

**Tyler J. VanderWeele**  
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June 2025

### **Education:**

Ph.D., Biostatistics, Harvard University, 2006  
A.M., Biostatistics, Harvard University, 2005  
M.A., Mathematics, University of Oxford, 2005  
M.A., Finance and Applied Economics, Wharton School, University of Pennsylvania, 2002  
B.A., Philosophy and Theology, University of Oxford, 2000  
B.A., Mathematics, University of Oxford, 2000  
Gibb's Prize for Mathematical Sciences, University of Oxford, Ranked first amongst over one hundred students in the Final Honour School Examinations

### **Primary Academic Appointments:**

2018-Present John L. Loeb and Frances Lehman Loeb Professor of Epidemiology, Harvard University  
2013-2017 Professor, Harvard University, Departments of Epidemiology and Biostatistics  
2009-2013 Associate Professor, Harvard University, Departments of Epidemiology and Biostatistics  
2006-2009 Assistant Professor, University of Chicago, Department of Health Studies

### **Other Academic Appointments:**

2019-2020 George Eastman Visiting Professor, University of Oxford, Balliol College  
2016-Present Director, Human Flourishing Program, Harvard University  
2014-Present Co-Director, Initiative on Health, Spirituality, and Religion, Harvard University  
2013-Present Member, Dana-Farber/Harvard Cancer Center  
2010-Present Faculty Associate, Institute of Quantitative Social Science, Harvard University  
2010-Present Faculty Member, Program in Quantitative Genomics, Harvard University  
2009-Present Faculty Member, Program on Causal Inference, Harvard School of Public Health  
2009 August Visiting Associate Professor, University of Chicago, Department of Health Studies

### **Honorary Degrees:**

2020 Doctor of Humane Letters, Catholic University of America

### **Honorary Fellowships:**

2024 Elected Member of the American Academy of Sciences & Letters  
2021 Elected Member of the American Academy of Catholic Scholars and Artists  
2021 Elected Fellow of the International Society for Science and Religion  
2021 Elected Fellow of the International Positive Psychology Association  
2014 Elected Fellow of the American Statistical Association

### **Academic Awards:**

2025 Global Positive Health Researcher Award, International Positive Psychology Association  
2017 Presidents' Award, Committee of Presidents of Statistical Societies (COPSS)  
2017 John Snow Award, American Public Health Association  
2014 Mortimer Spiegelman Award, American Public Health Association  
2013 Raymond Carroll Young Investigator Award, Texas A&M University  
2012 Rising Star Award, Society of Pediatric and Perinatal Epidemiologic Research  
1999 Gibb's Prize for Mathematical Sciences, University of Oxford

### **Editorial Activities:**

#### **Epidemiology Journals:**

Editorial Board, *Epidemiology*, 2009-2022  
Co-Founder and Editor-in-Chief, *Epidemiologic Methods*, 2010-2020  
Associate Editor, *American Journal of Epidemiology*, 2013-2017

#### **Medicine and Public Health Journals:**

Statistical Editor, *JAMA Psychiatry*, 2019-Present  
Guest Editor, *American Journal of Public Health*, Section on Religion and Public Health, 2017-2019

#### **Statistics Journals:**

Editorial Board, *Journal of Causal Inference*, 2011-2025  
Associate Editor, *Journal of the Royal Statistical Society, Series B*, 2014-2017  
Associate Editor, *Annals of Statistics*, 2011-2015  
Associate Editor, *Statistics and Probability Letters*, 2010-2012  
Associate Editor, *Statistics in Biosciences*, 2010-2012  
Editorial Board, *International Journal of Biostatistics*, 2010-2012

#### **Social Science Journals:**

Guest Editor, *Proceedings of the National Academy of Sciences, U.S.A*, Social Sciences, 2019-2020  
Editorial Board, *Sociological Methods and Research*, 2012-Present

#### **Well-Being Journals:**

Editorial Advisor, *International Journal of Wellbeing*, 2020-2022  
Editorial Board, *Journal of Positive Psychology and Wellbeing*, 2019-2021

