

CURRICULUM VITAE

PART I: General Information

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Education:

1979-84 B.S., Biology, *summa cum laude*
Yale University, New Haven, CT

1984-89 M.D., *cum laude*
Harvard Medical School, Boston, MA

1987-88 M.P.H.
Harvard School of Public Health, Boston, MA

1991-95 Ph.D., Sociology
University of Pennsylvania, Philadelphia, PA

Postgraduate Training:

1989-91 Resident in Medicine
University of Pennsylvania Medical Center, Philadelphia, PA

1991-93 Robert Wood Johnson Foundation Clinical Scholar
University of Pennsylvania, Philadelphia, PA

1993-95 National Research Service Award Fellow
Department of Sociology and Division of General Internal Medicine
University of Pennsylvania, Philadelphia, PA

Licensure and Certification:

1990	Diplomate, National Board of Medical Examiners
1993	Diplomate, American Board of Internal Medicine
2002	Massachusetts License (#212672)
2014	Connecticut License (#53536)

Academic Appointments:

1987-88	Teaching Fellow, Department of the History of Science Harvard University, Cambridge, MA
1990-91	Assistant Instructor, Department of Medicine University of Pennsylvania, Philadelphia, PA
1991-94	Fellow, Department of Medicine University of Pennsylvania, Philadelphia, PA
1994-95	Instructor, Department of Medicine University of Pennsylvania, Philadelphia, PA
1995-98	Assistant Professor of Sociology Department of Sociology University of Chicago, Chicago, IL
1995-98	Assistant Professor of Medicine Department of Medicine University of Chicago, Chicago, IL
1999-01	Associate Professor of Sociology Department of Sociology University of Chicago, Chicago, IL
1999-01	Associate Professor of Medicine Department of Medicine University of Chicago, Chicago, IL
2001	Professor of Sociology Department of Sociology University of Chicago, Chicago, IL
2001	Professor of Medicine Department of Medicine University of Chicago, Chicago, IL
2001-13	Professor of Medical Sociology Department of Health Care Policy Harvard Medical School, Boston, MA

2005-13	Professor of Sociology Department of Sociology Harvard University, Cambridge, MA
2009-13	Professor of Medicine Department of Medicine Harvard Medical School, Boston, MA
2013-18	Sol Goldman Family Professor of Social and Natural Science Departments of Sociology; Statistics and Data Science; Ecology & Evolutionary Biology; Biomedical Engineering; and Medicine Yale University, New Haven, CT
2018-	Sterling Professor of Social and Natural Science Departments of Sociology; Statistics and Data Science; Ecology & Evolutionary Biology; Biomedical Engineering; and Medicine Yale University, New Haven, CT

Clinical Appointments:

1995-01	Attending Physician University of Chicago Medical Center, Chicago, IL
1999-01	Home Hospice Physician Horizon Hospice, Chicago, IL
2002-06	Attending Physician, Palliative Medicine Service Massachusetts General Hospital, Boston, MA
2006-13	Attending Physician, Department of Medicine Mt. Auburn Hospital, Harvard Medical School, Boston, MA
2013-	Physician, Section of General Medicine, Department of Medicine Yale New Haven Hospital, New Haven, CT

Selected Other Professional Positions and Visiting Appointments:

1981-83	Research Assistant, Laboratory of Dr. Tom Reese Marine Biological Laboratory, Woods Hole, MA, and NINCDS, National Institutes of Health, Bethesda, MD
1981-82	Research Assistant, Laboratory of Dr. George Peries Institut de Recherches sur les Maladies du Sang, Département d'Oncologie Expérimentale, Hôpital Saint-Louis, Paris, France
1995-99	Core Faculty Robert Wood Johnson Clinical Scholars Program

University of Chicago, Chicago, IL

- 1999 Visiting Professor
Sydney Institute of Palliative Medicine,
Royal Prince Alfred Hospital, Sydney, Australia
- 2000 Visiting Professor
Sydney Institute of Palliative Medicine,
Royal Prince Alfred Hospital, Sydney, Australia
- 2000 Visiting Fellow
Edith Cowan University, Perth, Australia
- 2001-02 Visiting Professor
Center on Ethics and the Professions, Harvard University, Cambridge, MA
- 2018-19 Senior Director (on sabbatical leave)
Apple University, Apple, Cupertino, CA

Major Administrative Responsibilities:

- 1999-01 Co-Director
Robert Wood Johnson Foundation Clinical Scholars Program
University of Chicago, Chicago, IL
- 2002-08 Director, 2002-05; Executive Committee Member, 2005-08
Robert Wood Johnson Foundation Health Policy Scholars Program
Harvard University, Cambridge, MA
- 2009-13 Master, Pforzheimer House, Harvard College
Harvard University, Cambridge, MA
- 2013- Co-Director, Yale Institute for Network Science
Yale University, New Haven, CT
- 2015-16 Master, Silliman College, Yale College
Yale University, New Haven, CT

Major Committee Assignments (since 2001):

Intramural:

- 2001-02 Faculty Search Committee, Department of Health Care Policy, Harvard Medical School
- 2002-03 Faculty Search Committee, Department of Social Medicine, Harvard Medical School
- 2002-05 Steering Committee for Dana-Farber/Harvard Cancer Center Palliative Care/Psychosocial Oncology, Harvard Medical School
- 2003-04 Faculty Search Committee, Hebrew Rehabilitation Center, Harvard Medical School
- 2003-13 Standing Committee on Health Policy, Harvard University

2003-13	Steering Committee for the Institute for Quantitative Social Science, Harvard University
2003-13	Faculty Committee, MD/PhD Program in Social Sciences, Harvard Medical School
2003-04	Faculty Search Committee, Primary Care Division, Harvard Medical School
2003-05	Faculty Committee, Office of Research Compliance, Harvard Medical School
2003-06	Committee on Promotions, Reappointments, and Appointments, Harvard Medical School
2004-05	Faculty Search Committee, Department of Society, Human Development, and Health, Harvard School of Public Health
2004-05	Faculty Search Committee, Division of Psychosocial Oncology and Palliative Care, Dana-Farber Cancer Institute, Harvard Medical School
2004-05	Faculty Search Committee, Department of Ambulatory Care and Prevention, Harvard Medical School
2004-06	Admissions Committee, Department of Sociology, Harvard University
2006-07	Junior Faculty Search Committee, Department of Sociology, Harvard University
2006-13	Standing Committee on Global Health, Harvard University
2006-09	Subcommittee of Professors, Harvard Medical School
2008-09	Admissions Committee, Department of Sociology, Harvard University
2008-10	Social Science Planning Committee, Harvard University
2009-12	Faculty Council, Harvard Medical School
2010-11	Admissions Committee, Department of Sociology, Harvard University
2010-13	Advisory Committee on Honorary Degrees, Harvard University
2011-13	Committee on Higher Degrees, Department of Sociology, Harvard University
2012-18	Executive Committee, Institution for Social and Policy Studies, Yale University
2013-20	Advisory Committee on Honorary Degrees, Yale University
2013-14	Decanal Search Committee, Yale University
2014-17	Yale College Committee on Admissions and Financial Aid
2014-15	Tenure Appointments Committee for the Biological Sciences, Yale University
2020-	Yale University Press Publications Committee, Yale University

Extramural:

