

Tyler J. VanderWeele
Harvard T.H. Chan School of Public Health
Departments of Epidemiology and Biostatistics
677 Huntington Avenue
Boston, MA 02115
tvanderw@hsph.harvard.edu
Phone: 617-432-7855
Fax: 617-432-1884

September 2022

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, Religion and Spirituality, 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

Awards and Honors:

2021 Elected Fellow of the International Positive Psychology Association
2021 Elected Fellow of the International Society for Science and Religion
2017 Presidents' Award, Committee of Presidents of Statistical Societies (COPSS)
2017 John Snow Award, American Public Health Association
2014 Elected Fellow of the American Statistical 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-Present
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:

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, 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.

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, 2023. Principal Investigator. \$2,075,570.

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.

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

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 - Apr 30, 2027. \$988,431.

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

Building More Forgiving Communities around the Globe. Man Yee Ho, PI. Templeton World Charity Foundation. Grant TWCF0390. Project Period: May 1, 2019- April 30, 2024. \$999,986. Co-Funding from the Human Flourishing Program, Harvard University: \$200,000. 10% effort. Co-Investigator. \$1,199,986.

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:

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.

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.

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.

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.

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.

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.

Completed – As Co-Investigator:

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:

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

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

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

Methods for Mediation and Interaction (ID542)
Taught in 2012, 2014, 2015

Research Workshop in Applied Statistics (GOV3009)
Taught in 2010-2023

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-Present

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

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 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-Present

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

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-Present 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
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 400 national and international invited seminars, presentations, and public lectures)

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 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:

Koenig, H.K., VanderWeele, T.J., and Peteet, J.R. *Handbook of Religion and Health*, 3rd Edition. Oxford University Press. Expected publication in 2022.

Lash, T.L., VanderWeele, T.J., Haneuse, S., and Rothman, K.J. (2021). *Modern Epidemiology*, 4th 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 429 Papers: 184 First or Single Author; 135 Last/Senior Author)

Methodological Contributions in Statistics Journals (77 Papers)

- (1) VanderWeele, T.J. and Vansteelandt, S. A statistical test to reject the structural interpretation of a latent factor model. *Journal of the Royal Statistical Society, Series B*, in press.
- (2) VanderWeele, T.J. Discussion of: “Vintage factor analysis with varimax performs statistical inference.” *Journal of the Royal Statistical Society, Series B*, in press.
- (3) VanderWeele, T.J. Discussion of: “Experimental evaluation of algorithm-assisted human decision-making: application to pretrial public safety assessment.” *Journal of the Royal Statistical Society, Series A*, in press.
- (4) Zaidi, J. and VanderWeele, T.J. (2021). Sufficient cause interactions for categorical and ordinal outcomes. *Statistica Sinica*, 31:2195-2212.
- (5) 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.
- (6) Mathur, M. 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.
- (7) Mathur, M. 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.

- (8) 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.
- (9) VanderWeele, T.J., Mathur, M.B., and Chen, Y. (2020). The future of outcome-wide studies. *Statistical Science*, 35:479-483.
- (10) VanderWeele, T.J. (2020). Optimal approximate conversions of odds ratios and hazard ratios to risk ratios. *Biometrics*, 76:746-752.
- (11) VanderWeele, T.J. (2020). Hill's causal considerations and the potential outcomes framework. *Observational Studies*, 6:47-54.
- (12) Mathur, M. and VanderWeele, T.J. (2020). Sensitivity analyses for publication bias in meta-analyses. *Journal of the Royal Statistical Society, Series C*, 69:1091-1119.
- (13) Mathur, M. and VanderWeele, T.J. (2020) New statistical metrics for multisite replication projects. *Journal of the Royal Statistical Society, Series A*, 183:1145-1166.
- (14) Mathur, M. and VanderWeele, T.J. (2020). Sensitivity analysis for unmeasured confounding in meta-analyses. *Journal of the American Statistical Association*, 115:163-172.
- (15) Mathur, M. 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.
- (16) Linden, A., Mathur, M.B., and VanderWeele, T.J. (2020). Conducting sensitivity analysis for unmeasured confounding in observational studies using E-values: The evaluate package. *Stata Journal*, 20:162-175.
- (17) Li, Y., and VanderWeele, T.J. (2020). Direct effects under differential misclassification in outcomes, exposures, and mediators. *Journal of Causal Inference*, 8:286-299.
- (18) Mathur, M. and VanderWeele, T.J. (2019). New metrics for meta-analyses of heterogeneous effects. *Statistics in Medicine*, 3:1336-1342.
- (19) VanderWeele, T.J., Ding, P., and Mathur, M. (2019). Technical considerations in the use of the E-value. *Journal of Causal Inference*, 7(2):1-11.
- (20) 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.
- (21) Ding, P. VanderWeele, T.J., and Robins, J.M. (2017). Instrumental variables as bias amplifiers with general outcome and confounding. *Biometrika*, 104:291-302.
- (22) Ogburn, E.L. and VanderWeele, T.J. (2017). Vaccines, contagion, and social networks. *Annals of Applied Statistics*, 11:919-948.

- (23) 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.
- (24) Lin, S.-H., and VanderWeele, T.J. (2017). Interventional approach for path-specific effects. *Journal of Causal Inference*, 5(1):Article 2:1-10.
- (25) 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.
- (26) VanderWeele, T.J. (2017). Discussion of: “Beyond objective and subjective in statistics.” *Journal of the Royal Statistical Society, Series A*, 180:1021-1022.
- (27) 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.
- (28) 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.
- (29) Ding, P., and VanderWeele, T.J. (2016). Sharp sensitivity bounds for mediation under unmeasured mediator-outcome confounding. *Biometrika*, 103:483-490.
- (30) Bind, M.A., VanderWeele, T.J., Coull, B. and Schwartz, J. (2016). Mixed-effects causal mediation analysis for longitudinal data. *Biostatistics*, 17:122-134.
- (31) Robins, J.M., VanderWeele, T.J., and Gill, R. (2015). A proof of Bell’s inequality in quantum mechanics using causal interactions. *Scandinavian Journal of Statistics*, 42:329-335.
- (32) VanderWeele, T.J. (2015). Observational studies and study designs: an epidemiologic perspective. *Observational Studies*, 1:223-230.
- (33) VanderWeele, T.J., Tchetgen Tchetgen E.J., and Halloran, M.E. (2014). Interference and sensitivity analysis. *Statistical Science*, 29:687-706.
- (34) Ogburn, E.L. and VanderWeele, T.J. (2014). Causal diagrams for interference and contagion. *Statistical Science*, 29:559-578.
- (35) Ding, P. and VanderWeele, T.J. (2014). Generalized Cornfield conditions for the risk difference. *Biometrika*, 101:971-977.
- (36) Valeri, L. and VanderWeele, T.J. (2014). The estimation of direct and indirect causal effects in the presence of a misclassified binary mediator. *Biostatistics*, 15:498-512.

- (37) Valeri, L., Lin, X., and VanderWeele, T.J. (2014). Mediation analysis when a continuous mediator is measured with error and the outcome follows a generalized linear model. *Statistics in Medicine*, 33:4875-4890.
- (38) Jiang, Z., Chiba, Y., and VanderWeele, T.J. (2014). Monotone confounding, monotone treatment selection, and monotone treatment response. *Journal of Causal Inference*, 2:1-12.
- (39) Huang, Y.-T., VanderWeele, T.J., and Lin, X. (2014). Joint analysis of SNP and gene expression data in genetic association studies of complex diseases. *Annals of Applied Statistics*, 8:352-376.
- (40) VanderWeele, T.J., Hong, G., Jones, S. and Brown, J. (2013). Mediation and spillover effects in group-randomized trials: a case study of the 4R's educational intervention. *Journal of the American Statistical Association*, 108:469-482.
- (41) VanderWeele, T.J. (2013). Surrogate measures and consistent surrogates (with Discussion). *Biometrics*, 69:561-681.
- (42) VanderWeele, T.J. and Shpitser, I. (2013). On the definition of a confounder. *Annals of Statistics*, 41:196-220.
- (43) VanderWeele, T.J. and Hernán, M.A. (2013). Causal inference under multiple versions of treatment. *Journal of Causal Inference*, 1:1-20.
- (44) VanderWeele, T.J. (2013). Inference for influence over multiple degrees of separation on a social network. *Statistics in Medicine*, 32:591-596.
- (45) VanderWeele, T.J., and Emsley, R. (2013). Discussion of "Experimental design for identifying causal mechanisms." *Journal of the Royal Statistical Society, Series A*, 176:46.
- (46) Ogburn, E.L. and VanderWeele, T.J. (2013). Bias attenuation results for nondifferentially mismeasured ordinal and coarsened confounders. *Biometrika*, 100:241-248.
- (47) Mukherjee, B., Ko, Y.A., VanderWeele, T.J., Roy, A., Park, S.K., Chen, J. (2012). Principal interactions analysis for repeated measures data: application to gene-gene, gene-environment interactions. *Statistics in Medicine*, 31:2531-2551.
- (48) Chen, J., Kang, G., VanderWeele, T.J., Zhang, C., Mukherjee, B. (2012). Efficient designs of gene-environment interaction studies: implications of Hardy-Weinberg equilibrium and gene-environment independence. *Statistics in Medicine*, 31:2516-2530.
- (49) Vansteelandt, S. and VanderWeele, T.J. (2012). Natural direct and indirect effects on the exposed: effect decomposition under weaker assumptions. *Biometrics*, 68:1019-1027.
- (50) Tchetgen Tchetgen, E.J. and VanderWeele, T.J. (2012). On causal inference in the presence of interference. *Statistical Methods in Medical Research – Special Issue on Causal Inference*, 21:55-75.

- (51) Vansteelandt, S., VanderWeele, T.J. and Robins, J.M. (2012). Semiparametric tests for sufficient cause interactions. *Journal of the Royal Statistical Society, Series B*, 74:223-244.
- (52) VanderWeele, T.J., Mukherjee, B. and Chen, J. (2012). Sensitivity analysis for interactions under unmeasured confounding. *Statistics in Medicine*, 31:2552-2564.
- (53) VanderWeele, T.J. and Richardson, T.S. (2012). General theory for interactions in sufficient cause models with dichotomous exposures. *Annals of Statistics*, 40:2128-2161.
- (54) VanderWeele, T.J. (2012). Inference for additive interaction under exposure misclassification. *Biometrika*, 99:502-508.
- (55) VanderWeele, T.J. and Tan, Z. (2012). Directed acyclic graphs with edge-specific bounds. *Biometrika*, 99:115-126.
- (56) VanderWeele, T.J. and Robins, J.M. (2012). Stochastic counterfactuals and stochastic sufficient causes. *Statistica Sinica*, 22:379-392.
- (57) VanderWeele, T.J. (2011). Controlled direct and mediated effects: definition, identification and bounds. *Scandinavian Journal of Statistics*, 38:551-563.
- (58) VanderWeele, T.J. and Shpitser, I. (2011). A new criterion for confounder selection. *Biometrics*, 67:1406-1413.
- (59) VanderWeele, T.J., Chen, Y. and Ahsan, H. (2011). Inference for causal interactions for continuous exposures under dichotomization. *Biometrics*, 67:1414-1421.
- (60) VanderWeele, T.J. (2011). Principal stratification: uses and limitations. *International Journal of Biostatistics*, 7, Article 28, 1-14.
- (61) VanderWeele, T.J. and Tchetgen Tchetgen, E.J. (2011). Effect partitioning under interference for two-stage randomized vaccine trials. *Statistics and Probability Letters – Special Issue on Statistics in Biological and Medical Sciences*, 81:861-869.
- (62) Shpitser, I. and VanderWeele, T.J. (2011). A complete graphical criterion for the adjustment formula in mediation analysis. *International Journal of Biostatistics*, 7, Article 16:1-24.
- (63) VanderWeele, T.J. (2010). Sufficient cause interactions for categorical and ordinal exposures with three levels. *Biometrika*, 97:647-659.
- (64) VanderWeele, T.J. and Robins, J.M. (2010). Signed directed acyclic graphs for causal inference. *Journal of the Royal Statistical Society, Series B*, 72:111-127.
- (65) VanderWeele, T.J. (2010). Attributable fractions for sufficient cause interactions. *International Journal of Biostatistics (Special Issue for the Proceedings of the BIRS Workshop on Causal Inference in Statistics and the Quantitative Sciences)*, 10(2), Article 5:1-26.