## **Advisory Boards:**

Member, Lancet Commission on COVID-19 Task Force on Mental Health and Wellbeing, 2020-2021  
Advisory Board Member, McHugh Program for Human Flourishing, Johns Hopkins, 2015-Present  
Advisory Board Member, The John Templeton Foundation, 2014-2016

## **Consulting:**

November 2024 – Present	Gloo Inc.
September 2017 – September 2018	Aetna Inc.
August 2015 – December 2016	Analysis Group
September 2014 – March 2015	Johnson & Johnson
October 2013 – December 2013	Millennium Pharmaceuticals
January 2010 – December 2010	National Institute of Child Health and Human Development
October 2007 – June 2010	Hektoen Institute of Medicine
March 2007 – June 2008	Endurance International Group
August 2006 – December 2006	Claristat Business Analytics
July 2001 – June 2003	Children's Hospital of Philadelphia

## **Research Support:**

### **Active:**

The Global Flourishing Study: Piloting and Waves 1-5. Byron Johnson, PI. Tyler J. VanderWeele, Co-PI. Jointly funded by: John Templeton Foundation (61665), Templeton Religion Trust, Templeton World Charity Foundation, Fetzer Institute, Wellbeing for Planet Earth Foundation, Well Being Trust, Paul Foster Family Foundation, David and Carol Myers Foundation, Gallup, Baylor University, and the Human Flourishing Program at Harvard University. Project Period: August 1, 2021 – July 31, 2026. Co-Principal Investigator. \$43,413,727.

The Construct and Assessment of Interpersonal Love. Tyler J. VanderWeele, PI. Matthew Lee, Co-PI. John Templeton Foundation Grant 62731. Project Period: September 1, 2022 – August 31, 2025. Principal Investigator. \$1,942,593.

Impact Initiative for the Human Flourishing Program at Harvard University. Tyler J. VanderWeele, PI. Kern Family Foundation. Project Period: December 1, 2024 – November 30, 2027. Principal Investigator. \$2,223,705.

Longitudinal Meta-Analyses of Religion and Health. Tyler J. VanderWeele, PI. Templeton Religion Trust (2022-30967). Project Period: May 1, 2023 – April 30, 2026. Principal Investigator. \$458,151.

The Virtues for Academic Flourishing Initiative. Tyler J. VanderWeele, PI. Brendan W. Case, Co-PI. Wake Forest University Educating Character Initiative and the Lily Foundation. Project Period: September 1, 2024 – August 31, 2027. Principal Investigator. Direct Costs: \$395,000. Indirect Cost Co-Funding: \$59,250. Total Project: \$454,250.

Promoting character skills that support loving relationships and flourishing in schools. Tyler J. VanderWeele, PI. Christina Hinton, Co-PI. Sponsor Universidad Internacional de La Rioja. Project 8297708-01. Project Period: May 1, 2022 – June 30, 2027. Principal Investigator. \$988,431.

Improving Outcomes in Depression in Primary Care in a Low Resource Setting. Vikram Patel, PI. Steven D. Hollon, Co-PI. Project Period: July 1, 2022 – June 30, 2026. National Institute of Mental Health. Co-Investigator.

Completed – As Principal Investigator:

Theory and Methods for Mediation and Interaction. Tyler J. VanderWeele, PI. Eric Tchetgen Tchetgen, Co-PI. National Cancer Institute R01CA222147. Project Period: February 19, 2018 – January 31, 2025. Principal Investigator. \$2,075,570.

Human Flourishing Program Expansion. Tyler J. VanderWeele, PI. Project Period: July 1, 2020 – October 31, 2022. Kern Family Foundation. Principal Investigator. \$1,316,903.

Aetna Well-Being Research Collaboration. Eileen McNeely, PI. Tyler J. VanderWeele, Co-PI. Aetna Inc. Project Period: November 15, 2017 – November 14, 2022. Principal Investigator. \$4,753,584.

Religion and Human Flourishing – New Empirical Approaches. Tyler J. VanderWeele, PI. John Templeton Foundation Grant 61075. Project Period: February 1, 2019 – January 31, 2022. 25% effort. Principal Investigator. \$1,226,926.