1999-05	Member, “Social Sciences and Population Studies” (SSPS) Study Section (formerly known as “SNEM-3”), National Institutes of Health
2001-05	Member, National Assessors Panel for Cancer Research Grants for Australia (Study Section)
2005-08	Member, National Advisory Committee, Robert Wood Johnson Foundation Investigator Awards in Health Policy Research
2005-06	Member, International Advisory Panel, Korean Longitudinal Study of Aging (KLoSA)
2005-13	Member, Data Monitoring Committee, Health and Retirement Survey (HRS)
2008	Member, National Institute on Aging, Behavioral and Social Research Quadrennial Review Committee
2013	Center for Scientific Review, National Institutes of Health, Study Section Review Committee
2019-	Scientific Advisory Board, Max Planck Institute for Human Development, Berlin, Germany
2025-	Scientific Advisory Board, Complexity Science Hub, Vienna, Austria

Editorial Responsibilities:

Editorial Positions:

1988-95	Member, Editorial Board, <i>Law, Medicine & Ethics</i>
1993-00	Member, Editorial Board, <i>IRB: A Review of Human Subjects Research</i>
1998-06	Member, Editorial Board, <i>Journal of Palliative Medicine</i>
1999-06	Member, Editorial Board, <i>British Medical Journal (BMJ)</i>
2000-01	Associate Editor, <i>American Journal of Sociology (AJS)</i>
2002-11	Associate Editor, <i>Palliative Medicine [UK]</i>

Ad Hoc Reviews:

American Journal of Clinical Nutrition
American Journal of Public Health
American Journal of Sociology
American Sociological Review
Annals of Internal Medicine
Archives of Pediatrics and Adolescent Medicine
British Medical Journal
Circulation
Culture, Medicine, and Psychiatry
Demography
Economics and Human Biology
Hastings Center Report
Health Affairs
Health Services and Outcomes Research Methodology
Information
International Journal of Environmental Studies
International Journal of Epidemiology
IRB: A Review of Human Subjects Research
JAMA (Journal of the American Medical Association)
Journal of General Internal Medicine
Journal of Health Economics
Journal of Pain and Symptom Management
Journal of Palliative Medicine
Law, Medicine & Ethics
Medical Care
Nature
Nature Physics
New England Journal of Medicine
Obesity
Palliative Medicine
Pediatrics
Population Research and Policy Review
PNAS: Proceedings of the National Academy of Sciences
Science
Sciences Sociales et Santé
Social Science and Medicine
Sociological Methods and Research
Sociological Methodology

Awards and Honors:

1984	Chittenden Prize, Yale University: awarded to the graduating senior majoring in the sciences who ranks highest in the class
1988	Bowdoin Prize, Harvard University: awarded to a graduate student for the best essay in the natural sciences
1992	Lee B. Lusted Prize, Society for Medical Decision Making: awarded to the best post-doctoral paper at the 14th Annual Meeting
1996	Digby Baltzell Prize, University of Pennsylvania: awarded for the best dissertation in Sociology
2006	Distinguished Researcher Award, National Hospice and Palliative Care Organization
2006	Fellow, National Academy of Medicine, National Academy of Sciences
2009	“Books for a Better Life” Award for <i>Connected</i>
2010	Runner Up, San Francisco Book Festival Non-Fiction Prize, for <i>Connected</i>
2010	Fellow, American Association for the Advancement of Science
2011	Best Paper of the Year, International Society for Environmental Epidemiology, for “Social Network Sensors for Early Detection of Contagious Outbreaks”
2017	Fellow, American Academy of Arts and Sciences
2020	Longlisted for PEN/America E.O. Wilson Science Writing Prize, for <i>Apollo’s Arrow</i>
2021	Honorary Doctorate, Economics, University of Athens, Greece
2023	Silverplate Award for Championing Free Expression, Foundation for Individual Rights and Expression
2023	Fellow, Network Science Society
2024	Fellow, National Academy of Sciences
2024	Fellow, American Academy of Sciences and Letters
2024	Barry Prize for Distinguished Intellectual Achievement, American Academy of Sciences and Letters

Languages:

Fluent Greek
Fair French (lost fluency)
Fair Spanish (lost fluency)

PART II: Research, Teaching, and Clinical Contributions**Funding**Past Funding (Since 1995, Selected):

1995-98	“Physician Prognostication and Decisions to Refer Terminally Ill Patients to Hospice,” Project on Death in America Soros Faculty Scholar, Open Society Institute (PI; \$229,500)
1996-98	Faculty Development Trainee, Geriatric Academic Program Award, National Institute on Aging, National Institutes of Health (K-12 AG00488), (Investigator; \$164,000)
1996-99	“Access to Hospice Care for Alzheimer Patients at the End of Life,” Alzheimer’s Association, (PI; \$221,806)
1998-02	“The Clinical Scholars Program at the University of Chicago,” Robert Wood Johnson Foundation, (Co-Director; \$2,350,249)

1998-02	“A Population-Based Study of the Use and the Consequences of Hospice Terminal Care in Elderly Medicare Beneficiaries,” National Institute on Aging, National Institutes of Health (R-01 AG15326), (PI; \$877,299)
2001-04	“Health in Marriage: Policy Implications of Spousal Illness and Death,” Investigator Award in Health Policy Research, Robert Wood Johnson Foundation, (PI; \$242,990)
2001-07	“A Population-Based Study of the Inter-Relationship of Morbidity and Mortality Between Elderly Spouses,” National Institute on Aging, National Institutes of Health (R-01 AG17548), (PI; \$3,077,073)
2002-07	“The Health Policy Scholars Program at Harvard University,” Robert Wood Johnson Foundation, (PI; \$4,764,358)
2004-08	“A Social Network-Based Study of Inter-Individual Health Effects in the Framingham Heart Study,” National Institute on Aging, National Institutes of Health (R-01 AG24448), (PI; \$2,060,986)
2006-08	“Psychological and Financial Burden of Cancer Caregiving in Elderly Spouses” National Institute on Aging, National Institutes of Health (R-03 AG028628), (PI; \$120,000)
2007-11	“Dynamic Relationship of BMI and SES Over the Life Cycle and Between Generations” National Heart, Lung, Blood Institute, National Institutes of Health (R-01 HL086830), (Investigator)
2007-10	“Development of Network Data and Methods for the Study of Health and Health Care,” Robert Wood Johnson Foundation, Pioneer Award (PI; \$653,556)
2008-14	“Networks and Neighborhoods,” National Institute on Aging, National Institutes of Health (P-01 AG031093), (PI; \$11,026,363)
2009-14	“Roybal Center for Translational Research on Aging,” National Institute on Aging, National Institutes of Health (P-30 AG034420), (PI; \$1,859,558)
2010-12	“Exploring the Social Contagion of Generosity,” John Templeton Foundation, (PI; \$396,447)
2012-14	“Social Networks and Maternal Health in Honduras (Planning Grant),” Bill and Melinda Gates Foundation, (PI: \$467,665)
2014-16	“An Open-Source Toolbox to Map Real-World Social Networks,” Robert Wood Johnson Foundation, (PI: \$267,609)
2011-16	“Using Social Networks to Understand and Improve Health,” Robert Wood Johnson Foundation, Pioneer Award (PI; \$2,827,420)
2016-17	“International Technology Alliance (ITA),” DARPA, (Investigator; \$1,370,070)
2016-18	“Wholesale Innovation Through Innovative Social Science (WITNESS),” DARPA, (sub-contract PI; \$642,253)
2014-19	“Roybal Center for Social Networks and Well-Being,” National Institute on Aging, National Institutes of Health (P-30 AG034420), (PI; \$1,631,579)
2014-20	“Social Influence in Networks to Magnify Population-Level MNCH Behavior Change,” Bill and Melinda Gates Foundation, (PI: \$6,623,468)
2016-24	“YINS-TATA Research and Knowledge Sharing Collaboration,” Tata Group, (PI; \$10,500,000)
2018-21	“Hybrid Human-AI Systems to Change Collective Behavior,” Robert Wood Johnson Foundation, Pioneer Award (PI; \$672,000)
2019-23	“Using Social Artificial Intelligence to Modify Collective Behavior in Realistic Networks,” NOMIS Foundation, (PI: \$2,083,800)
2020-21	“Assessing the Hazard of Elections During the COVID-19 Pandemic to Voters and to the Process of Voting,” Robert Wood Johnson Foundation, (PI: \$392,000)