- (66) VanderWeele, T.J. and Vansteelandt, S. (2009). Conceptual issues concerning mediation, interventions and composition. *Statistics and Its Interface (Special Issue on Mental Health and Social Behavioral Science)* 2:457-468.
- (67) VanderWeele, T.J. and Robins, J.M. (2009). Minimal sufficient causation and directed acyclic graphs. *Annals of Statistics*, 37:1437-1465.
- (68) VanderWeele, T.J. and Robins, J.M. (2009). The properties of monotonic effects on directed acyclic graphs. *Journal of Machine Learning Research – Special Topic on Causality*, 10:699-718.
- (69) VanderWeele, T.J. (2009). An extension of some instrumental variable results of Zhiqiang Tan. Supplemental material for: *Journal of the American Statistical Association*, 104:427. Available at: pubs.amstat.org/doi/suppl/10.1198/jasa.2009.0145
- (70) Vansteelandt, S., VanderWeele, T.J., Tchetgen, E.J., Robins, J.M., (2008). Multiply robust inference for statistical interactions. *Journal of the American Statistical Association*, 103:1693–1704.
- (71) VanderWeele, T.J. (2008). Discussion of “Sampling bias and logistic models” by P. McCullagh. *Journal of the Royal Statistical Society, Series B*, 70:673-674.
- (72) VanderWeele, T.J. (2008). Simple relations between principal stratification and direct and indirect effects. *Statistics and Probability Letters*, 78:2957-2962.
- (73) VanderWeele, T.J. (2008). The sign of the bias of unmeasured confounding. *Biometrics*, 64:702–706.
- (74) VanderWeele, T.J. (2008). Sensitivity analysis: distributional assumptions and confounding assumptions. *Biometrics*, 64:645-649.
- (75) VanderWeele, T.J. and Robins, J.M. (2008). Empirical and counterfactual conditions for sufficient cause interactions. *Biometrika*, 95:49-61.
- (76) VanderWeele, T.J. (2008). Ignorability and stability assumptions in neighborhood effects research. *Statistics in Medicine*, 27:1934-1943.
- (77) Robins, J.M., VanderWeele, T.J. and Richardson, T.S. (2006). Comment on: “Causal effects in the presence of non compliance: a latent variable interpretation” by A. Forcina. *Metron International Journal of Statistics*, 64:288-298.
- Methodological Contributions in Epidemiologic, Biomedical, or Social Science Journals (156 Papers)*
- (78) Tai, A.-S. Lin, S.-H., Chu, Y.-C., Yu, T., Puhon, M.A., and VanderWeele, T.J. Causal mediation analysis with multiple time-varying mediators. *Epidemiology*, in press.

- (79) VanderWeele, T.J. (2022). Constructed measures and causal inference: towards a new model of measurement for psychosocial constructs. *Epidemiology*, 33:141-151.
- (80) VanderWeele, T.J. (2022). Are Greenland, Ioannidis, and Poole opposed to the Cornfield Conditions? A defense of the E-value. *International Journal of Epidemiology*, 51:364–371.
- (81) VanderWeele, T.J. Cashin, A.G., McAuley, J.H., and Lee, H. (2022). A new tool for reporting mediation analyses. *Epidemiology*, 33:e16-18.
- (82) An, W. and VanderWeele, T.J. (2022). Opening the blackbox of treatment interference: tracing treatment diffusion through network analysis. *Sociological Methods and Research*, 18:141-164.
- (83) Mathur, M. and VanderWeele, T.J. (2022). Statistical methods to address confounding and other biases in meta-analyses: review and recommendations. *Annual Review of Public Health*, 43:19-35.
- (84) Mathur, M. and VanderWeele, T.J. (2022). How to report E-values for meta-analyses: Recommended improvements and additions to the new GRADE approach. *Environment International*, 160:107032.
- (85) Mathur, M.B., Smith, L.H., Yoshida, K., Ding, P., and VanderWeele, T.J. (2022). E-values for effect heterogeneity and approximations for causal interaction. *International Journal of Epidemiology*, 51:1268-1275.
- (86) Maier, M. VanderWeele, T.J., and Mathur, M. (2022). Using selection models to assess sensitivity to publication bias: a tutorial and call for more routine use. *Campbell Systematic Reviews*, 18:e1256.
- (87) Lewis, M., Mathur, M.B., VanderWeele, T.J. and Frank, M.C. (2022). The puzzling relationship between multi-lab replications and meta-analyses of the published literature. *Royal Society Open Science*, 9:211499.
- (88) Vo, T.-T. Cashin, A., Superchi, C., Pham, H.T.T., Nguyen., T.B., Boutron, I., MacKinnon, D., VanderWeele, T.J., Lee, H., and Vansteelandt, S. (2022). Quality assessment practice in systematic reviews of mediation studies: results from an overview of systematic reviews. *Journal of Clinical Epidemiology*, 143:137-148.
- (89) VanderWeele, T.J. (2021). Can sophisticated study designs with regression analyses of observational data provide causal inferences? *JAMA Psychiatry*, 78:244-246.
- (90) Lee, H., Cashin, A.G., Lamb, S.E., Hopewell, S., Vansteelandt, S., VanderWeele, T.J., MacKinnon, D.P., Mansell, G., Collins, G.S., Golub, R.M., McAuley, J.H. and the AGReMA Group. (2021). A guideline for reporting mediation analyses of randomized trials and observational studies: The AGReMA Statement. *JAMA*, 326:1045-1056.
- (91) Skrivankova V.W., Richmond, R.C., Woolf, B.A.R., Yarmolinsky, J., Davies, N.M., Swanson, S.A., VanderWeele, T.J., Higgins, J.P.T., Timpson, N.J., Dimou, N., Langenberg, C., Golub, R.M., Loder, E.W., Gallo, V., Tybjaerg-Hansen, A., Davey Smith, G., Egger, M., and Richards, J.B. (2021).

Strengthening the Reporting of Observational Studies in Epidemiology using Mendelian Randomization: The STROBE-MR Statement. *JAMA*, 326:1614-1621.

(92) Skrivankova, V.W., Richmond, R.C., Woolf, B.A.R., Davies, N.D., Swanson, S.A., VanderWeele, T.J., Timpson, N.J., Higgins, J.P.T., Dimou, N., Langenberg, C., Loder, E.W., Golub, R.M., Egger, M., Davey Smith, G., and Richards, J.B. (2021). Strengthening the Reporting of Observational Studies in Epidemiology using Mendelian Randomisation (STROBE-MR): explanation and elaboration. *BMJ*, 2021;375:n2233.

(93) Smith, L.H., Mathur, M. and VanderWeele, T.J. (2021). Multiple-bias sensitivity analysis using bounds. *Epidemiology*, 32:625-634.

(94) Shi, B., Choirat, C., Coull, B.A., VanderWeele, T.J., and Valeri, L. (2021). CMAverse: a suite of functions for reproducible causal mediation analyses. *Epidemiology*, 32:e20-e22.

(95) VanderWeele, T.J. and Mathur, M.B. (2020). Developing best practice guidelines for the reporting of E-values. *International Journal of Epidemiology*, 49:1495-1497.

(96) VanderWeele, T.J., Martin, J.N., and Mathur, M.B. (2020). E-values and incidence density sampling. *Epidemiology*, 31:e51-e52.

(97) VanderWeele, T.J. (2020). Frontiers of power assessment in mediation analysis. *American Journal of Epidemiology*, 189:1568–1570.

(98) Smith, L.H. and VanderWeele, T.J. (2020). Simple sensitivity analysis for control selection bias. *Epidemiology*, 31:e44-e45.

(99) Mathur, M. and VanderWeele, T.J. (2020). Fundamental problems with the “credibility ceiling” method for meta-analyses. *Journal of Clinical Epidemiology*, 127:208-210.

(100) Mathur, M. and VanderWeele, T.J. (2020). Errors in the statistical justification for the “credibility ceiling” remain uncorrected. *Journal of Clinical Epidemiology*, 127:214-216.

(101) Swanson, S.A. and VanderWeele, T.J. (2020). E-values for Mendelian randomization. *Epidemiology*, 31:e23-e24.

(102) Mathur, M. and VanderWeele, T.J. (2020). Robust metrics and sensitivity analyses for meta-analyses of heterogeneous effects. *Epidemiology*, 31:356-358.

(103) Mathur, M. and VanderWeele, T.J. (2020). A simple interpretable conversion from Pearson’s correlation to Cohen’s d for continuous exposures. *Epidemiology*, 31:e16-18.

(104) Chu, T.-Z., Ojha, R., VanderWeele, T.J. (2020). Empirical comparison of approaches for odds ratios to risk ratio transformations in meta-analyses of randomized controlled trials with common outcomes. *Annals of Epidemiology*, 44:57-59.

- (105) VanderWeele, T.J. (2020). Counterfactuals in social epidemiology: thinking outside of “the box.” *American Journal of Epidemiology*, 189:175-178.
- (106) VanderWeele, T.J., Luedtke A.R., van der Laan, M.J., and Kessler, R.C. (2019). Selecting optimal subgroups for treatment using many covariates. *Epidemiology*, 30:334-341.
- (107) VanderWeele, T.J. (2019). The interaction continuum. *Epidemiology*, 30:648-658.
- (108) VanderWeele, T.J. and Christakis, N.A. (2019). Network multipliers and public health. *International Journal of Epidemiology*, 48:1032-1037.
- (109) VanderWeele, T.J. (2019). Principles of confounder selection. *European Journal of Epidemiology*, 34:211-219.
- (110) VanderWeele, T.J. and Li, Y. (2019). Simple sensitivity analysis for differential measurement error. *American Journal of Epidemiology*, 188:1823-1829.
- (111) VanderWeele, T.J. (2019). Multiplicative interactions under differential outcome measurement error with perfect specificity. *Epidemiology*, 30:e15-e16.
- (112) VanderWeele, T.J. and Mathur, M. (2019). Some desirable properties of the Bonferroni correction: is the Bonferroni correction really so bad? *American Journal of Epidemiology*, 188:617-618.
- (113) VanderWeele, T.J., Mathur, M.B., and Ding, P. (2019). Correcting misinterpretations of the E-value. *Annals of Internal Medicine*, 170:131-132.
- (114) VanderWeele, T.J., Valeri, L., and Ananth, C.V. (2019). Mediation formulas with binary mediators and outcomes and the “rare outcome assumption.” *American Journal of Epidemiology*, 188:1204-1205.
- (115) Haneuse, S., VanderWeele, T. J., and Arterburn, D. (2019). Using the E-value to assess the potential effect of unmeasured confounding in observational studies. *JAMA*, 321:602-603.
- (116) Jiang, Z., and VanderWeele, T.J. (2019). Causal mediation analysis in the presence of a misclassified binary exposure. *Epidemiologic Methods*, 8:20160006.
- (117) Mathur, M. and VanderWeele, T.J. (2019). Challenges and suggestions for defining replication "success" when effects may be heterogeneous. *Psychological Methods*, 24:571-575.
- (118) Smith, L.H. and VanderWeele, T.J. (2019). Mediation E-values: approximate sensitivity analysis for unmeasured mediator-outcome confounding. *Epidemiology*, 30:835-837.
- (119) Smith, L.H. and VanderWeele, T.J. (2019). Bounding bias due to selection. *Epidemiology*, 30:509-516.
- (120) Jackson, J.W. and VanderWeele, T.J. (2019). Intersectional decomposition analysis with differential exposure, effects, and construct. *Social Science and Medicine*, 226:254-259.

- (121) Jackson, J.W. and VanderWeele, T.J. (2018). Decomposition analysis to identify intervention targets for reducing disparities. *Epidemiology*, 29:825-835.
- (122) Suzuki, E., and VanderWeele, T.J. (2018). Mechanisms and uncertainty in randomized controlled trials. *Social Science and Medicine*, 210:83-85.
- (123) Mathur, M. and VanderWeele, T.J. (2018). R function for additive interaction measures. *Epidemiology*, 29:e5-e6.
- (124) Mathur, M.B., Ding, P., Riddell, C.A., and VanderWeele, T.J. (2018). Website and R package for computing E-values. *Epidemiology*, 29:e45-e47.
- (125) Spiegelman, D., Khudyakov, P., Wang, M. and VanderWeele, T.J. (2018). Evaluating public health interventions: 7. Let the subject matter choose the effect measure: ratio, difference or something else entirely. *American Journal of Public Health*, 108:73-76.
- (126) Keogh, R., Daniels, R., VanderWeele, T.J., and Vansteelandt, S. (2018) Analysis of longitudinal studies: adjusting for time-dependent confounding using conventional methods. *American Journal of Epidemiology*, 187:1085-1092.
- (127) Liu, L., Nevo, D., Nishihara, R., Cao, Y., Song, M., Twombly, T.S., Chan, A.T., Giovannucci, E.L., VanderWeele, T.J., Wang, M., Ogino, S. (2018). Utility of inverse probability weighting in molecular pathological epidemiology. *European Journal of Epidemiology*, 33(4):381-392.
- (128) VanderWeele, T.J. (2018). On well-defined hypothetical interventions in the potential outcomes framework. *Epidemiology*, 29:e24–e25.
- (129) VanderWeele, T.J. and Ding, P. (2017). Sensitivity analysis in observational research: introducing the E-value. *Annals of Internal Medicine*, 167(4):268-274.
- (130) VanderWeele, T.J. (2017). Outcome-wide epidemiology. *Epidemiology*, 28:399-402.
- (131) VanderWeele, T.J. (2017). On a square-root transformation of the odds ratio for a common outcome. *Epidemiology*, 28:e58-e60.
- (132) VanderWeele, T.J., (2017). The continuing need for the sufficient cause model today. *American Journal of Epidemiology*, 185:1041-1043.
- (133) Barfield, R., Shen, J., Schwartz, J., Baccarelli, A.A., VanderWeele, T.J., Lin, X. (2017). Testing for the indirect effect under the null for genome-wide mediation analyses. *Genetic Epidemiology*, 41:824-833.
- (134) Spiegelman, D. and VanderWeele, T.J. (2017). Evaluating public health interventions: 6. Ratios or differences? Let the data tell us. *American Journal of Public Health*, 107:1087-1091.

