

Adam J Sullivan

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Education

- 2015 Ph.D., Biostatistics, Harvard University
Dissertation: Sensitivity Analysis for Linear Structural Equation Models, Longitudinal Mediation with Latent Growth Models and Blended Learning in Biostatistics Education
Advisor: Tyler VanderWeele
- 2010 M.Sc., Mathematics, South Dakota State University
- 2003 B.Sc., Mathematics and Adolescent Education, Houghton College

Appointments

- 2015–pres. Assistant Professor of Biostatistics, Brown University School of Public Health
- 2016–pres. Biostatistics Masters Programs Director, Brown University School of Public Health
- 2016–pres. Faculty Statistician, Hassenfeld Child Health Innovation Institute, Brown University

Selected Honours and Awards

- 2018 Dean’s Award for Excellence in Teaching, Brown University
- 2017–2018 Sheridan Junior Faculty Teaching Fellow, Brown University
- 2017 Teaching with Technology Award: Showcase Award, Brown University
- 2016 Dean’s Award for Excellence in Classroom Instruction, Brown University School of Public Health

Consulting

- 2011–pres. Fellow, Initiative on Health, Religion and Spirituality, Boston, MA.
- 2011–pres. Consulting Statistician, Dr. Tracy Balboni, Boston, MA.
- 2009 Statistics Intern, AVERA Research Institute, Sioux Falls, SD.

Other Professional Positions

- 2004–2005 Mathematics Teacher, Marion Jr/Sr High School, Marion, NY
- 2005–2007 Mathematics and Physics Teacher, Sherman Central School District, Sherman, NY.

Membership in Professional Societies

- 2015–pres. American Statistical Association
- 2017–pres. Irish Statistical Association

Publications

Peer Reviewed

- [1] Werner, E.F. and Has, P. and Kanno, L. and **Sullivan, A.** and Clark, M.A. (2018) Barriers to Postpartum Glucose Testing in Women with Gestational Diabetes Mellitus. American Journal of Perinatology. [\[DOI\]](#) [\[PMID 30060291\]](#)
- [2] Balboni, M.J. , **Sullivan, A.J.**, Smith, P.T., Zaidi, D., Mitchell, C., Tulskey, J.A., Sulmasy, D., VanderWeele, T.J., Balboni, T.A. (2017) The Views of Clergy Regarding Ethical Controversies in Care at the End of Life. Journal of Pain and Symptom Management. [\[DOI\]](#) [\[PMID 28818632\]](#)
- [3] Balboni, M. , **Sullivan, A.J.** , Enzinger, A. , Smith, P. , Mitchell, C., Peteet, J., Tulskey, J., Vanderweele, T.J., Balboni, T.A. (2017) United States Clergy Religious Values and Relationships to End-of-Life Discussions and Care. Journal of Pain and Symptom Management. [\[DOI\]](#) [\[PMID 28185893\]](#)
- [4] Epstein-Peterson, Z.D., **Sullivan, A.J.** , Krishnan, M. , Chen, J. Ferrone, M., Baldini, E., Balboni, T.A. (2015) Post-operative Radiation Therapy for Osseous Metastasis: Outcomes and Predictors of Local Failure. Practical Radiation Oncology. [\[DOI\]](#) [\[PMID 25858770\]](#)
- [5] Epstein-Peterson, Z.D., **Sullivan, A.J.** , Enzinger, A.C., Trevino, K.M., Zolfrank, A.A., Balboni, M.J., VanderWeele, T.J., Balboni, T.A. (2014) Examining Forms of Spiritual Care Provided in the Advanced Cancer Setting. American Journal of Hospice and Palliative Medicine. [\[DOI\]](#) [\[PMID 25005589\]](#) [\[PMCID 4436038\]](#)