Construct and Assessment of Love – A Planning Grant. Tyler J. VanderWeele, PI. Matthew Lee, Co-PI. John Templeton Foundation Grant 62022. Project Period: February 1, 2021 – January 31, 2022. 10% effort. Principal Investigator. \$234,800.

Global Flourishing Study Planning Grant. Byron Johnson, PI. Tyler J. VanderWeele, Co-PI. John Templeton Foundation Grant 61907. Project Period: January 1, 2020 – December 31, 2020. 25% effort. Co-Principal Investigator. \$234,800.

Identification and Inference for Longitudinal Causal Mediation Analysis in HIV. Eric Tchetgen Tchetgen, PI. Ilya Shpitser, Tyler J. VanderWeele Co-PIs. National Institutes of Health R01 AI104459. Project Period: June 1, 2013 – May 31, 2019. Co-Principal Investigator. 15% effort. \$1,994,525.

Advancing Health, Religion, and Spirituality Research from Public Health to End of Life. Tracy Balboni, PI. Tyler J. VanderWeele, Co-PI. John Templeton Foundation Grant 52125. Project Period: February 1, 2016 – January 31, 2019. Co-Principal Investigator. 30% effort. \$2,104,202.

Theory and Methods for Sufficient Cause Interactions. Tyler J. VanderWeele, PI. National Institutes of Health R56 ES017876. Project Period: October 1, 2016-September 30, 2018. Principal Investigator. 20% Effort. \$150,000.

Theory and Methods for Sufficient Cause Interactions. Tyler J. VanderWeele, PI. National Institutes of Health R01 ES017876. Project Period: April 1, 2010-January 31, 2017. Principal Investigator. \$1,230,465.

Promoting Research on Religion and Public Health. Tyler J. VanderWeele, PI. Templeton Foundation. Project Period: February 1, 2012 – January 31, 2015. Principal Investigator. 10% effort. \$132,084.

Bounds for Direct and Indirect Effects with Application to Perinatal Epidemiology. Tyler J. VanderWeele, PI. National Institutes of Health R03 HD060696. Project Period: July 1, 2010- June 30, 2012. Principal Investigator. \$163,023.

#### Completed – As Co-Investigator:

Building More Forgiving Communities around the Globe. Man Yee Ho, PI. Templeton World Charity Foundation. Grant TWCF0390. Project Period: May 1, 2019 – April 30, 2023. \$999,986. Co-Funding from the Human Flourishing Program, Harvard University: \$200,000. 10% effort. Co-Investigator. \$1,199,986.

Accelerating Transdisciplinary Epidemiology: Colorectal Cancer Omics and Immunity. Shuji Ogino, PI. National Institutes of Health. Project Period: August 1, 2017 – July 31, 2022. Co-Investigator. 5% effort.

Societal and Intergenerational Impact of War: A Prospective Longitudinal Study. Theresa Betancourt, PI. National Institutes of Health. Project Period: September 1, 2012 – August 31, 2019. Co-Investigator. 5% effort.

National Spirituality and Health Consortium. Alexandra Shields, PI. John Templeton Foundation. Project Period March 1, 2016 – February 28, 2019. Co-Investigator. 3% effort.

A Culture of Health (COH): A Business Leadership Imperative. Howard Koh, PI. Robert Wood Johnson Foundation. Co-Investigator. 3% effort.

Statistical informatics in cancer research. Xihong Lin, PI. National Institutes of Health. P01 CA134294. Project Period: July 1, 2013 – June 30, 2018. Co-investigator. 10% effort.

Expanding the Inclusion of Spirituality/Religiosity Measures within National Cohort Studies in the US. Alexandra Shields, PI. John Templeton Foundation Project Period: February 1, 2014 – January 31, 2017. Co-Investigator. 7% effort.

Mammographic Density and Texture features in relation to breast cancer risk. Rulla Tamimi, PI. National Institutes of Health R01 CA175080. Project Period: October 1, 2013 – June 30, 2017. Co-Investigator / Principal Investigator of Subcontract to HSPH. 10% effort.

Transforming neglect and hostility to engagement and hospitality: An interdisciplinary foundation for a future program on religion, health and medicine. Michael Balboni, PI. Templeton Foundation. Project Period: February 1, 2013-January 31, 2016. 3% effort.