- (135) Lin, S.-H., Young, J., Logan, R., Tchetgen Tchetgen, E.J., and VanderWeele, T.J. (2017). Parametric mediational g-formula approach to mediation analysis with time-varying exposures, mediators, and confounders: an application for smoking, weight, and blood pressure. *Epidemiology*, 28:266-274.
- (136) Sun, B., VanderWeele, T.J., and Tchetgen Tchetgen, E.J. (2017). A multinomial regression approach to model outcome heterogeneity. *American Journal of Epidemiology*, 186:1097-1103.
- (137) VanderWeele, T.J. (2016). On causes, causal inference, and potential outcomes. *International Journal of Epidemiology*, 45:1809-1816.
- (138) VanderWeele, T.J. (2016). The role of potential outcomes thinking in assessing mediation and interaction. *International Journal of Epidemiology*, 45:1922-1926.
- (139) VanderWeele, T.J. (2016). Explanation in causal inference: developments in mediation and interaction. *International Journal of Epidemiology*, 45:1904-1908.
- (140) VanderWeele, T.J., Jackson, J.W., and Li, S. (2016). Causal inference and longitudinal data: a case study of religion and mental health. *Social Psychiatry and Psychiatric Epidemiology*, 51:1457-1466.
- (141) VanderWeele, T.J., Zhang, Y., and Lim, P. (2016). Mediation analysis with an ordinal outcome. *Epidemiology*, 27:651-655.
- (142) VanderWeele, T.J. and Shrier, I. (2016). Sufficient cause representation of the four-way decomposition for mediation and interaction. *Epidemiology*, 27:e32–e33.
- (143) VanderWeele, T.J. (2016). Mediation analysis: a practitioner’s guide. *Annual Review of Public Health*, 37:17-32.
- (144) VanderWeele, T.J., and Tchetgen Tchetgen, E.J. (2016). Mediation analysis with matched case-control designs. *American Journal of Epidemiology*, 183:869-870.
- (145) Ding, P., and VanderWeele, T.J. (2016). Sensitivity analysis without assumptions. *Epidemiology*, 27;3:368–377.
- (146) Chen, Y.H., Mukherjee, B., Ferguson, K.K., Meeker, J.D., and VanderWeele, T.J. (2016). Mediation formula for binary outcome and time-varying exposure and mediator accounting for possible exposure-mediator interaction. *American Journal of Epidemiology*, 184:157-159.
- (147) Poole, C., Shrier, I., Ding, P., and VanderWeele, T.J. (2016). Theoretical and empirical faces of heterogeneity. *Epidemiology*, 27:e12–e13.
- (148) Jackson, J.W., Williams, D.R., and VanderWeele, T.J. (2016). Disparities at the intersection of marginalized groups. *Social Psychiatry and Psychiatric Epidemiology*, 51:1349-1359.

- (149) VanderWeele, T.J. and Tchetgen Tchetgen, E.J. (2015). Alternative decompositions for attributing effects to interactions. *Epidemiology*, e32-34.
- (150) Jiang, Z., and VanderWeele, T.J. (2015). When is the difference method conservative for mediation? *American Journal of Epidemiology*, 182:105-108.
- (151) Jiang, Z., and VanderWeele, T.J. (2015). Re: Bounding natural direct and indirect effect. *American Journal of Epidemiology*, 182:115-117.
- (152) Jiang, Z., and VanderWeele, T.J. (2015). Additive interaction in the presence of a mismeasured outcome. *American Journal of Epidemiology*, 181:81-82.
- (153) Jiang, Z. and VanderWeele, T.J. (2015). Causal mediation analysis in the presence of a mismeasured outcome. *Epidemiology*, 26:e8-9.
- (154) Valeri, L. and VanderWeele, T.J. (2015). SAS macro for causal mediation analysis with survival data. *Epidemiology*, 26:e23-24.
- (155) Ikram, M.A. and VanderWeele, T.J. (2015). A proposed clinical and biological interpretation of mediated interaction. *European Journal of Epidemiology*, 30:1115-1118.
- (156) Poole, C., Shrier, I., and VanderWeele, T.J. (2015). Is the risk difference really a more heterogeneous measure? *Epidemiology*, 26:714-718.
- (157) VanderWeele, T.J. (2014). A unification of mediation and interaction: a four-way decomposition. *Epidemiology*, 25:749-761.
- (158) VanderWeele, T.J. and Knol, M.J. (2014). A tutorial on interaction. *Epidemiologic Methods*, 3:33-72.
- (159) VanderWeele, T.J. and Knol, M.J. (2014). Interactions and complexity: goals and limitations. *Epidemiologic Methods*, 3:79-81.
- (160) VanderWeele, T.J. and Tchetgen Tchetgen, E.J. (2014). Attributing effects to interactions. *Epidemiology*, 25:711-722.
- (161) VanderWeele, T.J., and Tchetgen Tchetgen, E.J. (2014). Interacting on interactions. *Epidemiology*, 25:727-728.
- (162) VanderWeele, T.J. and Robinson, W.R. (2014). On the causal interpretation of race in regressions adjusting for confounding and mediating variables. *Epidemiology*, 25:473-484.
- (163) VanderWeele, T.J. and Chiba, Y. (2014). Sensitivity analysis for direct and indirect effects in the presence of exposure-induced mediator-outcome confounders. *Epidemiology, Biostatistics, and Public Health*, 11:e9027; 1-16.

- (164) VanderWeele, T.J., Tchetgen Tchetgen E.J., Cornelis, M., and Kraft, P. (2014). Methodological challenges in Mendelian randomization. *Epidemiology*, 25:427-435.
- (165) VanderWeele, T.J. and Vansteelandt, S. (2014). Some advantages of RERI – towards better estimators of additive interaction. *American Journal of Epidemiology*, 179:670-671.
- (166) VanderWeele, T.J., Vansteelandt, S., and Robins, J.M. (2014). Methods for effect decomposition in the presence of an exposure-induced mediator-outcome confounder. *Epidemiology*, 25:300-306.
- (167) Tchetgen Tchetgen, E.J. and VanderWeele, T.J. (2014). On identification of natural direct effects when a confounder of the mediator is directly affected by exposure. *Epidemiology*, 25:282-291.
- (168) VanderWeele, T.J. and Vansteelandt, S. (2013). Mediation analysis with multiple mediators. *Epidemiologic Methods*, 2:95-115.
- (169) VanderWeele, T.J. (2013). A three-way decomposition of a total effect into direct, indirect, and interactive effects. *Epidemiology*, 24: 24:224-232.
- (170) VanderWeele, T.J. (2013). Policy-relevant proportions for direct effects. *Epidemiology*, 24:175-176.
- (171) VanderWeele, T.J. Ko, Y.-A., and Mukherjee, B. (2013). Environmental confounding in gene-environment interaction studies. *American Journal of Epidemiology*, 178:144-152.
- (172) VanderWeele, T.J. (2013). Reconsidering the denominator of the attributable proportion for interaction. *European Journal of Epidemiology*, 28:779-784.
- (173) VanderWeele, T.J. (2013). Unmeasured confounding and hazard scales: sensitivity analysis for total, direct and indirect effects. *European Journal of Epidemiology*, 28:113-117.
- (174) Sauer, B.C., Brookhart, M.A., Roy, J., and VanderWeele, T.J. (2013). A review of covariate selection for nonexperimental comparative effectiveness research. *Pharmacoepidemiology and Drug Safety*, 22:1139-1145.
- (175) Yuan, C., Lv, J., and VanderWeele, T.J. (2013). A randomized cluster-assignment design for interference: an assessment of health behavior peer effects in Peking University dormitories. *PLoS One*, 8:75009.
- (176) Valeri, L. and VanderWeele, T.J. (2013). Mediation analysis allowing for exposure-mediator interactions and causal interpretation: theoretical assumptions and implementation with SAS and SPSS macros. *Psychological Methods*, 18:137-150.
- (177) Pierce, B.L. and VanderWeele, T.J. (2012). The effect of non-differential measurement error on bias, precision, and power in Mendelian randomization studies. *International Journal of Epidemiology*, 41:1383-1393.

- (178)Knol, M.J. and VanderWeele, T.J. (2012). Recommendations for presenting analyses of effect modification and interaction. *International Journal of Epidemiology*, 41:514-520.
- (179)Ogburn, E.L. and VanderWeele, T.J. (2012). Analytic results on the bias due to nondifferential misclassification of a binary mediator. *American Journal of Epidemiology*, 176:555-561.
- (180)Ogburn, E.L. and VanderWeele, T.J. (2012). On the nondifferential misclassification of a binary confounder. *Epidemiology*, 23:433-439.
- (181)VanderWeele, T.J. (2012). Should principal stratification be used to study mediational processes? *Journal of Research on Educational Effectiveness*, 5:245-249.
- (182)VanderWeele, T.J. (2012). Sample size and power calculations for additive interactions. *Epidemiologic Methods*, 1:159-188.
- (183) VanderWeele, T.J. (2012). Confounding and effect modification: distribution and measure. *Epidemiologic Methods*, 1:55-82.
- (184)VanderWeele, T.J. (2012). Structural equation modeling in epidemiologic analysis. *American Journal of Epidemiology*, 176:608–612.
- (185)VanderWeele, T.J., Ogburn, E.L. and Tchetgen Tchetgen, E.J. (2012). Why and when “flawed” social network analyses still yield valid tests of no contagion. *Statistics, Politics and Policy*, 3, Article 4:1-11.
- (186)VanderWeele, T.J., Tchetgen Tchetgen, E.J., and Halloran, M.E. (2012). Components of the indirect effect in vaccine trials: identification of contagion and infectiousness effects. *Epidemiology*, 23:751-761.
- (187)VanderWeele, T.J. and Hernán, M.A. (2012). Results on differential and dependent measurement error of the exposure and the outcome using signed directed acyclic graphs. *American Journal of Epidemiology*, 175:1303-1310.
- (188)VanderWeele, T.J., Valeri, L., and Ogburn, E.L. (2012). The role of misclassification and measurement error in mediation analyses. *Epidemiology*, 23:561-564.
- (189)VanderWeele, T.J. (2012). Mediation analysis with multiple versions of the mediator. *Epidemiology*, 23:454-463.
- (190)VanderWeele, T.J. and Ogburn, E.L. (2012). Theorems, proofs, examples and rules in the practice of epidemiology. *Epidemiology*, 23:443-445.
- (191)VanderWeele, T.J., Vandembroucke, J.P., Tchetgen Tchetgen, E.J., and Robins, J.M. (2012). A mapping between interactions and interference: implications for vaccine trials. *Epidemiology*, 23:285-292.

- (192) VanderWeele, T.J., Mumford, S.L., and Schisterman, E.F. (2012). Conditioning on intermediates in perinatal epidemiology. *Epidemiology*, 23:1-9.
- (193) VanderWeele, T.J., Mumford, S.L., and Schisterman, E.F. (2012). Choosing effect measures: “If I only had a...?” *Epidemiology*, 23:13-14.
- (194) VanderWeele, T.J. and Staudt, N.C. (2011). Causal diagrams for empirical legal research: methodology for identifying causation, avoiding bias, and interpreting results. *Law, Probability and Risk*, 10:329-354.
- (195) VanderWeele, T.J. and Laird, N.M. (2011). Tests for compositional epistasis under single interaction-parameter models. *Annals of Human Genetics, Special Issue on Epistasis*, 75:146-156.
- (196) VanderWeele, T.J. and Knol, M.J. (2011). The interpretation of subgroup analyses in randomized trials: heterogeneity versus secondary interventions. *Annals of Internal Medicine*, 154:680-683.
- (197) VanderWeele, T.J. and Knol, M.J. (2011). Remarks on antagonism. *American Journal of Epidemiology*, 173:1140-1147.
- (198) VanderWeele, T.J. (2011). Subtleties of explanatory language: what is meant by “mediation”? *European Journal of Epidemiology*, 26:343-346.
- (199) VanderWeele, T.J. and Vansteelandt, S. (2011). A weighting approach to causal effects and additive interaction in case-control studies: marginal structural linear odds models. *American Journal of Epidemiology*, 174:1197-1203.
- (200) VanderWeele, T.J. (2011). Causal interactions in the proportional hazards model. *Epidemiology*, 22:713-717.
- (201) VanderWeele, T.J. (2011). Sample size and power calculations for case-only interaction studies: formulas for common test statistics. *Epidemiology*, 22:873-874.
- (202) VanderWeele, T.J. and Tchetgen Tchetgen, E.J. (2011). Bounding the infectiousness effect in vaccine trials. *Epidemiology* 22:686-693.
- (203) VanderWeele, T.J. and Arah, O.A. (2011). Bias formulas for sensitivity analysis of unmeasured confounding for general outcomes, treatments and confounders. *Epidemiology*, 22:42-52.
- (204) VanderWeele, T.J. (2011). Causal mediation analysis with survival data. *Epidemiology*, 22:582-585.
- (205) VanderWeele, T.J. (2011). Sensitivity analysis for contagion effects in social networks. *Sociological Methods and Research*, 40:240-255.
- (206) Knol, M.J., VanderWeele, T.J., Groenwold, R.H.H., Klungel, O.H., Rovers, M.M., and Grobbee, D.E. (2011). Estimating measures of interaction on an additive scale for preventive exposures. *European Journal of Epidemiology*, 26:433-438.