- [6] Balboni, M.J., **Sullivan, A.** , Enzinger, A.C., Epstein-Petersen, Z., Tseng, Y., Mitchell, C., Niska, B.A., Zollfrank, A., VanderWeele, T.J., and Balboni, T.A. (2014) Nurse and Physician Barriers to Spiritual Care Provision at the End of Life. *Journal of Pain and Symptom Management*. [\[DOI\]](#) [\[PMID 24480531\]](#) [\[PMCID 4569089\]](#)
- [7] Tseng, Y.D., Kishan, M.S., **Sullivan, A.J.** , Jones, J.A., Chow, E. and Balboni, T.A. (2013) How Radiation Oncologists Evaluate and Incorporate Life Expectancy Estimates Into the Treatment of Palliative Cancer Patients: A Survey-Based Study. *International Journal of Radiation Oncology* Biology* Physics*. [\[DOI\]](#) [\[PMID 24074920\]](#) [\[PMCID 4435719\]](#)
- [8] Tseng, Y.D., Kishan, M.S., Jones, J.A., Sullivan, A.J. , Gorman, D. , Taylor, A. , Pacold, M., Kalinowski, B. , Mamon, H.J., Abrahm, J. and Balboni, T.A. (2013) Supportive and palliative radiation oncology service: Impact of a dedicated service on palliative cancer care *Practical Radiation Oncology*. [\[DOI\]](#) [\[PMCID 4617676\]](#)
- [9] Balboni, M.J., **Sullivan, A.** , Amobi, A., Phelps, A.C., Gorman, D., Zollfrank, A., Peteet, J.R., Prigerson, H.G., VanderWeele, T.J. and Balboni, T.A. (2013) Why is spiritual care infrequent at the end of life? Spiritual care perceptions among patients, nurses, and physicians and the role of training. *Journal of Clinical Oncology*. [\[DOI\]](#) [\[PMID 23248245\]](#) [\[PMCID 4878036\]](#)

Online Learning Materials

- [1] Hall, M., Saldhana, I. , **Sullivan, A.J.**, Langberg, V., Springs, S., Wallack, A., Trikalinos, T., Balk, E., Lau, J., Schmid, C. (2018) Assess Risk of Bias. *EvSynth Academy*. [\[Website\]](#)
- [2] Hall, M., **Sullivan, A.J.**, Langberg, V., Springs, S., Wallack, A., Trikalinos, T., Balk, E., Lau, J., Schmid, C. (2018) Report Your Findings. *EvSynth Academy*. [\[Website\]](#)
- [3] Hall, M., **Sullivan, A.J.**, Langberg, V., Springs, S., Wallack, A., Trikalinos, T., Balk, E., Lau, J., Schmid, C. (2018) Extract Data. *EvSynth Academy*. [://evsynthacademy.org/index.php/course/extract-data/](http://evsynthacademy.org/index.php/course/extract-data/)[\[Website\]](#)
- [4] Hall, M., **Sullivan, A.J.**, Langberg, V., Springs, S., Wallack, A., Trikalinos, T., Balk, E., Lau, J., Schmid, C. (2017) Search and Screen Your Studies. *EvSynth Academy*. [\[Website\]](#)
- [5] Hall, M., **Sullivan, A.J.**, Langberg, V., Springs, S., Wallack, A., Trikalinos, T., Balk, E., Lau, J., Schmid, C. (2017) Developing Your Question. *EvSynth Academy*. [\[Website\]](#)
- [6] Hall, M., **Sullivan, A.J.**, Langberg, V., Springs, S., Wallack, A., Trikalinos, T., Balk, E., Lau, J., Schmid, C. (2017) Prepare Your Topic. *EvSynth Academy*. [\[Website\]](#)
- [7] Hall, M., **Sullivan, A.J.**, Langberg, V., Springs, S., Wallack, A., Trikalinos, T., Balk, E., Lau, J., Schmid, C. (2017) Introduction to Evidence Synthesis. *EvSynth Academy*. [\[Website\]](#)
- [8] **Sullivan, A.J.** (2016) Introduction to R. Statistics Education. [\[Website\]](#)

Books

- [1] **Sullivan, A.J.** (2018) R Companion for Statistics for Social Science. Top Hat Monocle. [Book Website](#)

[2] Leonard, K.L., **Sullivan, A.J.** (2018) Biostatistics for Oncologists. Springer Publishing Company.