Semiparametric Methods for Gene-environment Interaction. Eric Tchetgen Tchetgen, PI. National Institutes of Health R01 ES020337. Project Period: July 20, 2012 – April 30, 2016. Co-Investigator. 10% effort.

Statistical methods for correlated and high-dimensional biomedical data. Xihong Lin, PI. National Institutes of Health. R37 CA076404-11. Project Period: June 1, 2007 – May 31, 2015. Co-investigator. 5% effort.

A National Faith Community Atlas on End-of-Life Spiritual Care: Informing a Religious Community Educational Intervention to Address End-of-Life Cancer Disparities. Michael Balboni, PI. National Institutes of Health. Project Period: July 1, 2013 – June 30, 2015. 3% effort.

Community Based Accompaniment with Supervised Antiretroviral in Peru. Sonya Shin, PI. National Institutes of Health. March 1, 2013 – February 28, 2015. Co-Investigator. 5% effort.

Hospital chaplaincy and medical outcomes at the end of life. Tracy Balboni, PI. HealthCare Chaplaincy. Project Period: July 1, 2012-December 31, 2013. Co-investigator. 5% effort.

Building capacity for evaluating group-level interventions. Stephen Raudenbush, PI. William T. Grant Foundation. Project Period: January 1, 2009 – December 31, 2009. Co-investigator, 10% effort.

Re-engineering translational research at the University of Chicago. Julian Solway, PI. National Institutes of Health U54 RR023560. Project Period: September 17, 2007 – July 3, 2009. 10% effort.

Prenatal care: wise, wasteful, or misunderstood?, John D. Lantos and Diane S. Lauderdale, PIs. Robert Wood Johnson Investigator Award in Health Policy Research. Project Period: March 1, 2007 – February 28, 2010. Co-investigator, 20% effort.

Exploring the effects and causal pathways of prenatal care. John D. Lantos, PI. Chicago Center of Excellence in Health Promotion Economics Pilot Grant. Project Period: November 1, 2006-October 31, 2007. Co-investigator.

Clinical research training program. Fredric L. Coe, PI. National Institutes of Health 5K30 HL04093-02. Project Period: September 1, 2006 – September 16, 2007. Co-investigator, Seminar Director, 15% effort.

### **Teaching - Harvard University:**

Religion, Well-Being, and Public Health (EPI230)  
Taught in 2015, 2017, 2019, 2023, 2025

Methods for Mediation and Interaction (ID542) / Causal Mediation and Interaction (EPI 542)  
Taught in 2011, 2012, 2014, 2015, 2024

Research Workshop in Applied Statistics (GOV3009)  
Taught in 2010-2025

Quantitative Methods for Population Health Sciences (PHS2000)  
Taught in 2016-2023

Study Design in Epidemiologic Research (EPI203)  
Taught in 2012-2016

### **Teaching - University of Chicago:**

Introduction to Biostatistics  
Taught in 2008, 2009

Causal Inference  
Taught in 2007, 2008, 2009

Theory and Methods for Multivariate and Longitudinal Data  
Taught in 2008

Clinical Research Training Program Seminar  
Taught in 2006, 2007

### **Dissertation and Research Advising:**

Harvard University – Post-doctoral Advising:

Post-doctoral Advisor for Noah Padgett, Department of Epidemiology, 2022-2024

Post-doctoral Advisor for Xavier Symons, Department of Epidemiology, 2022-2024

Post-doctoral Advisor for Katelyn Long, Department of Epidemiology, 2019-2021

Post-doctoral Advisor for Maya Mathur, Department of Epidemiology, 2018-2019

Post-doctoral Advisor for Jill Roncarati, Department of Social and Behavioral Sciences, 2017-2019

Post-doctoral Advisor for Ying Chen, Department of Epidemiology, 2016-2018

Post-doctoral Advisor for Donald Frederick, Institute for Quantitative Social Science, 2016-2018