- (207) Pierce, B.L., Ahsan, H., and VanderWeele, T.J. (2011). Power and instrument strength requirements for Mendelian randomization studies using multiple genetic variants. *International Journal of Epidemiology*, 40:740-752.
- (208) Hafeman, D.M. and VanderWeele, T.J. (2011). Alternative assumptions for the identification of direct and indirect effects. *Epidemiology*, 22:753-764.
- (209) Hernán, M.A. and VanderWeele, T.J. (2011). Compound treatments and transportability of causal inference. *Epidemiology*, 22:368-377.
- (210) Chiba, Y. and VanderWeele, T.J. (2011). A simple method for principal strata effects when the outcome has been truncated due to death. *American Journal of Epidemiology*, 173:745-751.
- (211) VanderWeele, T.J., Vansteelandt, S. and Robins, J.M. (2010). Marginal structural models for sufficient cause interactions. *American Journal of Epidemiology*, 171:506-514.
- (212) VanderWeele, T.J. and Vansteelandt, S. (2010). Odds ratios for mediation analysis with a dichotomous outcome. *American Journal of Epidemiology*, 172:1339-1348.
- (213) VanderWeele, T.J. and Vansteelandt, S. (2010). Invited Response: Decomposing with a lot of supposing and mediation. *American Journal of Epidemiology*, 172:1355-1356.
- (214) VanderWeele, T.J. (2010). Bias formulas for sensitivity analysis for direct and indirect effects. *Epidemiology*, 21:540-551.
- (215) VanderWeele, T.J. (2010). Direct and indirect effects for neighborhood-based clustered and longitudinal data. *Sociological Methods and Research*, 38:515-544.
- (216) VanderWeele, T.J., Hernández-Díaz, S. and Hernán, M.A. (2010). Case-only gene-environment interaction studies: when does association imply mechanistic interaction? *Genetic Epidemiology*, 34:327-334.
- (217) VanderWeele, T.J. (2010). Epistatic interactions. *Statistical Applications in Genetics and Molecular Biology*, 9, Article 1:1-22.
- (218) VanderWeele, T.J. (2010). Empirical tests for compositional epistasis. *Nature Reviews Genetics*, 11:166.
- (219) VanderWeele, T.J. (2010). Genetic self-knowledge and the future of epidemiologic confounding. *American Journal of Human Genetics*, 87(2):168-172.
- (220) VanderWeele, T.J. (2009). Mediation and mechanism. *European Journal of Epidemiology*, 24:217-224.
- (221) VanderWeele, T.J. (2009). Concerning the consistency assumption in causal inference. *Epidemiology*, 20:880-883.

- (222) VanderWeele, T.J. (2009). On the distinction between interaction and effect modification. *Epidemiology*, 20:863-871.
- (223) VanderWeele, T.J. (2009). On the relative nature of over-adjustment and unnecessary adjustment. *Epidemiology*, 20:496-499.
- (224) VanderWeele, T.J. (2009). Marginal structural models for the estimation of direct and indirect effects. *Epidemiology*, 20:18-26.
- (225) VanderWeele, T.J. (2009). Sufficient cause interactions and statistical interactions. *Epidemiology*, 20:6-13.
- (226) Staudt, N.C. and VanderWeele, T.J. (2009). Methodological advances and empirical legal scholarship: a note on Cox and Miles's Voting Rights Act study. *Columbia Law Review Sidebar*, 109:42-54.
- (227) Hudson, J.I., Javaras, K.N., Laird, N.M., VanderWeele, T.J., Pope, H.G. and Hernán, M.A. (2008). A structural approach to the familial coaggregation of disorders. *Epidemiology*, 19:431-439.
- (228) VanderWeele, T.J., Hernán, M.A. and Robins, J.M. (2008). Causal directed acyclic graphs and the direction of unmeasured confounding bias. *Epidemiology*, 19:720-728.
- (229) VanderWeele, T.J. and Robins, J.M. (2007). Directed acyclic graphs, sufficient causes and the properties of conditioning on a common effect. *American Journal of Epidemiology*, 166:1096-1104.
- (230) VanderWeele, T.J. and Robins, J.M. (2007). Four types of effect modification – a classification based on directed acyclic graphs. *Epidemiology*, 18:561-568.
- (231) VanderWeele, T.J. and Robins, J.M. (2007). The identification of synergism in the sufficient-component cause framework. *Epidemiology*, 18:329-339.
- (232) VanderWeele, T.J. and Hernán, M.A. (2006). From counterfactuals to sufficient component causes, and vice versa. *European Journal of Epidemiology*, 21:855-858.
- (233) VanderWeele, T.J. (2006). The use of propensity score methods in psychiatric research. *International Journal of Methods in Psychiatric Research*, 15:95-103.

Substantive Contributions in the Biomedical and Social Sciences and Other Disciplines (196 Papers)

- (234) VanderWeele, T.J. On an analytic definition of love. *Journal of Ethics and Social Philosophy*, in press.
- (235) VanderWeele, T.J. and Brooks, A.C. A public health approach to negative news media: the 3-to-1 solution. *American Journal of Health Promotion*, in press.

- (236) Chen, Y., Cowden, R.G., Fulks, J., Plake, J.K., and VanderWeele, T.J. National data on age gradients in wellbeing among U.S. adults. *JAMA Psychiatry*, in press.
- (237) Lomas, T., Bartels, M., Van De Weijer, M., Pluess, M., Hanson, J., and VanderWeele, T.J. The architecture of happiness. *Emotion Review*, in press.
- (238) Lomas, T. and VanderWeele, T.J. The complex creation of happiness: multidimensional conditionality in the drivers of happy individuals and societies. *Journal of Positive Psychology*, in press.
- (239) Hölzge, J., Cowden, R., Lee, M., Bechara, A., Joynt, S., Kamble, S., Khalanskyi, V., Shtanko, L., Kurniati, N., Tymchenko, S., Voytenko, V., McNeely, E., and VanderWeele, T.J. A systems perspective on human flourishing: Exploring cross-country similarities and differences of a multisystemic flourishing network. *Journal of Positive Psychology*, in press.
- (240) Weziak-Bialowolska, D., Lee, M.T., Bialowolski, P., Chen, Y., VanderWeele, T.J., and McNeely, E. Prospective associations between strengths of moral character and health. Longitudinal evidence from survey and insurance claims data. *Social Psychiatry and Psychiatric Epidemiology*, in press.
- (241) Liu, C., Murchland, A.R., VanderWeele, T.J., and Blacker, D. Eliminating racial disparities in dementia risk by equalizing education quality: a sensitivity analysis. *Social Science and Medicine*, in press.
- (242) Smith, L.H., Dollinger, C.Y., VanderWeele, T.J., Wyszynski, D.F., and Hernández-Díaz, S. Timing and severity of COVID-19 during pregnancy and risk of preterm birth in the International Registry of Coronavirus Exposure in Pregnancy. *BMC Pregnancy and Childbirth*, in press.
- (243) Shiba, K., Cowden, R.G., Gonzalez, N., Ransome, Y., Nakagomi, A., Chen, Y., Lee, M.T., VanderWeele, T.J., and Fancourt, D. Associations of online religious participation during COVID-19 lockdown with subsequent health and well-being among UK adults. *Psychological Medicine*, in press.
- (244) Shiba, K., Cowden, R.G., Counted, V., VanderWeele, T.J., and Fancourt, D. Associations of home confinement during COVID-19 lockdown with subsequent health and well-being among UK adults. *Current Psychology*, in press.
- (245) Cowden, R.G., Rueger, S.Y., Davis, E.B., Counted, V., Kent, B.V., Chen, Y., VanderWeele, T.J., Rim, M., Lemke, A.W., Glowiak, K.J., and Worthington, Jr., E.L. Resource loss, positive religious coping, and suffering during the COVID-19 pandemic: a prospective cohort study of U.S. adults with chronic illness. *Mental Health, Religion & Culture*, in press.
- (246) Voytenko, V.L., Pargament, K.I., Cowden, R.G., Lemke, A.W., Kurniati, N.M.T., Ortega Bechara, A., Joynt, S., Tymchenko, S., Khalanskyi, V.V., Shtanko, L., Kocum, M., Korzhov, H., Mathur, M.B., Ho, M.Y., VanderWeele, T.J., and Worthington, E.L. Religious coping with interpersonal hurts: psychosocial correlates of the brief RCOPE in four non-western countries. *Psychology of Religion and Spirituality*, in press.

- (247) VanderWeele, T.J. (2022). The importance, opportunities, and challenges of empirically assessing character for the promotion of flourishing. *Journal of Education*, 202:170-180.
- (248) VanderWeele, T.J., Balboni, T.A., Koh, H.K. (2022). Religious service attendance and implications for clinical care, community participation and public health. *American Journal of Epidemiology*, 191:31-35.
- (249) Balboni, T.A., VanderWeele, T.J., Doan-Soares, S.D., Long, K.N.G., Ferrell, B., Fitchett, G., Koenig, H.G., Bain, P., Puchalski, C., Steinhauer, K.E., Sulmasy, D.P., and Koh, H.K. (2022). Spirituality in serious illness and health. *JAMA*, 328:184-197.
- (250) Shiba, K., Cowden, R.G., Gonzalez, N., Lee, M.T., Lomas, T., Lai, A.Y., and VanderWeele, T.J. (2022). Global trends of mean and inequality in multidimensional wellbeing: analysis of 1.2 million individuals from 162 Countries, 2009-2019. *Frontiers in Public Health*, 10:824960.
- (251) Chen, Y., Weziak-Bialowolska, D., Lee, M.T., Bialowolski, P., McNeely, E., and VanderWeele, T.J. (2022). Longitudinal associations between domains of flourishing. *Scientific Reports*, 12:2740.
- (252) Lee, M.T., McNeely, E., Weziak-Bialowolska, D., Ryan, K.A., Mooney, K.D., Cowden, R.G., and VanderWeele, T.J. Demographic predictors of complete well-being. *BMC Public Health*, 22:1687.
- (253) Okuzono, S.S., Shiba, K., Kim, E.S., Shirai, K., Kondo, N., Fujiwara, T., Kondo, K., Lomas, T., Trudel-Fitzgerald, C., Kawachi, I., and VanderWeele, T.J. (2022). Ikigai and subsequent health and wellbeing among Japanese older adults: longitudinal outcome-wide analysis. *Lancet Regional Health - Western Pacific*, 21:100391.
- (254) Kim, E.S., Nakamura, J.S., Chen, Y., Ryff, C.D., and VanderWeele, T.J. (2022). Sense of purpose in life and subsequent health and well-being in older adults: an outcome-wide analysis. *American Journal of Health Promotion*, 36:137-147.
- (255) Johnson, B.R. and VanderWeele, T.J. (2022). The Global Flourishing Study: a new era for the study of well-being. *International Bulletin of Mission Research*, 46:272–275.
- (256) Cowden, R.G., Weziak-Białowolska, D., McNeely, E., and VanderWeele, T.J. (2022). Are depression and suffering distinct? an empirical analysis. *Frontiers in Psychology*, 13:970466.
- (257) Weziak-Bialowolska, D., Bialowolski, P., Lee, M.T., Chen, Y., VanderWeele, T.J., and McNeely, E. (2022). Prospective associations between social connectedness and mental health. Evidence from a longitudinal survey and health insurance claims data. *International Journal of Public Health*, 67, Article 1604710: 1-9.
- (258) Nakamura, J.S., Lee, M.T., Chen, F.S., Archer Lee, Y. Fried, L.P., VanderWeele, T.J., and Kim, E.S. (2022). Identifying pathways to increased volunteering in older US adults. *Scientific Reports*, 12:12825.

- (259) Spence, N.D., Warner, E.T., Farvid, M.S., VanderWeele, T.J., Zhang, Y., Hu, F.B., Shields, A.E. The association of religion and spirituality with obesity and weight change in the USA: a large-scale cohort study. *Journal of Religion and Health*, in press.
- (260) Spence, N.D., Warner, E.T., Farvid, M.S., VanderWeele, T.J., Zhang, Y., Hu, F.B., and Shields, A.E. (2022). Religious or spiritual coping, religious service attendance, and type 2 diabetes: A prospective study of women in the United States. *Annals of Epidemiology*, 67:1-12.
- (261) Levin, J., Idler, E., and VanderWeele, T.J. (2022). Faith-based organizations and SARS-COV-2 vaccination: challenges and recommendations. *Public Health Reports*, 137:11-16.
- (262) Mathur, M.B. and VanderWeele, T.J. (2022). Assessing uncontrolled confounding in associations of being overweight with all-cause mortality. *JAMA Open*, 5:e222614.
- (263) Nakamura, J.S., Hong, J.H., Smith, J., Chopik, W.J., Chen, Y., VanderWeele, T.J., and Kim, E.S. (2022). Satisfaction with aging and health and well-being among older U.S. adults. *JAMA Network Open*, 5(2):e2147797.
- (264) Shiba, K., Hikichi, H., Okuzono, S.S., VanderWeele, T.J., Arcaya, M., Daoud, A., Cowden, R.G., Yazawa, A., Zhu, D.T., Aida, J., Kondo, K., and Kawachi, I. (2022). Long-term associations between disaster-related home loss and health and wellbeing of older survivors: nine years after the 2011 Great East Japan Earthquake and Tsunami. *Environmental Health Perspectives*, 130:77001.
- (265) Harris, A., Li, J., Atchison, K., Harrison, C., Hall, D., VanderWeele, T.J., Johnson, J.T., and Nilsen, M.L. (2022). Flourishing in head and neck cancer survivors. *Cancer Medicine*, 11:2561-2575.
- (266) Akinin, L.B., De Neve, J.E., Dunn, E.W., Fancourt, D.E., Goldberg, E., Helliwell, J.F., Jones, S.P., Karam, E., Layard, R., Lyubomirsky, S., Rzepa, A., Saxena, S., Thornton, E.M., VanderWeele, T.J., Whillans, A.V., Zaki, J., Karadag Caman, O., and Ben Amor, Y. (2022). Mental health during the first year of the COVID-19 pandemic: a review and recommendations for moving forward. *Perspectives on Psychological Science*, 17:915–936.
- (267) Ma, Y., Sajeev, G., VanderWeele, T.J., Viswanathan, A., Sigurdsson, S., Eiriksdottir, G., Aspelund, T., Betensky, R.A., Grodstein, F., Hofman, A., Gudnason, V., Launer, L., and Blacker, D. (2022). APOE ε4 and late-life cognition: mediation by structural brain imaging markers. *European Journal of Epidemiology*, 37:591-601.
- (268) Lomas, T., Cowden, R., and VanderWeele, T.J. (2021). Befriending the butterfly: a multidimensional review of strategies to facilitate happiness and wellbeing. *European Journal of Applied Positive Psychology*, 5:22:1-23.
- (269) Santini, Z., Nielsen, L., Hinrichsen, C., Nelausen, M.K., Meilstrup, C., Koyanagi, A., McDaid, D., Lyubomirsky, S., VanderWeele, T.J., and Koushede, V. (2021). Mental health economics: A prospective study on psychological flourishing and associations with healthcare costs and sickness benefit transfers in Denmark. *Mental Health and Prevention*, 200222.

