Period of support:* June 2013 - December 2014
- *Role:* Co-PI

Portion size Effects on Body Weight in a Free Living Setting

- *Principal investigator(s):* Simone French, Ph.D., UMN Division of Epidemiology
- *Source:* NIH / NIDDK R01
- *Period of support:* April 2010 - May 2014
- *Role:* Co-investigator

Causal inference for clinical trials: Translating theory to practice

- *Principal investigator(s):* **Julian Wolfson, Ph.D.**
- *Source:* UMN Grant-In-Aid
- *Period of support:* January 2012 - June 2013

Applying machine learning techniques to understand smartphone accelerometry data

- *Principal investigator(s):* **Julian Wolfson, Ph.D.**
- *Source:* UMN Center for Transportation Studies SEED Grant
- *Period of support:* November 2012 - February 2013

A causal inference-based software tool for determining the effects of treatment on the risk of cardiovascular events among patients with type 2 diabetes

- *Principal investigator(s):* **Julian Wolfson, Ph.D.** David Vock, Ph.D.

- *Source:* CTRS Pilot Award
 - *Period of support:* November 2013 - November 2014
-

Honors and Awards

- Leonard Schuman Excellence in Teaching Award, School of Public Health, University of Minnesota, 2016.
 - Delta Omega National Honor Society, 2016.
 - University of Florida Causal Inference Conference Young Researcher Travel Award, 2012.
 - Fonds Quebecois de Recherche en Nature et Technologie (FQRNT) Bourse de Doctorat (Doctoral Scholarship), 2006-2009.
 - University of Washington Department of Biostatistics Outstanding Student Award, 2008.
 - University of Washington Top Scholar Award, 2004.
 - Fonds Quebecois de Recherche en Nature et Technologie (FQRNT) Bourse de Maitrise (Masters' Scholarship), 2004-2006.
 - National Sciences and Engineering Research Council of Canada (NSERC) Postgraduate Masters' Scholarship, 2004 (declined).
-

Teaching

Courses

- PUBH 7401: Fundamentals of Biostatistical Inference (Fall 2019-2020)
- PUBH 7461: Exploring and Visualizing Data in R (Fall 2017-2018)
 - Developed course
- PUBH 7462: Advanced Programming and Data Analysis in R (Spring 2018-2019)
 - Developed course
- PUBH 8412: Advanced Statistical Inference (Spring 2014)
 - Co-developed course
- PUBH 7430: Statistical Methods for Correlated Data (Fall 2010-2016)
- PUBH 6450: Biostatistics I (Spring 2012, 2013, 2015, 2017)