2020-23	“Developing and Validating a Measure of Intellectual Humility in Traditional Villages of Rural Honduras Facing Public Health Innovations,” Templeton Foundation, (PI: \$1,360,841)
2020-25	“Effects of Public Health Interventions on Aged Adults in Village Social Networks,” National Institute on Aging, National Institutes of Health (R-01 AG062668), (PI; \$3,250,135)
2022-23	“Explorations of Social Interactions,” Pershing Square Foundation (PI; \$250,000)
2022-24	“The Mathematics of Group Decision-Making, Sunwater Institute (PI; \$375,000)
2022-24	“Social Microbiome,” Rothberg Catalyzer (PI; \$470,000)
2023-25	“The Human Microbiome, Social Network Interactions, and Mental Health,” Schmidt Futures (PI; \$1,100,000)

Current Funding:

2019-26	“Microbiome Biology and Social Networks in the Developing World,” NOMIS Foundation, (PI: \$7,400,000)
2023-27	“Characterizing Individuals’ Cognitive Maps of Their Village Social Networks,” National Institute on Aging, National Institutes of Health (R-01 AG081814), (PI; \$3,231,584)
2025-27	“Social Chemosignaling and Social Capital in Honduras Villages,” Stavros Niarchos Foundation (PI; \$250,000)
2025-28	“Deep Study of Human Social Interactions,” Pershing Square Foundation (PI; \$1,500,000)
2025-28	“Human Social Chemosignaling,” Rothberg Catalyzer (PI; \$960,000)
2026-31	“Chemosignaling and Related Biology of Human Social Interactions in Isolated Villages,” NOMIS Foundation, (PI: \$4,800,000)

Teaching

Full Courses Offered (Past Ten Years):

“*Health of the Public: Medicine and Disease in Social Context*,” Sociology 126, Yale University: This undergraduate course examines the social causes and context of illness, death, and health care in the U.S. today. Who stays healthy and who falls ill? Who has a long life and who has a short one? What is a good death and why do so few Americans achieve it? What is good medical care and who gets it? What role do physicians play in producing health in our society? Do certain kinds of social networks or neighborhoods improve health? Overall, the course evaluates the collective constraints on individuals’ life prospects. Offered in: 2012-13, 2013-14, 2014-15, 2019-20, 2020-21, 2022-23, 2023-24, 2025-26

“*Biosocial Science*,” Sociology 636b/Evolutionary Biology 636, Yale University: This graduate seminar covers topics at the intersection of the natural and social sciences, including behavior genetics, gene-environment interactions, and social epigenetics. We will in particular focus on the ways in which our genes are in a (short and long) conversation with our social environment. To what extent does our genetic makeup influence our behaviors? To what extent do our genes increase or decrease our risk for illness given particular environmental exposures? What are the biological bases of resilience? And, conversely, how does the social environment come to regulate our genome? How do social exposures reshape neural and endocrine processes? How do social exposures “get under our skin”? How are they literally embodied? Offered in: 2013-14, 2014-15, 2017-18, 2019-20, 2022-23

“*Global Catastrophes*,” Sociology 181/Economics188, Yale University: This jointly taught undergraduate course (with Professor Bill Nordhaus) reviews two kinds of pressing global catastrophes – pandemics and climate change. Operating over different time scales, they both involve biological, physical, social, and technical aspects that make them particularly severe and challenging threats. Offered in 2020-21.

“*Networks and Health*,” Management 874, Yale University: This graduate course explores new research and applications in network science, with an emphasis on health-related examples. The material covered equip students to analyze problems in public health, global health, and medicine, and to be leaders of companies, entrepreneurial efforts, and policy-making related to health and health care. Offered in: 2016-17

“*Network Interventions*,” Management 573, Yale University: This graduate course explores influential and cutting-edge research related to network science, and equips students with tools to analyze problems related to phenomena as diverse as: product marketing, sustainability initiatives, financial market contagions, team assembly and performance, firm mergers, demand forecasting, and the spread of violence or infection or rumors, etc.. Offered in: 2016-17, 2017-18

“*Big Ideas*,” College Seminar CSYC 295, Yale University: This undergraduate course introduces students to the world’s most important ideas and disciplines. It is the conceit of this course that there are precious few important ideas that have relevance beyond their specific disciplines, but it is these very ideas that comprise the *sine qua non* of a modern education. A wide range of subjects are covered including Psychology, Economics, Biomedicine, Linguistics, Philosophy, Physics, Sociology, and more. Offered in 2013-14

Names of Main Advisees and Trainees (with current positions):

- 1995-01 T. Jack Iwashyna, MD, PhD, Bloomberg Distinguished Professor of Social Science and Justice in Medicine, The Johns Hopkins University, Baltimore, MD*
- 1997-02 Virginia W. Chang, MD, PhD, Associate Professor of Global Public Health, New York University, New York, NY*
- 1998-00 Elizabeth B. Lamont, MD, oncologist, Brookline, MA†
- 1998-01 Danielle J. Harvey, PhD, Adjunct Professor of Public Health Sciences, University of California, Davis, CA*
- 1999-02 Ming Wen, PhD, Professor of Sociology, University of Utah, Salt Lake City, UT*
- 2003-06 Felix Elwert, PhD, Professor of Sociology, University of Wisconsin, Madison, WI*
- 2005-07 Lei Jin, PhD, Associate Professor of Sociology, Chinese University of Hong Kong, Hong Kong *
- 2005-08 Peter DeWan, PhD, Chief Scientist, VieRally, Tel Aviv, Israel*
- 2005-09 Marcus Alexander, PhD, Senior Research Scientist, Human Nature Lab, New Haven, CT*
- 2006-08 Damon Centola, PhD, Professor of Communication, Sociology, and Engineering, University of Pennsylvania, Philadelphia, PA†
- 2006-10 Mark C. Pachucki, PhD, Associate Professor of Sociology, University of Massachusetts, Amherst, MA*
- 2008-11 Samuel Arbesman, PhD, Scientist in Residence, Lux Capital, New York, NY†
- 2008-11 James Niels Rosenquist, MD, PhD, Instructor in Psychiatry, Harvard University, Cambridge, MA†