- (270) Shiba, K., Kubzansky, L.D., Williams, D.R., VanderWeele, T.J., and Kim, E.S. (2021). Associations between purpose in life and mortality by socioeconomic status. *American Journal of Preventive Medicine*, 61:e53-61.
- (271) Roncarati, J.S., Tiemeier, H., Tachick, R., VanderWeele, T.J., and O'Connell, J.J. (2021). Housing Boston's chronically homeless unsheltered population: 14-years later. *Medical Care*, 59:S170-S174.
- (272) VanderWeele, T.J. and Kubzansky, L.D. (2021) Facets of optimism. *American Psychologist*, 76:1191-1193.
- (273) VanderWeele, T.J. (2021). Changes in attributable fractions and causal inference for schizophrenia and other psychiatric outcomes. *JAMA Psychiatry*, 78:949-950.
- (274) VanderWeele, T.J., Fulks, J., Plake, J.F., and Lee, M.T. (2021). National well-being measures before and during the COVID-19 pandemic in online samples. *Journal of General Internal Medicine*, 36:248-250.
- (275) VanderWeele, T.J. (2021). Effects of religious service attendance and religious importance on depression: examining the meta-analytic evidence. *International Journal for the Psychology of Religion*, 31:21-26.
- (276) Lomas, T., Case, B.W., Cratty, F.J., and VanderWeele, T.J. (2021). A global history of happiness. *International Journal of Wellbeing*, 11:68-87.
- (277) Chen, Y., Hinton, C., and VanderWeele, T.J. (2021). School types in adolescence and subsequent health and well-being in young adulthood: An outcome-wide analysis. *PLoS One*, PLoS One 16(11): e0258723.
- (278) Kim, E.S., Delaney, S.W., Tay, L., Chen, Y., Diener, E., and VanderWeele, T.J. (2021). Life satisfaction and subsequent physical, behavioral, and psychosocial health in older adults. *Milbank Quarterly*, 99:209-239.
- (279) Koh, H.K., Geller, A.C., and VanderWeele, T.J. (2021). Deaths from COVID-19. *JAMA*, 325:133-134.
- (280) Lee, M.T., Weziak-Bialowolska, D., Mooney, K.D., Lerner, P.J., McNeely, E., and VanderWeele, T.J. (2021). Self-assessed importance of domains of flourishing: demographics and correlations with well-being. *Journal of Positive Psychology*, 16:137-144.
- (281) Weziak-Bialowolska, D., Bialowolski, P., Lee, M.T., Chen, Y., VanderWeele, T.J., and McNeely, E. (2021). Psychometric properties of flourishing scales from a comprehensive well-being assessment. *Frontiers in Psychology*, 12:652209.
- (282) Węziak-Białowolska, D., Białowolski, P., VanderWeele, T.J., and McNeely, E. (2021). Character strengths involving an orientation to promote good can help your health and well-being. Evidence from two longitudinal studies. *American Journal of Health Promotion*, 35:388-398.

- (283) Bialowolski, P., Weziak-Bialowolska, D., Lee, M.T., Chen, Y., VanderWeele, T.J., and McNeely, E. (2021). The role of financial conditions for physical and mental health. Evidence from a longitudinal survey and insurance claims data. *Social Science and Medicine*, 281:114041.
- (284) Nakamura, J.S., Delaney, S.W., Diener, E., VanderWeele, T.J., and Kim, E.S. (2021). Are all domains of life satisfaction equal? Differential associations with health and well-being in older adults. *Quality of Life Research*, 31:1-14.
- (285) Hong, J.H., Lachman, M.E., Charles S.T., Chen, Y., Wilson, C.L., VanderWeele, T.J., Nakamura, J.S., Kim, E.S. (2021). The positive influence of sense of control on physical, behavioral, and psychosocial health in older adults: an outcome-wide approach. *Preventive Medicine*, 149:106612.
- (286) Davis, E.B., McElroy-Heltzel, S.E., Lemke, A.W., Cowden, R., VanderWeele, T.J., Worthington, E.L., Glowiak, K.J., Shannonhouse, L.R., Davis, D.E., Hook, J.N., Van Tongeren, D.R., and Aten, J.D. (2021). Psychological and spiritual outcomes during the COVID-19 pandemic: A prospective longitudinal study of U.S. adults with chronic disease. *Health Psychology*, 40:347-356.
- (287) Cowden, R.G., Rueger, S.Y., Davis, E.B., Counted, V., Kent, B.V., Chen, Y., VanderWeele, T.J., Rim, M., Lemke, A.W., Glowiak, K.J., and Worthington, E.L. (2021). Suffering, mental health, and psychological well-being during the COVID-19 pandemic: a longitudinal study of U.S. adults with chronic health conditions. *Wellbeing, Space and Society*, 2:100048.
- (288) Kent, B.V., Davidson, J.C., Zhang, Y., Pargament, K.I., VanderWeele, T.J., Koenig, H., Underwood, L.G., Krause, N., Kanaya, A.M., Tworoger, S.S., Schachter, A.B., Cole, S., O'Leary, M., Cozier, Y., Daviglius, M., Giachello, A.L., Zacher, T., Palmer, J.R., and Shields, A.E. (2021). Religion and spirituality among American Indian, South Asian, Black, Hispanic/Latina, and White women in the Study on Stress, Spirituality, and Health. *Journal for the Scientific Study of Religion*, 60:198-215.
- (289) Aknin, L. B., De Neve, J. E., Dunn, E. W., Fancourt, D. E., Goldberg, E., Helliwell, J. F., Jones, S. P., Karam, E., Layard, R., Lyubomirsky, S., Rzepa, A., Saxena, S., Thornton, E. M., VanderWeele, T. J., Whillans, A. V., Zaki, J., Karadag Caman, O., and Ben Amor, Y. (2021). The neurological consequences of contracting COVID-19. *Actaneruopsychologica*, 19:31-35.
- (290) Chen, Y., Kim, E.S., and VanderWeele, T.J. (2020). Religious service attendance and subsequent health and well-being throughout adulthood: evidence from three prospective cohorts. *International Journal of Epidemiology*, 49:2030–2040.
- (291) VanderWeele, T.J. (2020). Challenges estimating total lives lost in COVID-19 decisions: consideration of mortality related to unemployment, social isolation, and depression. *JAMA*, 324:445-446.
- (292) VanderWeele, T.J. (2020). Activities for flourishing: an evidence-based guide. *Journal of Positive Psychology and Wellbeing*, 4:79-91.
- (293) VanderWeele, T.J., Chen, Y., Long, K.N., Kim, E.S., Trudel-Fitzgerald, C., and Kubzansky, L.D. (2020). Positive epidemiology? *Epidemiology*, 31:189-193.

- (294) VanderWeele, T.J., Trudel-Fitzgerald, C., Allin, P., Farrelly, C., Fletcher, G., Frederick, D.E., Hall, J., Helliwell, J.F., Kim, E.S., Lauinger, W.A., Lee, M.T., Lyubomirsky, S., Margolis, S., McNeely, E., Messer, N., Tay, L., Viswanath, V., Węziak-Białowska, D., and Kubzansky, L.D. (2020). Current recommendations on the selection of measures for well-being. *Preventive Medicine*, 133:106004.
- (295) VanderWeele, T.J., Trudel-Fitzgerald, C., Allin, P., Farrelly, C., Fletcher, G., Frederick, D.E., Hall, J., Helliwell, J.F., Kim, E.S., Lauinger, W.A., Lee, M.T., Lyubomirsky, S., Margolis, S., McNeely, E., Tay, L., Viswanath, V., Węziak-Białowska, D., Kubzansky, L.D. (2020). Brief well-being assessments, or nothing at all? *Preventive Medicine*, 135:106095.
- (296) VanderWeele, T.J. (2020). Love of neighbor during a pandemic: navigating the competing goods of religious gatherings and physical health. *Journal of Religion and Health*, 59:2196-2202.
- (297) VanderWeele, T.J. and Chen, Y. (2020). Religion as a social determinant of health. *American Journal of Epidemiology*, 189:1464-1466.
- (298) Chen, Y., Kim, E.S., Shields, A.E., and VanderWeele, T.J. (2020). Antecedents of purpose in life: evidence from a lagged exposure-wide analysis. *Cogent Psychology*, 7:1825043.
- (299) Chen, Y., Koh, H.K., Kawachi, I., Botticelli, M., and VanderWeele, T.J. (2020). Religious service attendance and deaths related to drugs, alcohol, and suicide among US health care professionals. *JAMA Psychiatry*, 77:737-744.
- (300) Chen, Y. and VanderWeele, T.J. (2020). Religion, spirituality and health: new considerations for epidemiology. *American Journal of Epidemiology*, 8:759–760.
- (301) Kim, E.S., Whillans, A.V., Lee, M.T., Chen, Y., and VanderWeele, T.J. (2020). Volunteering and subsequent health and well-being in older adults: an outcome-wide longitudinal approach. *American Journal of Preventive Medicine*, 59:176-186.
- (302) Kim, E.S., Chen, Y., Kawachi, I., and VanderWeele, T.J. (2020). Perceived neighborhood social cohesion and subsequent health and well-being in older adults: an outcome-wide longitudinal approach. *Health and Place*, 66:102420.
- (303) Long, K.N.G., Kim, E.S., Chen, Y., Wilson, M.F., Worthington, E.L., and VanderWeele, T.J. (2020). The role of hope in subsequent health and well-being for older adults: an outcome-wide longitudinal approach. *Global Epidemiology*, 2:100018.
- (304) Long, K., Worthington, E.L., VanderWeele, T.J. and Chen, Y. (2020). Forgiveness of others and subsequent health and well-being in mid-life: a longitudinal study on female nurses. *BMC Psychology*, 8:104.
- (305) Long, K., Chen, Y., Potts, M., Hanson, J., and VanderWeele, T.J. (2020). Spiritually motivated self-forgiveness and divine forgiveness, and subsequent health and well-being among middle-aged female nurses: an outcome-wide longitudinal approach. *Frontiers in Psychology*, 11:1337.

- (306) Koenig, H.G., Al-Zaben, F., and VanderWeele, T.J. (2020). Religion and psychiatry: recent developments in research. *British Journal of Psychiatry – Advances*, 26:262-272.
- (307) Koenig, H.G., Peteet, J.R., and VanderWeele, T.J. Religion and psychiatry: clinical applications. *British Journal of Psychiatry - Advances*, 26:273-281.
- (308) Frederick, D. and VanderWeele, T.J. (2020). Longitudinal meta-analysis of job crafting shows positive association with work engagement. *Cogent Psychology*, 7:1746733.
- (309) Pearce, N., Vandenbroucke, J., VanderWeele, T.J., and Greenland, S. (2020). Accurate statistics on COVID-19 are essential for policy guidance and decisions. *American Journal of Public Health*, 110:949-951.
- (310) Wu, C.-S., Luedtke, A.R., Sadikova, E., Tsai, H.J., Liao, S.-C., Gau, S. S.-F., VanderWeele, T.J., and Kessler, R.C. (2020). Development and validation of a machine learning individualized treatment rule for patients with first-episode schizophrenia. *JAMA Open*, 3(2), e1921660.
- (311) Bialowolski, P., McNeely, E., VanderWeele, T.J., and Weziak-Bialowolska, D. (2020). Ill health and distraction at work: costs and drivers for productivity loss. *PLoS One*, PLoS ONE 15(3): e0230562.
- (312) Weziak-Bialowolska, D., Bialowolski, P., Sacco, P.L., VanderWeele, T.J., and McNeely, E. (2020). Well-being in life and well-being at work: which comes first? Evidence from a longitudinal study. *Frontiers in Public Health*, 8:103.
- (313) Spence, N.D., Farvid, M.S., Warner, E.T., VanderWeele, T.J., Tworoger, S.S., Argentieri, M.A., Shields, A.E. (2020). Religious service attendance, religious coping, and risk of hypertension in women participating in the Nurses' Health Study II. *American Journal of Epidemiology*, 189:193-203.
- (314) VanderWeele, T.J. (2019). Measures of community well-being: a template. *International Journal of Community Well-Being*, 2:253-275.
- (315) VanderWeele, T.J., Mathur, M.B., and Chen, Y. (2019). Media portrayals and public health implications for suicide and other behaviors. *JAMA Psychiatry*, 76:891-892.
- (316) VanderWeele, T.J., McNeely, E., and Koh, H.K. (2019). Reimagining health: flourishing. *Journal of the American Medical Association*, 321:1667-1668.
- (317) VanderWeele, T.J. (2019). Suffering and response: directions in empirical research. *Social Science and Medicine*, 224:58-66.
- (318) VanderWeele, T.J., Weziak-Białowolska, D., Białowolski, P., and McNeely, E. (2019). Re: A comprehensive approach to problems of performance measurement. *Journal of the Royal Statistical Society, Series A*, 182:797-798.
- (319) Trudel-Fitzgerald, C., Millstein, R., von Hippel, C., Howe, R., Tomasso, L. P., Wagner, G., and VanderWeele, T.J. (2019). Psychological well-being as part of the public health debate? Insight into dimensions, interventions, and policy. *BMC Public Health*, 15;9(12):e033697.