Post-doctoral Advisor for Shanshan Li, Department of Epidemiology, 2015-2016

Post-doctoral Advisor for Peng Ding, Department of Epidemiology, 2015-2016

Post-doctoral Advisor for John Jackson, Department of Epidemiology, 2014-2016

Post-doctoral Advisor for Elizabeth Ogburn, Department of Epidemiology, 2011-2013

Harvard University – Post-doctoral Co-Advising:

Post-doctoral Co-Advisor for Maria Hershey, Human Flourishing Program, 2024-Present

Post-doctoral Co-Advisor for Charlotte Duffee, Human Flourishing Program, 2022-Present

Post-doctoral Co-Advisor for Kate Jackson-Meyer, Human Flourishing Program, 2022-Present

Post-doctoral Co-Advisor for Jonathan Rutledge, Human Flourishing Program, 2022-Present

Post-doctoral Co-Advisor for Wojciech T. Kaftanski, Human Flourishing Program, 2021-2023

Post-doctoral Co-Advisor for Renae Wilkinson, Human Flourishing Program, 2020-2022

Post-doctoral Co-Advisor for Pedro de la Rosa, Human Flourishing Program, 2020-2022

Post-doctoral Co-Advisor for Joanna Hong, Human Flourishing Program, 2020-2022

Post-doctoral Co-Advisor for Koichiro Shiba, Human Flourishing Program, 2020-2022

Harvard University – Doctoral Advising:

Co-advisor for Louisa Smith, Department of Epidemiology, 2018-2021

Doctoral Advisor for Maya Mathur, Department of Biostatistics, 2017-2018

Doctoral Advisor for Jaffer Zaidi, Department of Biostatistics, 2016-2019

Doctoral Advisor for Sheng-Hsuan Lin, Department of Epidemiology, 2014-2016

Doctoral Advisor for Adam Sullivan, Department of Biostatistics, 2011-2015

Doctoral Advisor for Linda Valeri, Department of Biostatistics, 2010-2012

Co-advisor for Elizabeth Ogburn, Department of Biostatistics, 2010-2011

Doctoral and post-doctoral advisees have taken faculty positions at Johns Hopkins University, Stanford University, University of California Berkeley, Brown University, Columbia University, Harvard Medical School, Boston University, and National Taiwan University.

Masters thesis, undergraduate thesis, visiting student, and doctoral dissertation committee research advising for an additional 30 students.

### **Selected Departmental, School, and University Service:**

2022-2024 Subcommittee on the Degree of Doctor of Philosophy in Population Health Sciences

2020-2021 Director, Population Health Sciences PhD Program, Harvard School of Public Health

2019-Present Steering Committee, Institute for Quantitative Social Science, Harvard University

2017-2018 Faculty Hiring Planning Committee, Department of Biostatistics

2017-2018 Inclusion and Belonging Task Force, Survey Development Workgroup, Harvard University

2014-Present University Committee on Rights and Responsibilities, Harvard University

2011-Present Chair, Methods Graduate Admissions Committee, Department of Epidemiology

2015-2017 Methods Qualifying Exam Committee, Department of Epidemiology

2015-2016 Chair, Population Health Science PhD Curriculum Committee on Quantitative Research Methods, Harvard School of Public Health

2011-2014 Seminar Coordinator, Series on Religion and Public Health, Department of Epidemiology

2010 Committee on Epidemiologic Methods Curriculum Review, Department of Epidemiology

2009-Present Admissions Committee, Department of Epidemiology

2009-2013 Seminar Coordinator, Series on Causal Inference, Departments of Epidemiology and Biostatistics

2009 Committee on Curriculum Integration of Epidemiology and Biostatistics



### **Keynote Addresses and Named Lectureships:**

(Selected from over 500 national and international invited seminars, presentations, and public lectures)

International Association for the Psychology of Religion, Keynote Address. August 21-24, 2023. Groningen, The Netherlands.

David B. Larson Memorial Lecture. March 28, 2022. Duke University, Durham NC.

International Epidemiological Association (IEA) World Congress of Epidemiology, Keynote Address. Unifying bias analysis in epidemiology. September 3-6, 2021. Melbourne, Australia.

Symposium on Spiritual, Pastoral and Ethical Dimensions of Health Care, University of Divinity, Keynote Address. On the promotion of human flourishing. September, 2021. Melbourne, Australia.