- 2008-11 Jonathan Beauchamp, PhD, Assistant Professor of Economics, George Mason University, Fairfax, VA*
- 2009-11 Jukka-Pekka Onnela, PhD, Associate Professor of Biostatistics, Harvard School of Public Health, Boston, MA†
- 2009-12 Coren Apicella, PhD, Associate Professor of Psychology, University of Pennsylvania, Philadelphia, PA†
- 2011-12 Feng Fu, PhD, Associate Professor of Mathematics, Dartmouth College, Hanover, NH†
- 2008-12 Daven R. Wright, PhD, Assistant Professor of Population Medicine, Harvard Medical School, Boston, MA*
- 2008-14 Sae Takada, MD, PhD, Assistant Professor of Medicine, University of California, Los Angeles, CA†
- 2008-15 Jessica M. Perkins, PhD, Assistant Professor, Department of Human and Organizational Development, Vanderbilt University, Nashville, TN*
- 2010-14 Andrey Liscovich, PhD, President, Ukraine Defense Fund, San Francisco, CA*
- 2010-15 David Kim, MD, PhD, Assistant Professor of Emergency Medicine, Stanford University, Palo Alto, CA†
- 2010-15 Alison Hwong, MD, PhD, psychiatrist, San Francisco, CA*
- 2014-16 Akihiro Nishi, MD, PhD, Associate Professor of Epidemiology, University of California, Los Angeles, CA†
- 2014-16 James Williams, PhD, Founder, Modality New Zealand, Christchurch, Canterbury, New Zealand*
- 2014-19 Hirokazu Shirado, Assistant Professor of Human-Computer Interaction, Carnegie Mellon University, Pittsburgh, PA*
- 2014-20 David Gelvez Alvarez, PhD, Yale University, New Haven, Connecticut*
- 2015-21 Margaret Traeger, PhD, Assistant Professor of IT, Analytics, and Operations, University of Notre Dame, Notre Dame, Indiana*
- 2015-21 Jacob Derechin, PhD, Visiting Scientist, Meta, San Francisco, California*
- 2016-21 Navin Kumar, PhD, Director of Data Science, ORG Research, New York, NY*
- 2016-18 Yongren Shi, PhD, Associate Professor of Sociology, University of Arizona, Tucson, AZ†
- 2016-19 Alexander Isakov, PhD, Product Executive, Coupang Media Group, Seoul, South Korea†
- 2017-19 Laura Forastiere, PhD, Associate Professor of Biostatistics, Yale University, New Haven, CT†
- 2017-23 Eric M. Feltham, PhD, Post-Doctoral Fellow, Human Nature Lab, New Haven, CT*
- 2019-23 Shivkumar Shridhar, Post-Doctoral Fellow, Human Nature Lab, New Haven, CT*
- 2021-23 Amir Ghasemian, PhD, Post-Doctoral Fellow, Human Nature Lab, New Haven, CT†
- 2022- Francesco Beghini, PhD, Post-Doctoral Fellow, Human Nature Lab, New Haven, CT
- 2022- Ana Lucia Rodriguez, PhD, Associate Research Scientist, Human Nature Lab, New Haven, CT†
- 2022-23 Atsushi Ueshima, PhD, Post-Doctoral Fellow, Human Nature Lab, New Haven, CT†
- 2022-24 Matt Jones, PhD, Post-Doctoral Fellow, Human Nature Lab, New Haven, CT
- 2022- Ashley Oaks, PhD Student, Human Nature Lab, New Haven, CT
- 2023- Vahid Satarifard, PhD, Post-Doctoral Fellow, Human Nature Lab, New Haven, CT
- 2023- Vaibhav Krishna, PhD, Post-Doctoral Fellow, Human Nature Lab, New Haven, CT
- 2024- Zeyu Zhu, PhD Student, Human Nature Lab, New Haven, CT

* former graduate student

† former post-doctoral fellow

Current and Former Commercial Affiliations

Gallup	Senior Scientist
Activate Networks	Founder, Member of the Board of Directors
Whoop	Member, Scientific Advisory Board
EchoNous	Member, Scientific Advisory Board
OnCorps	Scientific Advisor
Consensus	Member, Scientific Advisory Board
LORE	Member, Scientific Advisory Board
Virgin Pulse	Member, Scientific Advisory Board
MasterCard	Data Fellow
Apple	Senior Director (during sabbatical leave)

PART III: Publications

Original, Peer Reviewed Articles:

- 1 N.A. Christakis, "Do Medical Student Research Subjects Need Special Protection?" ***IRB: A Review of Human Subjects Research*** 7(3): 1-4 (June 1985)
- 2 B. Kachar, N.A. Christakis, T.S. Reese, and N.J. Lane, "The Intramembrane Structure of Septate Junctions Based on Direct Freezing," ***Journal of Cell Science*** 80(1): 13-28 (February 1986)
- 3 N.A. Christakis and M.J. Panner, "Baby Fae and the Media: How the Law Allows Appropriate Access," ***IRB: A Review of Human Subjects Research*** 8(2): 5-7 (April 1986)
- 4 M.J. Panner and N.A. Christakis, "The Limits of Science in On-The-Job Drug Screening," ***Hastings Center Report*** 16(6): 7-12 (December 1986)
- 5 N.A. Christakis, "Should IRB's Monitor Research More Strictly?" ***IRB: A Review of Human Subjects Research*** 10(2): 8-10 (April 1988)
- 6 N.A. Christakis, "The Ethical Design of an AIDS Vaccine Trial in Africa," ***Hastings Center Report*** 18(3): 31-37 (June 1988)
- 7 N.A. Christakis, "Responding to a Pandemic: International Interests in AIDS Control," ***Daedalus*** 118(2): 113-134 (Spring 1989)
- 8 N.A. Christakis and M.J. Panner, "Appropriate Collaboration Between Industry and Government in the Development of an AIDS Vaccine," ***Law, Medicine & Health Care*** 17(2): 130-138 (Summer 1989)
- 9 N.A. Christakis, L.A. Lynn, and A. Castelo, "Clinical AIDS Research that Evaluates Cost-Effectiveness in the Developing World," ***IRB: A Review of Human Subjects Research*** 13(4): 6-8 (August 1991)
- 10 N.A. Christakis and M.J. Panner, "Existing International Ethical Guidelines for Human Subjects Research: Some Open Questions," ***Law, Medicine & Health Care*** 19(3-4): 214-221 (Winter 1991)
- 11 E.T. Ryan, J.L. Ecker, N.A. Christakis, and J. Folkman, "Hirschsprung's Disease: Associated Abnormalities and Demography," ***Journal of Pediatric Surgery*** 27(1): 76-81 (January 1992)
- 12 N.A. Christakis, "Ethics Are Local: Engaging Cross-Cultural Variation in the Ethics for Clinical Research," ***Social Science and Medicine*** 35(9): 1079-1091 (October 1992).
- 13 N.A. Christakis and D.A. Asch, "Biases in How Physicians Choose to Withdraw Life Support," ***The Lancet*** 342(8872): 642-646 (September 1993); reprinted in ***Monash Bioethics Review*** 13(3): 24-33 (July 1994)
- 14 K.A. Schulman, R. McDonald, I. Frank, L.A. Lynn, N.A. Christakis, and J.S. Schwartz, "Screening Surgeons for HIV Infection: Assessment of a Potential Public Health Program," ***Infection Control and Hospital Epidemiology*** 15(3): 147-155 (March 1994)