- (320) Betancourt, T.S., Thomson, D.L., Brennan, R.T., Gilman, S.E., and VanderWeele, T.J. (2019). Stigma and acceptance of Sierra Leone's child soldiers: a prospective longitudinal study of adult mental health and social functioning. *Journal of the American Academy of Child and Adolescent Psychiatry*, S0890-8567(19)30392-2.
- (321) Schummers, L., Hacker, M.R., Williams, P.L., Hutcheon, J.A., VanderWeele, T.J., McElrath, T.F., and Hernandez-Diaz, S. (2019). Variation in relationships between maternal age at first birth and pregnancy outcomes by maternal race: a population-based cohort study in the United States. *BMJ Open*, 9(12):e033697.
- (322) Mathur, M. and VanderWeele, T.J. (2019). Finding common ground in meta-analysis “wars” on violent video games. *Perspectives on Psychological Science*, 14:705-708.
- (323) Chen, Y., Haines, J. Charlton, B., and VanderWeele, T.J. (2019). Positive parenting improves multiple aspects of health and well-being in young adulthood. *Nature Human Behavior*, 3:684-691.
- (324) Węziak-Białowolska, D., McNeely, E., and VanderWeele, T.J. (2019). Human flourishing in cross cultural settings. Evidence from the US, China, Sri Lanka, Cambodia and Mexico. *Frontiers in Psychology*, 10 (Article 1269): 1-13.
- (325) Węziak-Białowolska, D., McNeely, E., and VanderWeele, T.J. (2019). Flourish index and secure flourish index – validation in workplace settings. *Cogent Psychology*, 6:1598926.
- (326) Pawlikowski, J., Białowolski, P., Węziak-Białowolska, D., and VanderWeele, T.J. (2019). Religious service attendance, health behaviors and well-being – an outcome wide longitudinal analysis. *European Journal of Public Health*, 9:1177-1183.
- (327) Idler, E., Levin, J., VanderWeele, T.J., and Khan, A. (2019). Partnerships between public health agencies and faith communities. *American Journal of Public Health*, 109:346-347.
- (328) Long K.N.G., Gregg R.J., VanderWeele, T.J., Oman, D., and Laird, L.D. (2019). Boundary crossing: meaningfully engaging religious traditions and religious institutions in public health. *Religions*, 10(7):412.
- (329) Frederick, D. and VanderWeele, T.J. (2019). Supported employment: meta-analysis and review of randomized controlled trials of individual placement and support. *PLoS One*, 14(2):e0212208.
- (330) Białowolska, P., Węziak-Białowolska, D., and VanderWeele, T.J. (2019). The impact of savings and credit on health and health behaviours: an outcome wide longitudinal approach. *International Journal of Public Health*, 64:573-584.
- (331) Chen, Y., Kim, E.S., Koh, H.K., Frazier, A.L., and VanderWeele, T.J. (2019). Sense of mission and subsequent health and well-being among young adults: an outcome-wide analysis. *American Journal of Epidemiology*, 188:664-673.

- (332) Kim, E.S., and VanderWeele, T.J. (2019). Mediators of the association between religious service attendance and mortality. *American Journal of Epidemiology*, 188:96-101.
- (333) Balboni, T.A., Prigerson, H.G., Balboni, M.J., Enzinger, A.C., VanderWeele, T.J., and Maciejewski, P.K. (2019). A scale to assess religious beliefs in end-of-life medical care. *Cancer*, 125:1527-1535.
- (334) Chen, Y., Kubzansky, L., and VanderWeele, T.J. (2019) Parental warmth and flourishing in mid-life. *Social Science and Medicine*, 220:65-72.
- (335) VanderWeele, T.J. (2018). Is forgiveness a public health issue? *American Journal of Public Health*, 108:189-190.
- (336) VanderWeele, T.J. (2018). Religious communities, health, and well-being - Address to the US Air Force Chaplain Corps Summit. *Military Medicine*, 5-6:105-109.
- (337) Chen, Y. and VanderWeele, T.J. (2018). Associations of religious upbringing with subsequent health and well-being from adolescence to young adulthood: an outcome-wide analysis. *American Journal of Epidemiology*, 187:2355-2364.
- (338) Chen, Y., Harris, S.K., Worthington, E.L., and VanderWeele, T.J. (2018). Religiously or spiritually-motivated forgiveness and subsequent health and well-being among young adults: an outcome-wide analysis. *Journal of Positive Psychology*, 187:2355-2364.
- (339) Li, S., Kubzansky, L.D. and VanderWeele, T.J. (2018). Religious service attendance, divorce, and remarriage among U.S. women. *PLoS One*, 13(12):e0207778.
- (340) Li, S., Hagan, K., Grodstein, F., and VanderWeele, T.J. (2018). Social integration and healthy aging among U.S. women. *Preventive Medicine Reports*, 9:144-148.
- (341) Betancourt, T.S., Thomson, D., and VanderWeele, T.J. (2018). War-related traumas and mental health across generations. *JAMA Psychiatry*, 75:5-6.
- (342) Im, Y. and VanderWeele, T.J. (2018). The role of first-year maternal employment and paternal involvement in behavioral and cognitive development of young children. *Infant Mental Health Journal*, 39:449-465.
- (343) Schummers, L., Hutcheon, J.A., Hernandez-Diaz, S., Williams, P.L., Hacker, M.R., VanderWeele, T.J., Norman, W.V. (2018). Association of short interpregnancy interval with pregnancy outcomes according to maternal age. *JAMA Internal Medicine*, 178:1661-1670.
- (344) Schummers, L., Hutcheon, J.A., Hacker, M., VanderWeele, T.J., Williams, P., McElrath, T., Hernandez-Diaz, S. (2018). Absolute risks of adverse pregnancy and birth outcomes according to maternal age at first delivery: results from a population-based cohort. *Epidemiology*, 29:379-387.

- (345) Oberg, A.S., VanderWeele, T.J., Malmros, C.A., and Hernández-Díaz, S. (2018). Pregnancy complications following fertility treatment – disentangling the role of multiple gestation. *International Journal of Epidemiology*, 47:1333-1342.
- (346) Zhong, Q.Y., Bizu, G., VanderWeele, T.J., Sanchez, S., Williams, M.A. (2018). Causal effects of social support on antepartum depression: a marginal structural modeling approach. *American Journal of Epidemiology*, 187:1871-1879.
- (347) Cozier, Y.C., Yu, J., Wise, L., VanderWeele, T.J., Balboni, T., Rosenberg, L., Palmer, J.R., and Shields, A.E. (2018). Religious and spiritual coping and risk of incident hypertension in the Black Women’s Health Study. *Annals of Behavioral Medicine*, 52:989-998.
- (348) Balboni, M.J., Sullivan, A., Smith, P.T., Mitchell, Zaidi, D., Mitchetell, C., Tulskey, J., Sulmasy, D., VanderWeele, T.J., and Balboni, T.A. (2018). The views of United States clergy regarding ethical controversies in care at the end of life. *Journal of Pain and Symptom Management*, 55:65-74.
- (349) Bos, D., Bano, A., Hofman, A., VanderWeele, T.J., Franco, O.H., Peeters, R.P., Ikram, M.A., Chaker, L. (2018). Thyroid function and atrial fibrillation, is there a mediating role for epicardial adipose tissue? *Clinical Epidemiology*, 10:225-234.
- (350) VanderWeele, T.J. (2017). On the promotion of human flourishing. *Proceedings of the National Academy of Sciences, U.S.A.*, 31:8148-8156.
- (351) VanderWeele, T.J. (2017). Discussion of: “New statistics for old? - measuring the wellbeing of the UK.” *Journal of the Royal Statistical Society, Series A*, 180:38-39.
- (352) VanderWeele, T.J. (2017). Religious communities and human flourishing. *Current Directions in Psychological Science*, 26:476-481.
- (353) VanderWeele, T.J., Balboni, T.A., Koh, H.K. (2017). Health and spirituality. *Journal of the American Medical Association*, 318:519-520.
- (354) VanderWeele, T.J. (2017). Religion and health in Europe: cultures, countries, context. *European Journal of Epidemiology*, 32:857-861.
- (355) VanderWeele, T.J. (2017). Causal effects of religious service attendance? *Social Psychiatry and Psychiatric Epidemiology*, 52:1331-1336.
- (356) VanderWeele, T.J. and Koenig, H.G. (2017). A course on religion and public health at Harvard. *American Journal of Public Health*, 107:47-49.
- (357) VanderWeele, T.J. (2017). Physical activity and physical and mental well-being in church settings. *American Journal of Public Health*, 107:1023-1024.
- (358) VanderWeele, T.J., Yu, J., Cozier, Y.C., Wise, L., Argentieri, M.A., Rosenberg, L., Palmer, J.R., and Shields, A.E. (2017). Attendance at religious services, prayer, religious coping, and

- religious/spiritual identity as predictors of all-cause mortality in the Black Women's Health Study. *American Journal of Epidemiology*, 185:515-522.
- (359) VanderWeele, T.J., Palmer, J.R., and Shields, A.E. (2017). Re: Church attendance and mortality. *American Journal of Epidemiology*, 185:526-528.
- (360) Balboni, M.J., Sullivan, A., Enzinger, A.C., Smith, P.T., Mitchell, C., Peteet, J.R., Tulskey, J., VanderWeele, T.J., and Balboni, T.A. (2017). United States clergy religious values and relationships to end-of-life discussions and care. *Journal of Pain and Symptom Management*, 53:999-1009.
- (361) Campbell et al. (2017). Proceedings of the Third International Molecular Pathological Epidemiology (MPE) Meeting. *Cancer Causes & Control*, 8:167-176.
- (362) Carere, D.A., VanderWeele, T.J., Vassy, J.L., van der Wouden, C.H., Roberts, J.S., Kraft, P., and Green, R.C for the PGen Study Group. (2017). Prescription medication changes following direct-to-consumer personal genomic testing: findings from the Impact of Personal Genomics (PGen) Study. *Genetics in Medicine*, 19:537-545.
- (363) Ferguson, K.K., Chen, Y.H., VanderWeele, T.J., McElrath, T.F., Meeker, J.D., and Mukherjee, B. (2017). Mediation of the relationship between maternal phthalate exposure and preterm birth by oxidative stress with repeated measurements across pregnancy. *Environmental Health Perspectives*, 125:488-494.
- (364) Ananth, C.V., Friedman, A.M, Lavery, J.A., VanderWeele, T.J., Keim, S., and Williams, M.A. (2017). Neurodevelopmental outcomes in relation to placental abruption: A prospective cohort study. *British Journal of Obstetrics and Gynecology*, 124:463-472.
- (365) VanderWeele, T.J. and Shields, A.E. (2016). Religiosity and telomere length: one step forward, one step back. *Social Science and Medicine*, 163:176-178.
- (366) VanderWeele, T.J., Li, S., Tsai, A., and Kawachi, I. (2016). Association between religious service attendance and lower suicide among U.S. women. *JAMA Psychiatry*, 73:845-851.
- (367) Li, S., Stamfer, M., Williams, D.R. and VanderWeele, T.J. (2016). Association of religious service attendance with mortality among women. *JAMA Internal Medicine*, 176:777-785.
- (368) Li, S., Okereke, O.I., Chang, S.-C., Kawachi, I., and VanderWeele, T.J. (2016). Religious service attendance and depression among women – a prospective cohort study. *Annals of Behavioral Medicine*, 50:876-884.
- (369) Valeri, L., Chen, J.T., Garcia-Albeniz, X., Krieger, N., VanderWeele, T.J., and Coull, B.A. (2016). The role of stage at diagnosis in colorectal cancer racial/ethnic survival disparities: a counterfactual causal inference approach. *Cancer Epidemiology, Biomarkers and Prevention*, 25:83-89.
- (370) Sajeev, G., Weuve, J., Jackson, J.W., VanderWeele, T.J., Bennett, D.A., Grodstein, F., and Blacker, D. (2016). Late-life cognitive activity and dementia: a systematic review and bias analysis. *Epidemiology*, 27:732-742.