Hayward, S., Bailey, S.L., Hauselt, J., Kampen, K., Neely, M.L., Carroll, D., **Sullivan, A.J.**, Cullum, A.J. (2016) Statistics for Social Science: A top Hat Interactive Text. Top Hat Monocle. [Book Website](#)

Invited Conferences and Presentations

[1] Careers in Biostatistics/Statistics Panel Member. November 2018, Haverford College, Haverford, PA.

[2] Making the Case for Using a Simple and Modifiable Neighborhood Risk Index. October 2018, Holy Cross University, Worcester, MA.

[3] Utilizing Free Resources to Advance Students Programming for Data Science Skills: Github Classroom. Electronic Conference on Teaching Statistics, May 2018, Online Tech Talk.

[4] Utilizing Free Resources to Advance Students Programming for Data Science Skills: Data Camp. Electronic Conference on Teaching Statistics, May 2018, Online Poster Presentation.

[5] Flipping Classrooms!, Teaching Training Program, February 27, 2018. Harvard School of Public Health, Boston, MA.

[6] Why Statistics in the World of Data Science?, Mathematics and Statistics Department, November, 2017. Mt. Holyoke College, Massachusetts.

[7] Statistics and the Emerging Discipline of Data Science, United States Conference on Teaching Statistics, May, 2017. Penn State, Pennsylvania.

[8] The Results of Blended Instruction in Quantitative Methods in Public Health: A Pilot Study, Joint Statistical Meetings, August, 2016, Chicago, IL.

[9] Panel Member on: Teaching a Flipped or Blended Class. Electronic Conference On Teaching Statistics, May, 2016, Online.

[10] What I wish I had known when I flipped a course! Electronic Conference On Teaching Statistics, May, 2016, Online.

[11] The Results of Blended Instruction in Quantitative Methods in Public Health: A Pilot Study. Brown University. February, 2015. Providence, RI.

[12] Sensitivity Analysis for Linear Structural Equation models. College of William and Mary. March, 2015. Williamsburg, VA.

[13] Sensitivity Analysis for Linear Structural Equation models. Clarkson University. February, 2015. Postdam, NY.

Short Courses

[1] Introduction to R Programming for Biostatistics Data Management, Regression Modeling and Survival Analysis, NAMBARI 4th Workshop on Advanced Biostatistical Methods. AMPATH / Moi University School of Medicine. June 19-22, 2017. Eldoret, Kenya. [\[WEBSITE\]](#)

Professional Service

- Reviewer, Hawkes Learning, 2017
- Reviewer, Journal of General Internal Medicine, 2015-2017.
- Reviewer, Cengage, 2016.

Department, School and University Service

- 2018–Pres. School of Public Health Strategic Planning Steering Committee
- 2018–pres. School of Public Health Master’s Strategic Working Group
- 2016–pres. Director of Biostatistics Masters Admissions Committee
- 2016–pres. Co-Director of Biostatistics Academic Priorities Committee
- 2016–2018 School of Public Health Diversity Committee
- 2016–pres. Biostatistics Department Diversity Committee
- 2016–pres. Department of Biostatistics Administrative Committee
- 2016–pres. MPH Curriculum Committee
- 2016–2018 School of Public Health Curriculum Committee
- 2015–pres. Graduate Studies Committee
- 2015-2016 Department of Biostatistics Academic Priorities Committee
- 2015-2016 Department of Biostatistics Masters Admissions Committee Member

Teaching

A. Courses

†= Designed New Course

§= Substantial Revision / Redesign

Semester	Course	Enrollment	Title
Sum 2014	ID 200	15	†Principles of Biostatistics and Epidemiology
FA 2015	PHP 2515	17	†Fundamentals of Probability and Statistical Inference
SP 2016	PHP 2560	18	†Statistical Computing
SP 2016	PHP 2511	58	Applied Regression Analysis
FA 2016	PHP 2515	16	Fundamentals of Probability and Statistical Inference
FA 2016	PHP 2560	29	§Statistical Programming with R
SP 2017	PHP 2511	31	§Applied Regression Analysis
SP 2017	PHP 2560	8	Statistical Programming with R
FA 2017	PHP 1560	4	Statistical Programming with R
FA 2017	PHP 2515	15	Fundamentals of Probability and Statistical Inference
FA 2017	PHP 2560	27	Statistical Programming with R
SP 2018	PHP 1511	5	§Applied Regression Analysis
SP 2018	PHP 2511	35	§Applied Regression Analysis
FA 2018	PHP 1560	9	Statistical Programming with R
FA 2018	PHP 2515	19	Fundamentals of Probability and Statistical Inference
FA 2018	PHP 2560	32	Statistical Programming with R