- 15 D.A. Asch and N.A. Christakis, "Different Response Rates in a Trial of Two Envelope Styles in Mail Survey Research," *Epidemiology* 5(5): 364-365 (May 1994)
- 16 N.A. Christakis, "Timing of Referral of Terminally Ill Patients to an Outpatient Hospice," *Journal of General Internal Medicine* 9(6): 314-320 (June 1994)
- 17 P.D. Allison and N.A. Christakis, "Logit Models for Sets of Ranked Items," *Sociological Methodology* 24: 199-228 (Summer 1994)
- 18 C. Feudtner, D.A. Christakis, and N.A. Christakis, "Do Clinical Clerks Suffer Ethical Erosion? Students' Perceptions of Their Ethical Environment and Their Personal Development," *Academic Medicine* 69(8): 670-679 (August 1994)
- 19 N.A. Christakis, J.A. Jacobs, and C.M. Messikomer, "Change in Self-Definition from Specialist to Generalist in a National Sample of Physicians," *Annals of Internal Medicine* 121(9): 669-675 (November 1994)
- 20 N.A. Christakis and D.A. Asch, "Physician Characteristics Associated with Decisions to Withdraw Life Support," *American Journal of Public Health* 85(3): 367-372 (March 1995)
- 21 N.A. Christakis, "The Similarity and Frequency of Proposals to Reform U.S. Medical Education: Constant Concerns," *JAMA* 274(9): 706-711 (September 1995)
- 22 N.A. Christakis and D.A. Asch, "Medical Specialists Prefer to Withdraw Familiar Technologies When Discontinuing Life Support," *Journal of General Internal Medicine* 10(9): 491-494 (September 1995)
- 23 R.C. Fox and N.A. Christakis, "Perish and Publish: Non-Heart-Beating Organ Donation and Unduly Iterative Ethical Review," *Kennedy Institute of Ethics Journal* 5(4): 335-342 (December 1995)
- 24 D.A. Asch and N.A. Christakis, "Why Do Physicians Prefer to Withdraw Some Forms of Life Support Over Others? Intrinsic Attributes of Life Sustaining Treatments Are Associated with Physicians' Preferences," *Medical Care* 34(2): 103-111 (February 1996)
- 25 N.A. Christakis and G.A. Sachs, "The Role of Prognosis in Clinical Decision Making," *Journal of General Internal Medicine* 11(7): 422-425 (July 1996)
- 26 N.A. Christakis and J.J. Escarce, "Survival of Medicare Patients After Enrollment in Hospice Programs," *New England Journal of Medicine* 335(3): 172-178 (July 1996); partially reprinted in A.O. Berg, *Year Book of Family Practice*, St. Louis, MO: Mosby-Year Book, Inc., 1998.
- 27 N.A. Christakis, "The Ellipsis of Prognosis in Modern Medical Thought," *Social Science and Medicine* 44(3): 301-315 (February 1997)
- 28 D.A. Asch, M.K. Jedrzejewski, and N.A. Christakis, "Response Rates to Mail Surveys Published in Medical Journals," *Journal of Clinical Epidemiology* 50(10): 1129-1136 (October 1997)

- 29 D.A. Asch, N.A. Christakis, and P.A. Ubel, "Conducting Physician Mail Surveys on a Limited Budget: A Randomized Trial Comparing \$2 Bill Versus \$5 Bill Incentives," *Medical Care* 36(1): 95-99 (January 1998)
- 30 N.A. Christakis and T.J. Iwashyna, "Spousal Illness Burden Is Associated with Delayed Use of Hospice Care in Terminally Ill Patients," *Journal of Palliative Medicine* 1(1): 3-10 (March 1998)
- 31 N.A. Christakis, "Predicting Patient Survival Before and After Hospice Enrollment," *The Hospice Journal* 13(1-2): 71-87 (March 1998)
- 32 T.J. Iwashyna and N.A. Christakis, "Attitude and Self-Reported Practice Regarding Hospice Referral in a National Sample of Internists," *Journal of Palliative Medicine* 1(3): 241-248 (September 1998)
- 33 N.A. Christakis and T.J. Iwashyna, "Attitude and Self-Reported Practice Regarding Prognostication in a National Sample of Internists," *Archives of Internal Medicine* 158 (21): 2389-2395 (November 1998)
- 34 T.J. Iwashyna, J. Zhang, D. Lauderdale, and N.A. Christakis, "A Methodology for Identifying Married Couples in Medicare Data: Mortality, Morbidity, and Health Care Use Among the Married Elderly," *Demography* 35(4): 413-419 (November 1998)
- 35 E.B. Lamont and N.A. Christakis, "Some Elements of Prognosis in Terminal Cancer," *Oncology* 13(8): 1165-1170 (August 1999)
- 36 D.A. Asch, K. Faber-Langendoen, J.A. Shea, and N.A. Christakis, "The Sequence of Withdrawing Life-Sustaining Treatment from Patients," *American Journal of Medicine* 107(2): 153-156 (August 1999)
- 37 E. Becher and N.A. Christakis, "Firearm Injury Prevention Counseling: Are We Missing the Mark?" *Pediatrics* 104(3): 530-535 (September 1999)
- 38 T.J. Iwashyna, N.A. Christakis, and L.B. Becker, "Neighborhoods Matter: A Population-Based Study of Provision of Cardiopulmonary Resuscitation," *Annals of Emergency Medicine* 34(4): 459-468 (October 1999)
- 39 J. Zhang, T.J. Iwashyna, N.A. Christakis, "The Performance of Different Lookback Periods and Sources of Information for Charlson Comorbidity Adjustment in Medicare Claims," *Medical Care* 37(11): 1128-1139 (November 1999)
- 40 N.A. Christakis, "Prognostication and Bioethics," *Daedalus* 128(4): 197-214 (Fall 1999)
- 41 N.A. Christakis and E.B. Lamont, "Extent and Determinants of Error in Doctors' Prognoses for Terminally Ill Patients: Prospective Cohort Study," *British Medical Journal* 320(7233): 469-473 (February 2000); reprinted in *The Western Journal of Medicine* 172(5): 310-313 (May 2000)
- 42 K.E. Steinhauser, E.C. Clipp, M. McNeilly, N.A. Christakis, L.M. McIntyre, and J.A. Tulsky, "In Search of a Good Death: Observations of Patients, Families, and Providers," *Annals of Internal Medicine* 132(10): 825-832 (May 2000)