- (371) Betancourt, T.S., Brennan, R.T., Vinck, P., VanderWeele, T.J., Spencer-Walters, D., Jeong, J., Akinsulure-Smith, A.M., and Pham, P. (2016). Associations between mental health and ebola-related health Behaviors: a regionally representative cross-sectional survey in post-conflict Sierra Leone. *PLoS Medicine*, 13(8):e1002073.
- (372) Rice, K., Bertrand, K., VanderWeele, T.J., Rosner, B., Liao, X., Adami, H.-O., and Tamimi, R. (2016). Mammographic density and breast cancer risk: a mediation analysis. *Breast Cancer Research*, 18:94.
- (373) Maas, P. et al. (2016). Breast cancer risk from modifiable and non-modifiable risk factors among Caucasian women in the United States. *JAMA Oncology*, 2:1295-1302.
- (374) Ogino, S., Nishihara, R., VanderWeele, T.J., Wang, M., Nishi, A., Lochhead, P., Qian, Z.R., Zhang, X., Wu, K., Nan, H., Yoshida, K., Milner, D.A., Chan, A.T., Field, A.E., Camargo, C.A., Williams, M.A., and Giovannucci, E. (2016). The role of molecular pathological epidemiology in the study of neoplastic and non-neoplastic diseases in the era of precision medicine. *Epidemiology*, 27:602-611.
- (375) Betancourt, T., Gilman, S., Brennan, R., Zahn, I., and VanderWeele, T.J. (2015). Identifying priorities for mental health interventions in war-affected youth: a longitudinal study. *Pediatrics*, 136:e344-350.
- (376) Wang, P., Fang, M., Wang, X., and VanderWeele, T.J. (2015). Levels of satisfaction and factors influencing satisfaction for medical premarital examinations in Hubei Middle China. *Asia Pacific Journal of Public Health*, 27:2531-2541.
- (377) Carere, D.A., VanderWeele, T.J., Moreno, T., Mountain, J., Roberts, J., Kraft, P., and Green, R. (2015). The impact of direct-to-consumer personal genomic testing on perceived risk of breast, prostate, colorectal, and lung cancer. *BMC Medical Genomics*, 8:63:1-11.
- (378) Nishihara, R., VanderWeele, T.J., Shibuya, K., Mittleman, M.A., Wang, M., Field, A.E., Giovannucci, E., Lochhead, P., and Ogino, S. (2015). Molecular pathological epidemiology gives clues to paradoxical findings. *European Journal of Epidemiology*, 30:1129-1135.
- (379) Jackson, J.W., VanderWeele, T.J., Blacker, D., and Schneeweiss, S. (2015). Mediators of first versus second-generation antipsychotic-related mortality in older adults. *Epidemiology*, 26:700-709.
- (380) Rodin, D., Balboni M., Mitchell, C., Smith, P.T., VanderWeele, T.J., and Balboni, T.A. (2015). Whose role? Oncology practitioners' perceptions of their role in providing spiritual care to advanced cancer patients. *Supportive Care and Cancer*, 23:2543-2550.
- (381) Zollfrank, A.A., Trevino, K.M., Cadge, W., Balboni, M.J., Thiel, M.M., Fitchett, G., Gallivan, K., VanderWeele, T.J., and Balboni, T.A. (2015). Teaching healthcare providers to provide spiritual care: a pilot study. *Journal of Palliative Medicine*, 18:408-414.

- (382) Epstein-Peterson, Z.D., Sullivan, A.J., Enzinger, A.C., Trevino, K.M., Zollfrank, A.A., Balboni, M.J., VanderWeele, T.J., and Balboni, T.A. (2015). Examining forms of spiritual care provided in the advanced cancer setting. *American Journal of Hospice and Palliative Medicine*, 23:2543-2550.
- (383) Li, Y., Ley, S.H., Tobias, D.K., Chiuve, S.E., VanderWeele, T.J., Rich-Edwards, J.W., Curhan, G.C., Willett, W.C., Manson, J.E., Hu, F.B., and Qi, L. (2015). Birth weight and later life adherence to healthy lifestyles in predicting type 2 diabetes: a prospective study. *British Medical Journal*, 351:h3672.
- (384) Li, Y., Ley, S.H., VanderWeele, T.J., Curhan, G.C., Rich-Edwards, J.W., Willett, W.C., Forman, J.P., Hu, F.B., and Qi, L. (2015). Joint association between birth weight at term and later life adherence to a healthy lifestyle with risk of hypertension: a prospective cohort study. *BMC Medicine*, 13:175.
- (385) Wu, F., Jasmine, F., Kibriya, M.G., Liu, M., Cheng, X., Parvez, F., Islam, T., Ahmed, A., Rakibuz-Zaman, M., Jiang, J., Roy, S., Paul-Brutus, R., Slavkovich, V., Islam, T., Levy, D., VanderWeele, T.J., Pierce, B.L., Graziano, J.H., Ahsan, H.A., and Chen, Y. (2015). Interaction between arsenic exposure from drinking water and genetic susceptibility in cardiovascular disease risk in Bangladesh. *Environmental Health Perspectives*, 123:451-457.
- (386) VanderWeele, T.J. (2014). Resolutions of the birthweight paradox: competing explanations and analytic insights. *International Journal of Epidemiology*, 43:1368-1373.
- (387) VanderWeele, T.J. and Robinson, W.R. (2014). How to reduce racial disparities? Upon what to intervene? *Epidemiology*, 25:491-493.
- (388) Jackson, J.W., VanderWeele, T.J., Viswanathan, A., Blacker, D., and Schneeweiss, S. (2014). The explanatory role of incident stroke as a mediator of the mortality difference between older adults who initiate first vs. second generation antipsychotics. *American Journal of Epidemiology*, 180:847-852.
- (389) Taylor, A.E., Davies, N.M., Ware, J.J., VanderWeele, T.J., Davey Smith, G., and Munafò, M.R. (2014). Mendelian randomization in health research: using appropriate genetic variants and avoiding biased estimates. *Economics and Human Biology*, 13:99-106.
- (390) Luque-Fernandez, M.A., Gelaye, B., VanderWeele, T.J., Ferre, C., Siega-Riz, A., Holzman, C., Enquobahrie, D., Dole, N., and Williams, M. (2014). Seasonal variation of 25-Hydroxyvitamin-D among non-Hispanic Black and White pregnant women from three U.S. pregnancy cohorts. *Paediatric and Perinatal Epidemiology*, 28:166-176.
- (391) Joshi, A.D., et al. on behalf of the Breast and Prostate Cancer Cohort Consortium (BPC3). (2014). Additive interactions between GWAS-identified susceptibility SNPs and breast cancer risk factors in the BPC3. *American Journal of Epidemiology*, 180:1018-1027.
- (392) 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*, 48:400-410.

- (393) Jackson, J.W., Schneeweiss, S., VanderWeele, T.J., and Blacker, D. (2014). Quantifying the causal pathways to mortality among older adults treated with antipsychotic medications: a systematic review. *PLoS One*, 9(8):e105376.
- (394) VanderWeele, T.J., Lauderdale, D.S. and Lantos, J.D. (2013). Medically induced preterm birth and the associations between prenatal care and infant mortality. *Annals of Epidemiology*, 23:435-440.
- (395) Cacioppo, J.T., Cacioppo, S., Gonzaga, G., Ogburn, E.L., and VanderWeele, T.J. (2013). Marital satisfaction and break-ups differ across on-line and off-line meeting venues. *Proceedings of the National Academy of Sciences, U.S.A.*, 110:10135-10140.
- (396) Wang, P., Wang, X., Fang, M., and VanderWeele, T.J. (2013). Factors influencing the decision to participate in medical premarital examinations in Hubei Province, Mid-China. *BMC Public Health*, 13:217.
- (397) Balboni, T.A., Balboni, M.J., Enzinger, A.C., Gallivan, K., Paulk, M.E., Wright, A., Steinhauser, K., VanderWeele, T.J., and Prigerson, H.G. (2013). Provision of spiritual support to advanced cancer patients by religious communities and associations with medical care at the end of life. *JAMA Internal Medicine*, 73:1109-1117.
- (398) 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*, 31:461-467.
- (399) Phelps, A.C., Lauderdale, K.E., Alcorn, S., Dillinger, J., Balboni, M.T., Van Wert, M., VanderWeele, T.J., and Balboni, T.A. (2012). Addressing spirituality within the care of patients at the end of life: perspectives of advanced cancer patients, oncologists, and oncology nurses. *Journal of Clinical Oncology*, 30:2538-2544.
- (400) Vallurupalli, M., Lauderdale, K., Balboni, M.J., Prigerson, H.G., Phelps, A.C., VanderWeele, T.J., and Balboni, T.A. (2012). The role of spirituality and religious coping in the quality of life of patients receiving palliative radiation therapy. *Journal of Supportive Oncology*, 10:81-87.
- (401) Song, Y., Yeung, E., Liu, A., VanderWeele, T.J., Chen, L., Lu, C., Liu, C., Schisterman, E.F., Ning, Y. and Zhang, C. (2012). Pancreatic beta-cell function and type 2 diabetes risk: quantify the causal effect using a Mendelian randomization approach based on meta-analyses. *Human Molecular Genetics*, 21:5010-5018.
- (402) Siddique, J., Lauderdale, D.S., VanderWeele, T.J. and Lantos, J.D. (2012). Screening tests during prenatal care: does practice follow the evidence? *Maternal and Child Health Journal*, 16:51-59.
- (403) Nandi, A. Glymour, M.M., Kawachi, I. and VanderWeele, T.J. (2012). Using marginal structural models to estimate the direct effect of adverse childhood social conditions on onset of heart disease, diabetes and stroke. *Epidemiology*, 23:223-232.

- (404) VanderWeele, T.J., Hawkey, L.C., and Cacioppo, J.T. (2012). On the reciprocal relationship between loneliness and subjective well-being. *American Journal of Epidemiology*, 176:777-784.
- (405) VanderWeele, T.J., Adami, H.O., and Tamimi, R.M. (2012). Mammographic density as a mediator of breast cancer risk: analytic approaches. *Breast Cancer Research*, 14:317.
- (406) VanderWeele, T.J. (2012). Assessing mechanistic interaction between coinfecting pathogens for diarrheal disease. *American Journal of Epidemiology*, 176:396–399.
- (407) VanderWeele, T.J., Asomaning, K., Tchetgen Tchetgen, E.J., Han, Y., Spitz, M.R., Shete, S., Wu, X., Gaborieau, V., Wang, Y., McLaughlin, J., Hung, R.J., Brennan, P., Amos, C.I., Christiani, D.C. and Lin, X. (2012). Genetic variants on 15q25.1, smoking and lung cancer: an assessment of mediation and interaction. *American Journal of Epidemiology*, 175:1013–1020.
- (408) VanderWeele, T.J., Lantos, J.D. and Lauderdale, D.S. (2012). Rising preterm birth rates, 1989-2004: changing demographics or changing obstetric practice? *Social Science and Medicine*, 74:196-201.
- (409) VanderWeele, T.J. and Hernández-Díaz, S. (2011). Is there a direct effect of pre-eclampsia on cerebral palsy not through preterm birth? *Paediatric and Perinatal Epidemiology*, 25:111-115.
- (410) VanderWeele, T.J., Hawkey, L.C., Thisted, R.A. and Cacioppo, J.T. (2011). A marginal structural model for loneliness: implications for intervention trials and clinical practice. *Journal of Consulting and Clinical Psychology*, 79:225-235.
- (411) Balboni, T.A., Balboni, M.J., Phelps, A.C., Wright, A.A., Peteet, J.R., Block, S.D., Lathan, C. VanderWeele, T.J., and Prigerson, H.G. (2011). Support of terminal cancer patient spiritual needs and associations with medical care costs at the end of life. *Cancer*, 117:5383-5391.
- (412) Balboni, M.J., Babar, A., Dillinger, J., Phelps, A.C., George, E., Block, S.D., Kachnic, L., Hunt, J., Peteet, J., Prigerson, H.G., VanderWeele, T.J. and Balboni, T.A. (2011). “It depends”: Viewpoints of patients, physicians and nurses on patient-practitioner prayer in the setting of advanced cancer. *Journal of Pain and Symptom Management*, 41:836-847.
- (413) Winkelman, W.D., Lauderdale, K., Balboni, M.J., Phelps, A.C., Block, S.D., VanderWeele, T.J., and Balboni, T.A. (2011). The relationship of spiritual concerns to the quality of life of advanced cancer patients. *Journal of Palliative Medicine*, 14:1022-1028.
- (414) Wang, P. and VanderWeele, T.J. (2011). Empirical research on the factors related to the subjective well-being of Chinese urban residents. *Social Indicators Research*, 101:447-459.
- (415) Ozer, E.J., Fernald, L.C.H., Weber, A., Flynn, E., and VanderWeele, T.J. (2011). Does alleviating poverty affect mothers’ depressive symptoms?: a quasi-experimental investigation of Mexico’s Oportunidades Programme. *International Journal of Epidemiology*, 40:1565-1576.
- (416) Ananth, C.V. and VanderWeele, T.J. (2011). Placental abruption and perinatal mortality with preterm delivery as a mediator: disentangling direct and indirect effects. *American Journal of Epidemiology*, 174:99-108.