International Positive Education Network Conference. Keynote Address. October 27, 2020. Online Virtual Conference.

Canterbury Institute, Annual Lecture. On the promotion of human flourishing. May 22, 2020. Oxford, UK.

Global Meeting on Spirituality and Mental Health, Keynote Address. Religious communities and human flourishing. March 29-30, 2019. Juiz de Fora, Brazil.

Armand Nicholi, Jr. and Ingrid Nicholi Endowed Lecture, Massachusetts General Hospital, Department of Psychiatry. Religion and mental health. November 29, 2018. Boston, MA.

Thomas R. Ten Have Symposium on Statistics in Mental Health, Keynote Address. Mediation, interaction and causation in the associations between religious service attendance and suicide. June 7, 2018. Chicago, IL.

Conference on Religion and Medicine, Plenary Address. Empirical foundations of religion and medicine. April 13-15, 2018. St. Louis, MO.

Harland Austin Memorial Lecture, Department of Epidemiology, Emory University. Sensitivity analysis in observational research: introducing the E-value. October 27, 2017. Atlanta, GA.

United States Air Force Chaplains Summit, Keynote Address. Religious communities, health, and well-being. March 28-30, 2017. San Antonio TX.

Conference on Medicine and Religion, Keynote Address. Associations between religious service attendance and mortality, depression, and suicide: Is it causal? What are the mechanisms? March 24-26, 2017. Houston, TX.

David Schottenfeld Lecture, University of Michigan. A unification of mediation and interaction: a four-way decomposition. July 13, 2016. Ann Arbor, MI.

Centers for Disease Control and Prevention Statistics Day, Keynote Address. A unification of mediation and interaction: a four-way decomposition. September 8, 2015. Atlanta, GA.

Netherlands Institute for Health Sciences, Erasmus University, Commencement Address. Advice to Young Scientists. August 28, 2015. Rotterdam, The Netherlands.

John C. Cassel Memorial Lecture, Society for Epidemiologic Research. How to reduce health disparities? Upon what to intervene? Methodological considerations in social epidemiology. June 23-27, 2014. Seattle WA.

Raymond J. Carroll Young Investigator Award Lecture, Department of Statistics, Texas A&M University. Surrogate measures and consistent surrogates. February 20, 2014. College Station, TX.

Häendel School of Modern Epidemiology, Martin-Luther-University Halle-Wittenberg. Methods for mediation and interaction. September 30 – October 3, 2013. Halle, Germany.

Bradford Hill Memorial Lecture, London School of Hygiene and Tropical Medicine. Surrogate outcomes and consistent surrogates. May 24, 2013. London, England.

Conference on Causal Mechanisms, Keynote Address. Varieties of sensitivity analysis for direct and indirect effects. January 28-29, 2013. Ghent, Belgium.

Erasmus Epidemiology Doctoral Alumni Dinner, Keynote Address. Social connections: new frontiers in epidemiology Erasmus University. December 1, 2011. Rotterdam, The Netherlands.

### **Conference Organizing:**

Interdisciplinary Conference on Forgiveness. Human Flourishing Program and Memorial Church, Harvard University. April 21-22, 2023. Cambridge, MA.

Interdisciplinary Conference on Meaning of Life. Human Flourishing Program, Harvard University. Conference Organizer. April 19-20, 2019. Cambridge, MA.

Interdisciplinary Workshop on Measuring Well-Being. Lee Kum Shueng Center for Health and Happiness and Human Flourishing Program, Harvard University. Conference Organizer. April 5-6, 2018. Boston, MA.

Interdisciplinary Conference on “The Enigma of Suffering”. Boston College, Australian Catholic University, and Human Flourishing Program, Harvard University. Conference Co-Organizer. January 3-6, 2017. Rome, Italy.

Advancing Health, Religion, and Spirituality from Public Health to End of Life: Current Research and Critical Issues of Practice. Harvard Medical School and Harvard T.H. Chan School of Public Health. Symposium Co-Organizer. December 2, 2016. Boston, MA.