- 43 N.A. Christakis and T.J. Iwashyna, "The Impact of Individual and Market Factors on the Timing of Initiation of Hospice Terminal Care," *Medical Care* 38(5): 528-541 (May 2000)
- 44 T.J. Iwashyna, J. Zhang, D. Lauderdale, and N.A. Christakis, "Refinements of a Methodology for Detecting Married Couples in the Medicare Data," *Demography* 37(2): 251-252 (May 2000)
- 45 K.E. Steinhauser, N.A. Christakis, E.C. Clipp, M. McNeilly, L. McIntyre, and J.A. Tulsky, "Factors Considered Important at the End of Life by Patients, Family, Physicians, and Other Care Providers," *JAMA* 284(19): 2476-2482 (November 2000)
- 46 E.B. Lamont and N.A. Christakis, "Prognostic Disclosure to Patients with Cancer Near the End of Life," *Annals of Internal Medicine* 133(12): 1096-1105 (June 2001)
- 47 V.W. Chang and N.A. Christakis, "Extent and Determinants of Discrepancy Between Self-Evaluations of Weight Status and Clinical Standards," *Journal of General Internal Medicine* 16(8): 538-543 (August 2001)
- 48 K.E. Steinhauser, N.A. Christakis, E.C. Clipp, M. McNeilly, S. Grambow, J. Parker, and J.A. Tulsky, "Preparing for the End of Life: Preferences of Patients, Families, Physicians, and Other Care Providers," *Journal of Pain and Symptom Management* 22(3): 727-737 (September 2001)
- 49 E.B. Lamont, D.S. Lauderdale, R.L. Schilsky, and N.A. Christakis, "Construct Validity of Medicare Chemotherapy Claims: The Case of 5FU," *Medical Care* 40(3): 201-211 (March 2002)
- 50 V.W. Chang and N.A. Christakis, "Medical Modeling of Obesity: A Transition from Action to Experience in a 20th Century American Medical Textbook," *Sociology of Health and Illness* 24(2): 151-177 (March 2002)
- 51 E.B. Lamont and N.A. Christakis, "Physician Factors in the Timing of Cancer Patient Referral to Hospice Palliative Care," *Cancer* 94(10): 2733-2737 (May 2002)
- 52 N.A. Christakis, T.J. Iwashyna, and J.X. Zhang, "Care After the Onset of Serious Illness (COSI): A Novel Claims-Based Dataset Exploiting Substantial Cross-Set Linkages to Study End-of-Life Care," *Journal of Palliative Medicine* 5(4): 515-529 (August 2002)
- 53 T.J. Iwashyna, J.X. Zhang, and N.A. Christakis, "Disease-Specific Patterns of Hospice and Related Healthcare Use in an Incidence Cohort of Seriously Ill Elderly Patients," *Journal of Palliative Medicine* 5(4): 531-538 (August 2002)
- 54 T.J. Iwashyna, F. Curlin, and N.A. Christakis, "Racial, Ethnic, and Affluence Differences in Elderly Patients' Use of Teaching Hospitals," *Journal of General Internal Medicine* 17(9): 696-703 (September 2002)
- 55 T.J. Iwashyna, G. Brennan, J.X. Zhang, and N.A. Christakis, "Finding Married Couples in Medicare Claims Data," *Health Services and Outcomes Research Methodology* 3(1): 75-86 (December 2002)

- 56 T.J. Iwashyna, V.W. Chang, J.X. Zhang, and N.A. Christakis, "The Lack of Effect of Market Structure on Hospice Use," *Health Services Research* 37(6): 1531-1551 (December 2002)
- 57 K.E. Steinhauser, H.B. Bosworth, E.C. Clipp, M. McNeilly, N.A. Christakis, J. Parker, and J.A. Tulsky, "Initial Assessment of a New Instrument to Measure Quality of Life at the End of Life," *Journal of Palliative Medicine* 5(6): 829-841 (December 2002)
- 58 V.W. Chang and N.A. Christakis, "Self-Perception of Weight Appropriateness in the U.S.," *American Journal of Preventive Medicine* 24(4): 332-339 (May 2003)
- 59 E.B. Lamont, N.A. Christakis, and D.S. Lauderdale, "Favorable Cardiovascular Risk Among Elderly Breast Carcinoma Survivors," *Cancer* 98(1): 2-10 (July 2003)
- 60 E.B. Lamont and N.A. Christakis, "Complexities in Prognostication in Advanced Cancer," *JAMA* 290(1): 98-104 (July 2003)
- 61 P. Glare, K. Virik, M. Jones, M. Hudson, S. Eychmuller, J. Simes, and N.A. Christakis, "A Systematic Review of Physicians' Survival Predictions in Terminally Ill Cancer Patients," *British Medical Journal* 327(7408): 195-200 (July 2003)
- 62 N.A. Christakis and T.J. Iwashyna, "The Health Impact on Families of Health Care: A Matched Cohort Study of Hospice Use by Decedents and Mortality Outcomes in Surviving, Widowed Spouses," *Social Science and Medicine* 57(3): 465-475 (August 2003)
- 63 T.J. Iwashyna and N.A. Christakis, "Marriage, Widowhood, and Health Care Use," *Social Science and Medicine* 57(11): 2137-2147 (December 2003)
- 64 K. E. Steinhauser, E. C. Clipp, H. B. Bosworth, M. McNeilly, N.A. Christakis, C. I. Voils, and J.A. Tulsky, "Measuring Quality of Life at the End of Life: Validation of the QUAL-E," *Palliative and Supportive Care*, 2(2): 3-14 (March 2004).
- 65 N.A. Christakis, "Social Networks and Collateral Health Effects – Have Been Ignored in Medical Care and Clinical Trials, But Need to Be Studied," *British Medical Journal* 329(7459): 184-185 (July 2004)
- 66 V.W. Chang and N.A. Christakis, "Income Inequality and Weight Status in U.S. Metropolitan Areas," *Social Science and Medicine* 61(1): 83-96 (July 2005)
- 67 E.B. Lamont, J.E. Herndon, J. C. Weeks, I.C. Henderson, R. Lilenbaum, R.L. Schilsky, and N.A. Christakis, for the Cancer and Leukemia Group B, "Criterion Validity of Medicare Chemotherapy Claims in Cancer and Leukemia Group B Breast and Lung Cancer Trial Participants," *Journal of the National Cancer Institute* 97(14): 1080-1083 (July 2005)
- 68 M. Wen and N.A. Christakis, "Neighborhood Effects on Post-Hospitalization Mortality: A Population-Based Cohort Study of the Elderly in Chicago," *Health Services Research* 40(4): 1108-1127 (August 2005)
- 69 M. Wen, K.A. Cagney, and N.A. Christakis, "Effect of Specific Aspects of Community Social Environment on the Mortality of Individuals Diagnosed with Serious Illness," *Social Science and Medicine* 61(6): 1119-1134 (September 2005)