B. Academic Advising

2015-2016	Chang Chen	ScM in Biostatistics
2015-2017	Devin McCabge	AM in Biostatistics
2015-2016	Zheng Si	ScM in Biostatistics
2015-2016	Yanbing Wang	ScM in Biostatistics
2015-2017	Wanting Zhai	ScM in Biostatistics
2016-2017	Fang Hu	AM in Biostatistics
2016-pres.	Jerson Cochancela	ScM in Biostatistics
2016-pres.	Kaori Ito	ScM in Biostatistics
2016-2017	Meng Kun	ScM in Biostatistics
2016-pres.	Yue Peng	AM in Biostatistics
2017-2018	Carol Shum	ScM in Biostatistics
2017-2018	Allan Kimaina	ScM in Biostatistics
2017-2018	Xiaofei Yang	AM in Biostatistics
2017-2018	Isaac Zhao	AM in Biostatistics

C. Thesis Supervision

- 2017 Wanting Zhai ScM in Biostatistics
Analysis of temporal trends in opioid prescribing: Assessing the effectiveness of an opioid prescribing policy using segmented regression, difference in difference versus propensity scoring techniques
- 2017 Monica Mendoza Applied Mathematics Undergraduate Honors Thesis
A Longitudinal Analysis of Self-Rate Health Among Women in Cebu, Philippines.
- 2017 Sarah Eltinge Statistics Undergraduate Capstone Project
An Interactive Spatial Regression Model of 2016 Presidential Election Results
- 2018 Jerson Cochancela ScM in Biostatistics
- 2018 Wenyue Xing ScM in Biostatistics
- 2018 Victor Omodi ScM in Biostatistics
Missing Data Methods Application to HIV Data from Western Kenya
- 2018 Richard Ngari MugoScM in Biostatistics
Comparison of Interpretable Machine Learning Algorithms for the Prediction of Virologic Failure
- 2018 Steven Liao Statistics Honors Thesis Project 2018 Olivia Illes Statistics Honors Thesis Project 2018 Jessica Kaminsky **Neighborhood Risk Comparisons on Third Grade Math and Reading Scores in Rhode Island**

D. Other Teaching and Advising Roles

2015–pres. MPH Core Advising Faculty

2015–pres. Faculty Team Member: PHP 0100: First Year Seminar: Statistics is Everywhere

2016–pres. First Year and Sophomore Undergraduate Advisor (4 students)

Research Grants

Active

[1] Innovative Training to Improve CER PCOR Systematic Review Production and Uptake

Role: Co-Investigator

PI: Christopher Schmid

Agency: Agency for Health Care Research and Quality (R25 HS23299)

Amount: \$2,500,00

Period: 2014-2019

[2] RI-Center for Clinical and Translational Science

Role: Co-Investigator

PI: James Padbury

Agency: National Institute of General Medical Sciences (U54 GM115677)

Amount: \$19,500,00

Period: 2016-2021

[3] Training and Teaching for Transforming Big Data Knowledge

Role: Co-Investigator

PI: Neil Sarkar

Agency: National Institute of Mental Health (R25 MH116440)

Amount: \$427,000

Period: 2016-2021

[4] Translating an area-based socio-economic deprivation index into clinical practice

Role: Co-PI

PI: Annie Gjelsvik & Adam Sullivan

Agency: RI Advance-CTR

Amount: \$32,464

Period: 2018-2019

Pending

a) Environmental Exposures and Programming of Fetal Development and Neurobehavior

Role: Biostatistician

PI: Surendra Sharma & Barry Lester

Agency: NIH

Period: 2018-2023

b) Pragmatic Use of Metformin After Gestational Diabetes to Improve Maternal Health

Role: Co-Investigator

PI: Erika Werner & David Savitz

Agency: NIH (R01)

Period: 2019-2024