Atlantic Causal Inference Conference. Harvard University. Conference Organizer. May 20-21, 2013. Cambridge, MA.

Conference on Methods for Causal Mechanisms. Harvard University Institute of Quantitative Social Science. Conference Co-Organizer. March 24, 2012. Cambridge, MA.

### **Media Coverage:**

Research covered in *New York Times*, *USA Today*, *Washington Post*, *Chicago Tribune*, *Wall Street Journal*, *TIME Magazine*, *US News and World Report*, *The Economist*, *CBS*, *CNN*, *BBC*, *Harvard Magazine*, *Harvard Crimson*, and *Harvard Public Health Magazine*.

### **Books:**

VanderWeele, T.J. (2024). *A Theology of Health: Wholeness and Human Flourishing*. University of Notre Dame Press.

Koenig, H.K., VanderWeele, T.J., and Peteet, J.R. (2024). *Handbook of Religion and Health*. 3<sup>rd</sup> Edition. Oxford University Press.

Lash, T.L., VanderWeele, T.J., Haneuse, S., and Rothman, K.J. (2021). *Modern Epidemiology*. 4<sup>th</sup> Edition. Wolters Kluwer.

Lee, M.T., Kubzansky, L.D., and VanderWeele, T.J. (2021). *Measuring Well-Being*. Oxford University Press.

VanderWeele, T.J. (2015). *Explanation in Causal Inference: Methods for Mediation and Interaction*. Oxford University Press.

**Articles in Peer-Reviewed Journals:** (Of 560 Papers: 200 First or Single Author; 221 Last/Senior Author)

*Methodological Contributions in Statistics Journals (80 Papers)*

(1) Mathur, M.B., VanderWeele, T.J., Shpitser, I. A common-cause principle for eliminating selection bias in causal estimands through covariate adjustment. *Annals of Statistics*, in press.

(2) Mathur, M.B. and VanderWeele, T.J. (2023). New metrics for multiple testing with correlated outcomes. *Frontiers in Applied Mathematics and Statistics*, 9:1151314.

(3) VanderWeele, T.J. and Batty, C.J.K. (2023). On the dimensional indeterminacy of one-wave factor analysis under causal effects. *Journal of Causal Inference*, 11:20220074.

- (4) VanderWeele, T.J. (2023). Discussion of: “Vintage factor analysis with varimax performs statistical inference.” *Journal of the Royal Statistical Society, Series B*, 85:1091-1092.
- (5) VanderWeele, T.J. (2023). Discussion of: “Experimental evaluation of algorithm-assisted human decision-making: application to pretrial public safety assessment.” *Journal of the Royal Statistical Society, Series A*, 186:209-210.
- (6) VanderWeele, T.J. and Vansteelandt, S. (2022). A statistical test to reject the structural interpretation of a latent factor model. *Journal of the Royal Statistical Society, Series B*, 84:2032-2054.
- (7) Zaidi, J. and VanderWeele, T.J. (2021). Sufficient cause interactions for categorical and ordinal outcomes. *Statistica Sinica*, 31:2195-2212.
- (8) Zaidi, J. and VanderWeele, T.J. (2021). On the identification of individual level principal stratum direct, natural direct and pleiotropic effects without cross-world independence assumptions. *Scandinavian Journal of Statistics*, 48:881-907.
- (9) Mathur, M.B. and VanderWeele, T.J. (2021). Meta-regression methods to characterize evidence strength using meaningful-effect percentages conditional on study characteristics. *Research Synthesis Methods*, 12:731-749.
- (10) Mathur, M.B. and VanderWeele, T.J. (2021). Estimating publication bias in meta-analyses of peer-reviewed studies: A meta-meta-analysis across disciplines and journal tiers. *Research Synthesis Methods*, 12:176-191.
- (11) VanderWeele, T.J., Mathur, M.B., and Chen, Y. (2020). Outcome-wide longitudinal designs for causal inference: a new template for empirical studies. *Statistical Science*, 35:437-466.
- (12) VanderWeele, T.J., Mathur, M.B., and Chen, Y. (2020). The future of outcome-wide studies. *Statistical Science*, 35:479-483.
- (13) VanderWeele, T.J. (2020). Optimal approximate conversions of odds ratios and hazard ratios to risk ratios. *Biometrics*, 76:746-752.
- (14) VanderWeele, T.J. (2020). Hill’s causal considerations and the potential outcomes framework. *Observational Studies*, 6:47-54.
- (15) Mathur, M.B. and VanderWeele, T.J. (2020). Sensitivity analyses for publication bias in meta-analyses. *Journal of the Royal Statistical Society, Series C*, 69:1091-1119.
- (16) Mathur, M.B. and VanderWeele, T.J. (2020) New statistical metrics for multisite replication projects. *Journal of the Royal Statistical Society, Series A*, 183:1145-1166.
- (17) Mathur, M.B. and VanderWeele, T.J. (2020). Sensitivity analysis for unmeasured confounding in meta-analyses. *Journal of the American Statistical Association*, 115:163-172.