- (417) Mumford, S.L., Schisterman, E.F. and VanderWeele, T.J. (2011). Invited response: Dietary fiber, estradiol, and cholesterol. *American Journal of Epidemiology*, 173:160-161.
- (418) Mumford, S.L., Schisterman, E.F., Siega-Riz, A.M., Gaskins, A.J. and VanderWeele, T.J. (2011). Effect of dietary fiber intake on lipoprotein cholesterol levels independent of estradiol in healthy premenopausal women. *American Journal of Epidemiology*, 173:145-156.
- (419) Lauderdale, D.S., VanderWeele, T.J., Siddique, J. and Lantos, J.D. (2010). Prenatal care utilization in excess of recommended levels: trends from 1985-2004. *Medical Care Research and Reviews*, 67:609-622.
- (420) VanderWeele, K.D. and VanderWeele, T.J. (2010). A case for lending to the smallest and youngest micro-enterprises. *Empirical Economics Letters*, 9:215-222.
- (421) VanderWeele, T.J. (2009). Criteria for the characterization of token causation. *Logic and Philosophy of Science*, 7:115-127.
- (422) VanderWeele, T.J., Lantos, J.D., Siddique, J. and Lauderdale, D.S., (2009). A comparison of four prenatal care indices in birth outcome models: comparable results for predicting small-for-gestational-age outcome but different results for preterm birth or infant mortality. *Journal of Clinical Epidemiology*, 62:438-45.
- (423) Evans, A.T., Sadowski, L.S., VanderWeele, T.J., Curtis, L.M., Sharp, L.K., Kee, R.A., Grammer, L.C., Lyttle, C.S., Weiss, K.B. (2009). Shannon, J.J., for the CHIRAH Study Group, Ethnic disparities in asthma morbidity in Chicago. *Journal of Asthma*, 46:448-454.
- (424) Siddique, J., Lauderdale, D.S., VanderWeele, T.J. and Lantos, J.D. (2009). Trends in prenatal ultrasound use in the United States: 1995-2006. *Medical Care*, 47:1129-1135.
- (425) Sadowski, L.S., Kee, R., VanderWeele, T.J. and Buchanan, D. (2009). Effect of a housing and case management program on emergency department visits and hospitalizations among chronically ill homeless adults: a randomized trial. *Journal of the American Medical Association*, 301:1771-1778.
- (426) Ramchandani, S.R., Panjabi, M.M., Cripton, P.A. and VanderWeele, T.J. (2008). Biomechanical examination of intervertebral discs subsequent to burst fracture. *Journal of Musculoskeletal Research*, 11(3):1-10.
- (427) VanderWeele, T.J. (2008). Some observations concerning the chiasitic structure of the Gospel of Matthew. *Journal of Theological Studies*, 59:669-673.
- (428) VanderWeele, K.D. and VanderWeele, T.J. (2007). Micro-finance impact assessment: Evidence from a development program in Honduras. *Savings and Development*, 2:161-192.
- (429) VanderWeele, T.J. (2007). The volatility effects of non-trading for stock market returns. *Applied Financial Economics*, 17:1037-1041.

Book Chapters, Encyclopedia Entries, and Refereed Conference Proceedings:

- (430) Long, K.N.G. and VanderWeele, T.J. (2022). Theological virtues, health, and well-being: theory, research, and public health. In: Davis, E.B., Worthington, E.L., and Schnitker, S.A. (Eds.) *Handbook of Positive Psychology, Religion, and Spirituality*, Springer Publishing, in press.
- (457) VanderWeele, T.J., Luedtke A.R., van der Laan, M.J., and Kessler, R.C. (2019). Selecting optimal subgroups for treatment using many covariates. Cai, T. (Ed.) *Handbook of Precision Medicine*.
- (431) Lomas, T., Lai, A.Y., Shiba, K., Diego-Rosell, P., Uchida, Y., and VanderWeele, T.J. (2022). Insights from the first global survey of balance and harmony. *World Happiness Report*, Chapter 6, 127-154.
- (432) VanderWeele, T.J., Long, K. and Balboni, M.J. (2021). On tradition-specific measures of spiritual well-being. In: M. Lee, L.D. Kubzansky, and T.J. VanderWeele (Eds.). *Measuring Well-Being: Interdisciplinary Perspectives from the Social Sciences and the Humanities*. Oxford University Press, Chapter 12: 339-376.
- (433) Hanson, J.A. and VanderWeele, T.J., The Comprehensive Measure of Meaning: psychological and philosophical foundations. In: M. Lee, L.D. Kubzansky, and T.J. VanderWeele (Eds.). *Measuring Well-Being: Interdisciplinary Perspectives from the Social Sciences and the Humanities*. Oxford University Press, Chapter 16: 482-498.
- (434) Trudel-Fitzgerald, C., Kubzansky, L.D., VanderWeele, T.J. A review of psychological well-being and mortality risk: are all dimensions of psychological well-being equal? In: M. Lee, L.D. Kubzansky, and T.J. VanderWeele (Eds.). *Measuring Well-Being: Interdisciplinary Perspectives from the Social Sciences and the Humanities*. Oxford University Press, Chapter 5: 136-187.
- (435) VanderWeele, T.J. (2020). Spiritual well-being and human flourishing: conceptual, causal, and policy relations. In: A.B. Cohen (Ed.). *Religion and Human Flourishing*. Baylor University Press, p. 43-54.
- (436) Chen, Y., and VanderWeele, T.J. (2020). Spirituality, religion and suicide. In: D.H. Rosmarin and H.G. Koenig (Eds.): *Handbook of Spirituality, Religion, and Mental Health*, 2nd Edition, Academic Press, p. 27-40.
- (437) VanderWeele, T.J., Balboni, M.J., Balboni, T.A. (2018). The Initiative on Health, Religion and Spirituality at Harvard: from research to education. In Oman, D. (ed.). *Why Religion and Spirituality Matter for Public Health: Evidence, Implications, and Resources*. Springer-Verlag, p. 371-382.
- (438) Kessler, R.C., Bernecker, S.L., Bossarte, R.M., Luedtke, A.R., McCarthy, J.F., Nock, M.K., Pigeon, W.R., Petukhova, M.V., Sadikova, E., VanderWeele, T.J., Zuromski, K.L., and Zaslavsky, A.M. (2018). The role of big data analytics in predicting suicide. In: I.C. Passos, B. Mwangi, and F. Kapczinski (Eds.) *Personalized and Predictive Psychiatry – Big Data Analytics in Mental Health*. New York: Springer Nature, p. 77-98.

- (439) VanderWeele, T.J. (2017). Religious communities. In: Kivimaki, M., Batty, D.G., Kawachi, I., and Steptoe, A. (eds.). *Routledge International Handbook of Psychosocial Epidemiology*. Routledge.
- (440) VanderWeele, T.J. (2017). Religion and health: a synthesis. In: Peteet, J.R. and Balboni, M.J. (eds.). *Spirituality and Religion within the Culture of Medicine: From Evidence to Practice*. New York, NY: Oxford University Press, p. 357-401.
- (441) Nandi, A. and VanderWeele, T.J. (2017). Mediation analysis in social epidemiology. In: Oakes, J.M. and Kaufman, J.S. (eds.). *Methods in Social Epidemiology*. Jossey-Bass, p. 398-431.
- (442) Greenland, S. and VanderWeele, T.J. (2015). Validity and bias in epidemiological research. In: *Oxford Textbook of Public Health*, 6th Edition. Oxford University Press.
- (443) Hoggatt, K.J., Greenland, S. and VanderWeele, T.J. (2015). Causation and causal inference. In: *Oxford Textbook of Public Health*, 6th Edition. Oxford University Press.
- (444) Suzuki, E. and VanderWeele, T.J. (2015). Compositional epistasis: an epidemiologic perspective. In: Moore, J. (Ed.) *Epistasis*. Springer.
- (445) VanderWeele, T.J. (2014) Entries on “Backdoor path”; “Backdoor formula / g-formula”; “Bias formula”, “Bias parameter”; “Doubly robust estimator”; “g-computation”; “Multiple bias modeling”; and “Multiply robust estimator.” In: Porta, M. (Ed.): *A Dictionary of Epidemiology*, 5th edition. Oxford University Press.
- (446) VanderWeele, T.J. and An, W. (2013). Social networks and causal inference. *Handbook of Causal Analysis for Social Research*, S.L. Morgan (ed.). Springer, Chapter 17, p 353-374.
- (447) Sauer, B.C., Brookhart, M.A., Roy, J., and VanderWeele, T.J. (2013). Covariate selection. *Developing a Protocol for Observational Comparative Effectiveness Research: A User’s Guide*. Agency for Healthcare Research and Quality: Rockville, MD. Chapter 7, p. 93-108.
- (448) Arbogast, P.G. and VanderWeele, T.J. (2013). Considerations for statistical analysis. *Developing a Protocol for Observational Comparative Effectiveness Research: A User’s Guide*. Agency for Healthcare Research and Quality: Rockville, MD. Chapter 10, p. 135-144.
- (449) Sauer, B.C. and VanderWeele, T.J. (2013). Use of directed acyclic graphs. *Developing a Protocol for Observational Comparative Effectiveness Research: A User’s Guide*. Agency for Healthcare Research and Quality: Rockville, MD. Supplement 2, p. 177-184.
- (450) VanderWeele, T.J. and Hernán, M.A. (2012). Causal effects and natural laws: towards a conceptualization of causal counterfactuals for non-manipulable exposures with application to the effects of race and sex. In: C. Berzuini, P. Dawid, and L. Bernardinelli (Eds.): *Causality: Statistical Perspectives and Applications*. Wiley. Chapter 9, p. 101-113.
- (451) VanderWeele, T.J. (2012) The sufficient cause framework in statistics, philosophy and the biomedical and social sciences. In: C. Berzuini, P. Dawid, and L. Bernardinelli (Eds.): *Causality: Statistical Perspectives and Applications*. Wiley. Chapter 13, p. 180-191.

(452) Shpitser, I., VanderWeele, T.J. and Robins, J.M. (2010). On the validity of covariate adjustment for estimating causal effects. *Proceedings of the 26th Conference on Uncertainty and Artificial Intelligence*, 527-536, AUAI Press in Corvallis, WA.

(453) VanderWeele, T.J. (2009). Conditional independence. In Kattan M.W., ed. *Encyclopedia of Medical Decision Making*. Thousand Oaks, CA: Sage Publications.

Letters and Book Reviews:

(454) Sjölander, A. and VanderWeele, T.J. (2021). Correction of “Bias factor, maximum bias and the E-value. *International Journal of Epidemiology*, 50:1394-1395.

(455) VanderWeele, T.J., Chen, Y., Long, K.N., Kim, E.S., Trudel-Fitzgerald, C., and Kubzansky, L.D. (2020). Re: Positive epidemiology? *Epidemiology*, 31:e37-e38.

(456) Mathur, M.B. and VanderWeele, T.J. (2020). Evidence relating health care provider burnout and quality of care. *Annals of Internal Medicine*, 172:437-438.

(457) VanderWeele, T.J., van der Laan, M.J., and Kessler, R.C. (2020). Re: Selecting optimal subgroups for treatment using many covariates. *Epidemiology*, 31:e34.

(458) VanderWeele, T.J., McNeely, E., and Koh, H.K. (2019). Re: Flourishing as a definition of health. *JAMA*, 322:981-982.

(459) VanderWeele, T.J., and Koenig, H.G. (2017). Re: Courses in religion and public health. *American Journal of Public Health*, 107(6):e1–e2.

(460) VanderWeele, T.J., and Koenig, H.G. (2017). Re: Religion and public health curriculum. *American Journal of Public Health*, 107(6):e3–e4.

(461) VanderWeele, T.J., Li, S. and Kawachi, I. (2017). Re: Religious service attendance and suicide rates. *JAMA Psychiatry*, 74:197-198.

(462) VanderWeele, T.J., Balboni, T.A., and Koh, H.K. (2017). Spiritual care in medicine. *JAMA*, 318:2496.

(463) VanderWeele, T.J. Hernán, M.A., Tchetgen Tchetgen, E.J., and Robins, J.M. (2016). Re: Causality and causal inference in epidemiology: the need for a pluralistic approach. *International Journal of Epidemiology*, 45:2199-2200.

(464) VanderWeele T.J. and Robinson, W.R. (2014). Re: On the causal interpretation of race. *Epidemiology*, 25:937-8.

- (465) Suzuki, E., Evans, D., Chaix, B., and VanderWeele T.J. (2014). On the “proportion eliminated” for risk differences versus excess relative risks. *Epidemiology*, 25:309-310.
- (466) VanderWeele, T.J. (2013) Re: Religious service attendance and major depression: a case of reverse causality? *American Journal of Epidemiology*, 177:275-276.
- (467) Knol, M.J. and VanderWeele, T.J. (2011). Recoding preventive exposures to get valid measures of interaction on an additive scale. *European Journal of Epidemiology*, 26:825-826.
- (468) VanderWeele, T.J. (2011). A word and that to which it once referred: assessing “biologic” interaction. *Epidemiology*, 22:612-613.
- (469) VanderWeele, T.J. (2011). Review of “Causality,” 2nd Edition, by Judea Pearl. *Journal of the Royal Statistical Society, Series A*, 174:243–244.
- (470) VanderWeele, T.J. (2010). Re: The ongoing tyranny of statistical significance testing in biomedical research. *European Journal of Epidemiology*, 25:843.
- (471) VanderWeele, T.J. (2010). Response to “On the definition of effect modification,” by E. Shahar and D.J. Shahar. *Epidemiology*, 21:587-588.
- (472) VanderWeele, T.J. (2009). Review of “Counterfactuals and Causal Inference” by S.L. Morgan and C. Winship. *Journal of the American Statistical Association*, 104:1715-1716.
- (473) VanderWeele, T.J. (2009). Review of “Introduction to Statistical Mediation Analysis” by David P. MacKinnon. *Biometrics*, 65:998-1000.
- (474) VanderWeele, T.J. (2009). Re: Epidemiology, data sharing, and the challenge of scientific replication. *Epidemiology*, 20:782-783.