- 70 M. Maltoni, A. Caraceni, C. Brunelli, B. Broeckaert, N.A. Christakis, S. Eychmueller, P. Glare, M. Nabal, A. Viganò, P. Larkin, F. De Conno, G. Hanks, and S. Kaasa, "Prognostic Factors in Advanced Cancer Patients: Evidence-Based Clinical Recommendations," *Journal of Clinical Oncology* 23(25): 6240-6248 (September 2005)
- 71 K.E. Steinhauser, C.I. Voils, E.C. Clipp, H.B. Bosworth, N.A. Christakis, and J.A. Tulsky, "'Are You at Peace?' One Item to Probe Spiritual Concerns at the End of Life," *Archives of Internal Medicine* 166(1): 101-105 (January 2006)
- 72 N.A. Christakis and P.D. Allison, "Mortality After the Hospitalization of a Spouse," *New England Journal of Medicine* 354(7): 719-730 (February 2006)
- 73 F. Elwert and N.A. Christakis, "Widowhood and Race," *ASR: American Sociological Review* 71(1): 16-41 (February 2006)
- 74 M. Wen and N.A. Christakis, "Prospective Effect of Community Distress and Subcultural Orientation on Mortality Following Life-Threatening Disease in Later Life," *Sociology of Health and Illness* 28(5): 558-582 (July 2006)
- 75 P.D. Allison and N.A. Christakis, "Fixed Effects Methods for the Analysis of Non-Repeated Events," *Sociological Methodology* 36(1): 155-172 (Summer 2006)
- 76 E.B. Lamont, J.E. Herndon, J.C. Weeks, I.C. Henderson, C.C. Earle, R.L. Schilsky, and N.A. Christakis, for the Cancer and Leukemia Group B, "Measuring Disease-Free Survival and Cancer Relapse Using Medicare Claims from CALGB Breast Cancer Trial Participants," *Journal of the National Cancer Institute* 98(18): 1335-1338 (September 2006)
- 77 K. E. Steinhauser, E. C. Clipp, J. C. Hays, M. Olsen, R. Arnold, N.A. Christakis, J.H. Lindquist, and J.A. Tulsky, "Identifying, Recruiting, And Retaining Seriously-Ill Patients And Their Caregivers in Longitudinal Research At The End Of Life," *Palliative Medicine* 20(8): 745-754 (December 2006)
- 78 N.A. Christakis and J.H. Fowler, "The Spread of Obesity in a Large Social Network Over 32 Years," *New England Journal of Medicine* 357(4): 370-379 (July 2007)
- 79 K. Zivin and N.A. Christakis, "The Emotional Toll of Spousal Morbidity and Mortality," *American Journal of Geriatric Psychiatry* 15(9): 772-779 (September 2007)
- 80 S.R. Connor, F. Elwert, C. Spence, and N.A. Christakis, "Geographic Variation in Hospice Use in the United States in 2002," *Journal of Pain and Symptom Management* 34(3): 277-285 (September 2007)
- 81 S.V. Subramanian, F. Elwert, and N.A. Christakis, "Widowhood and Mortality Among the Elderly: The Modifying Role of Neighborhood Concentration of Widowed Individuals" *Social Science and Medicine* 66(4): 873-884 (February 2008)
- 82 E.B. Lamont, J.E. Herndon, J. C. Weeks, I.C. Henderson, R. Lilenbaum, R.L. Schilsky, and N.A. Christakis, for the Cancer and Leukemia Group B, "Measuring Clinically Significant Chemotherapy-Related Toxicities Using Medicare Claims from Cancer and Leukemia Group B (CALGB) Trial Participants," *Medical Care* 46(3): 303-308 (March 2008)

- 83 S.R. Connor, F. Elwert, C. Spence, and N.A. Christakis, "Racial Disparity in Hospice Use in the United States in 2002," *Palliative Medicine* 22(3): 205-213 (April 2008)
- 84 N.A. Christakis and J.H. Fowler, "The Collective Dynamics of Smoking in a Large Social Network," *New England Journal of Medicine* 358(21): 2249-2258 (May 2008)
- 85 W. Cadge, J. Freese, and N.A. Christakis, "The Provision of Hospital Chaplaincy in the United States: A National Overview," *Southern Medical Journal* 101(6): 626-630 (June 2008)
- 86 M. Alexander and N.A. Christakis, "Bias and Asymmetric Loss in Expert Forecasts: A Study of Physician Prognostic Behavior with Respect to Patient Survival," *Journal of Health Economics* 27(4): 1095-1108 (July 2008)
- 87 D.S. Lee, J. Park, K.A. Kay, N.A. Christakis, Z.N. Oltvai, and A.L. Barabasi, "The Implications of Human Metabolic Network Topology for Disease Comorbidity," *PNAS: Proceedings of the National Academy of Sciences* 105(29): 9880-9885 (July 2008)
- 88 K.P. Smith and N.A. Christakis, "Social Networks and Health," *Annual Review of Sociology* 34: 405-429 (August 2008)
- 89 J.H. Fowler and N.A. Christakis, "Estimating Peer Effects on Health in Social Networks," *Journal of Health Economics* 27(5): 1386-1391 (September 2008)
- 90 K. Lewis, J. Kaufman, M. Gonzalez, A. Wimmer, and N.A. Christakis, "Tastes, Ties, and Time: A New (Cultural, Multiplex, and Longitudinal) Social Network Dataset Using Facebook.com," *Social Networks* 30(4): 330-342 (October 2008)
- 91 F. Elwert and N.A. Christakis, "Wives and Ex-Wives: A New Test for Homogamy Bias in the Widower Effect," *Demography* 45(4): 851-873 (November 2008)
- 92 F. Elwert and N.A. Christakis, "Variation in the Effect of Widowhood on Mortality by the Causes of Death of Both Spouses," *American Journal of Public Health* 98(11): 2092-2098 (November 2008)
- 93 D. Davis, N. Chawla, N. Blumm, N.A. Christakis, A.L. Barabasi. "Predicting Individual Disease Risk Based on Medical History," *Proceedings of the 17th ACM Conference on Information and Knowledge Management (CIKM)* 769-778 (2008)
- 94 K. Lewis, J. Kaufman, and N.A. Christakis, "The Taste for Privacy: An Analysis of College Student Privacy Settings in an Online Social Network," *Journal of Computer Mediated Communication* 14(1): 79-100 (December 2008)
- 95 J.H. Fowler and N.A. Christakis, "Dynamic Spread of Happiness in a Large Social Network: Longitudinal Analysis Over 20 Years in the Framingham Heart Study," *British Medical Journal* 2008; 337: a2338 (December 2008)
- 96 J.H. Fowler, C.T. Dawes, and N.A. Christakis, "Model of Genetic Variation in Human Social Networks," *PNAS: Proceedings of the National Academy of Sciences* 106(6): 1720-1724 (February 2009)

- 97 D. Lazer, A. Pentland, L. Adamic, S. Aral, A.L. Barabasi, D. Brewer, N.A. Christakis, N. Contractor, J. Fowler, M. Gutmann, T. Jebara, G. King, M. Macy, D. Roy, and M. Van Alstyne, "Computational Social Science," *Science* 323: 721-723 (February 2009)
- 98 N.A. Christakis and J.H. Fowler, "Social Network Visualizations in Epidemiology," *Norwegian Journal of Epidemiology* 19(1): 5-16 (March 2009)
- 99 C.A. Hidalgo, N. Blumm, A.L. Barabasi, and N.A. Christakis, "A Dynamic Network Approach for the Study of Human Phenotypes," *PLoS Computational Biology* 5(4): e1000353 (April 2009)
- 100 J. Park, D.S Lee, N.A. Christakis, and A.L. Barabasi, "The Impact of Cellular Networks on Disease Co-Morbidity," *Molecular Systems Biology* 5: Article number: 262 doi:10.1038/msb.2009.16 (April 2009)
- 101 L. Jin and N.A. Christakis, "Investigating the Mechanism of Marital Mortality Reduction: The Transition to Widowhood and Quality of Health Care," *Demography* 46(3): 605-625 (August 2009)
- 102 L.L. Chen, N. Blumm, N.A. Christakis, A.L. Barabasi, T.S. Deisboeck, "Cancer Metastasis Networks and the Prediction of Progression Patterns," *British Journal of Cancer* 101(5): 749-758 (August 2009)
- 103 M. Collins, S. Block, R. Arnold, and N.A. Christakis, "On the Prospects for a Blame-Free Medical Culture," *Social Science and Medicine* 69(9): 1287-1290 (November 2009)
- 104 K.P. Smith and N.A. Christakis, "Association Between Widowhood and Risk of Diagnosis with a Sexually Transmitted Infection in Older Adults," *American Journal of Public Health* 99(11): 2055-2062 (November 2009)
- 105 J.T. Cacioppo, J.H. Fowler, and N.A. Christakis, "Alone in the Crowd: The Structure and Spread of Loneliness in a Large Social Network," *Journal of Personality and Social Psychology* 97(6): 977-991 (December 2009)
- 106 Y. Zeng, D. Gu, J. Purser, H. Hoenig, and N.A. Christakis, "Association of Environmental Factors with Elderly Health and Mortality in China," *American Journal of Public Health* 100(2): 298-305 (February 2010)
- 107 J.H. Fowler, and N.A. Christakis, "Cooperative Behavior Cascades in Human Social Networks," *PNAS: Proceedings of the National Academy of Sciences* 107(12): 5334-5338 (March 2010)
- 108 S.C. Mednick, N.A. Christakis, and J.H. Fowler, "The Spread of Sleep Behavior Influences Drug Use in Adolescent Social Networks," *PLoS One* 5(3): e9775 (March 2010)
- 109 J.N. Rosenquist, J. Murabito, J.H. Fowler, and N.A. Christakis, "The Spread of Alcohol Consumption Behavior in a Large Social Network," *Annals of Internal Medicine* 152(7): 426-433 (April 2010)
- 110 D.A. Davis, N.V. Chawla, N.A. Christakis, and A.L. Barabasi, "Time to CARE: A Collaborative Engine for Practical Disease Prediction," *Data Mining and Knowledge Discovery* 20(3): 388-415 (May 2010)