- (18) Mathur, M.B. and VanderWeele, T.J. (2020). Discussion of: “A new standard for the analysis and design of replication studies.” *Journal of the Royal Statistical Society, Series A*, 183:451-452.
- (19) Linden, A., Mathur, M.B., and VanderWeele, T.J. (2020). Conducting sensitivity analysis for unmeasured confounding in observational studies using E-values: The evalua package. *Stata Journal*, 20:162-175.
- (20) Li, Y., and VanderWeele, T.J. (2020). Direct effects under differential misclassification in outcomes, exposures, and mediators. *Journal of Causal Inference*, 8:286-299.
- (21) Mathur, M.B. and VanderWeele, T.J. (2019). New metrics for meta-analyses of heterogeneous effects. *Statistics in Medicine*, 3:1336-1342.
- (22) VanderWeele, T.J., Ding, P., and Mathur, M.B. (2019). Technical considerations in the use of the E-value. *Journal of Causal Inference*, 7(2):1-11.
- (23) VanderWeele, T.J. and Tchetgen Tchetgen, E.J. (2017). Mediation analysis with time-varying exposures and mediators. *Journal of the Royal Statistical Society, Series B*, 79:917-938.
- (24) Ding, P. VanderWeele, T.J., and Robins, J.M. (2017). Instrumental variables as bias amplifiers with general outcome and confounding. *Biometrika*, 104:291-302.
- (25) Ogburn, E.L. and VanderWeele, T.J. (2017). Vaccines, contagion, and social networks. *Annals of Applied Statistics*, 11:919-948.
- (26) Lin, S.-H., Young, J., Logan, R., and VanderWeele, T.J. (2017). Mediation analysis for a survival outcome with time-varying exposures, mediators, and confounders. *Statistics in Medicine*, 20:4153-4166.
- (27) Lin, S.-H., and VanderWeele, T.J. (2017). Interventional approach for path-specific effects. *Journal of Causal Inference*, 5(1):Article 2:1-10.
- (28) Bind, M.A., VanderWeele, T.J., Schwartz, J., and Coull, B. (2017). Quantile causal mediation analysis for longitudinal data. *Statistics in Medicine*, 20:4182-4195.
- (29) VanderWeele, T.J. (2017). Discussion of: “Beyond objective and subjective in statistics.” *Journal of the Royal Statistical Society, Series A*, 180:1021-1022.
- (30) VanderWeele, T.J. (2016). Discussion of: “Causal inference using invariant prediction: identification and confidence intervals” by J. Peters, P. Bühlmann and N. Meinshausen. *Journal of the Royal Statistical Society, Series B*, 78:995.
- (31) Forastiere, L., Mealli, F., and VanderWeele, T.J. (2016). Identification and estimation of causal mechanisms in clustered encouragement designs: disentangling bed nets using Bayesian principal stratification. *Journal of the American Statistical Association*, 111:510-525.

- (32) Ding, P., and VanderWeele, T.J. (2016). Sharp sensitivity bounds for mediation under unmeasured mediator-outcome confounding. *Biometrika*, 103:483-490.
- (33) Bind, M.A., VanderWeele, T.J., Coull, B. and Schwartz, J. (2016). Mixed-effects causal mediation analysis for longitudinal data. *Biostatistics*, 17:122-134.
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