- 111 S. Arbesman and N.A. Christakis, “Leadership Insularity: A New Measure of Connectivity Between Central Nodes in Networks,” *Connections* 30(1): 4-10 (Summer 2010)
- 112 L. Jin, F. Elwert, J. Freese, and N.A. Christakis, “Preliminary Evidence Regarding the Hypothesis that the Sex Ratio at Sexual Maturity May Affect Longevity in Men,” *Demography* 47(3): 579-586 (August 2010)
- 113 N.A. Christakis and J.H. Fowler, “Social Network Sensors for Early Detection of Contagious Outbreaks,” *PLoS One* 5(9): e12948 (September 2010)
- 114 J.E. Settle, C.T. Dawes, Peter K. Hatemi, N.A. Christakis, and J.H. Fowler, “Friendships Moderate an Association Between a Dopamine Gene Variant and Political Ideology,” *Journal of Politics* 72(4): 1189-1198 (October 2010)
- 115 A.L. Hill, D.G. Rand, M.A. Nowak, and N.A. Christakis, “Infectious Disease Modeling of Social Contagion in Networks,” *PLoS Computational Biology* 6(11): e1000968 (November 2010)
- 116 A.L. Hill, D.G. Rand, M.A. Nowak, and N.A. Christakis, “Emotions as Infectious Diseases in a Large Social Network: The SISa Model,” *Proceedings of the Royal Society B* 277(1701): 3827-3835 (December 2010)
- 117 J.H. Fowler, J.E. Settle, and N.A. Christakis, “Correlated Genotypes in Friendship Networks,” *PNAS: Proceedings of the National Academy of Sciences* 108(5): 1993-1997 (February 2011)
- 118 J.N. Rosenquist, J.H. Fowler, and N.A. Christakis, “Social Network Determinants of Depression,” *Molecular Psychiatry* 16(3): 273-281 (March 2011)
- 119 A.J. O’Malley and N.A. Christakis, “Longitudinal Analysis of Large Social Networks: Estimating the Effect of Health Traits on Changes in Friendship Ties,” *Statistics in Medicine* 30(9): 950-964 (April 2011)
- 120 J.P. Onnela, S. Arbesman, M.C. Gonzalez, A.L. Barabasi, and N.A. Christakis, “Geographic Constraints on Social Network Groups,” *Plos One* 6(4): e16939 (April 2011)
- 121 S. Arbesman and N.A. Christakis, “Scaling of Prosocial Behavior in Cities,” *Physica A* 390(11): 2155-2159 (June 2011)
- 122 S. Arbesman and N.A. Christakis, “Eurekometrics: Analyzing the Nature of Discovery,” *PLoS Computational Biology* 7(6): e1002072 (June 2011)
- 123 N.L. Keating, A.J. O’Malley, J.M. Murabito, K.P. Smith, and N.A. Christakis, “Minimal Social Network Effects Evident in Cancer Screening Behavior,” *Cancer* 117(13): 3045-3052 (July 2011)
- 124 M. Barnett, B. Landon, A.J. O’Malley, N.L. Keating, and N.A. Christakis, “Mapping Physician Networks with Self-Reported and Administrative Data,” *Health Services Research* 46(5): 1592-1609 (October 2011)

- 125 J.P. Beauchamp, D. Cesarini, M. Johannesson, M.J.H.M van der Loos, P.D. Koellinger, P.J.F. Broenen, J.H. Fowler, J.N. Rosenquist, A.R. Thurik, and N.A. Christakis, “Molecular Genetics and Economics,” *Journal of Economic Perspectives* 25(4): 57-82 (Fall 2011)
- 126 M. Pachucki, P.F. Jacques, and N.A. Christakis, “Social Network Concordance in Food Choice Among Spouses, Friends, and Siblings,” *American Journal of Public Health* 101(11): 2170-2177 (November 2011)
- 127 J. Block, N.A. Christakis, A.J. O’Malley, and S. Subramanian, “Proximity to Food Establishments and Body Mass Index in the Framingham Heart Study Offspring Cohort over 30 Years,” *American Journal of Epidemiology* 174(10): 1108-1114 (November 2011)
- 128 D. Rand, S. Arbesman, and N.A. Christakis, “Dynamic Social Networks Promote Cooperation in Experiments with Humans,” *PNAS: Proceedings of the National Academy of Sciences* 108(48): 19193-19198 (November 2011)
- 129 C.L. Apicella, F.W. Marlowe, J.H. Fowler, and N.A. Christakis, “Social Networks and Cooperation in Hunter-Gatherers,” *Nature* 481(7382): 497-501 (January 2012)
- 130 M. Barnett, N.A. Christakis, A.J. O’Malley, J.P. Onnela, N.L. Keating, and B. Landon, “Physician Patient-Sharing Networks and the Cost and Intensity of Care in US Hospitals,” *Medical Care* 50(2): 152-160 (February 2012)
- 131 J.P. Onnela and N.A. Christakis, “Spreading Paths in Partially Observed Social Networks,” *Physical Review E* 85(3): 036106 (March 2012)
- 132 K. Strully, J.H. Fowler, J. Murabito, E.J. Benjamin, D. Levy, and N.A. Christakis, “Aspirin Use and Cardiovascular Events in Social Networks,” *Social Science and Medicine* 74(7): 1125-1129 (April 2012)
- 133 M. Barnett, N.L. Keating, N.A. Christakis, A.J. O’Malley, and B. Landon, “Reasons for Choice of Referral Physician Among Primary Care and Specialist Physicians,” *Journal of General Internal Medicine* 27(5): 506-512 (May 2012)
- 134 A.J. O’Malley, S. Arbesman, D.M. Steiger, J.H. Fowler, and N.A. Christakis, “Egocentric Social Network Structure, Health, and Pro-Social Behaviors in a National Panel Study of Americans,” *PLoS One* 7(5): e36250 (May 2012)
- 135 F. Fu, C.E. Tarnita, N.A. Christakis, L. Wang, D.G. Rand, and M.A. Nowak, “Evolution of In-Group Favoritism,” *Scientific Reports* 2: 460 (June 2012)
- 136 N. Gulbahce, H. Yan, A. Dricot, M. Padi, D. Byrdsong, R. Franchi, D.S. Lee, O. Rozenblatt-Rosen, J.C. Mar, M.A. Calderwood, A. Baldwin, B. Zhao, B. Santhanam, P. Braun, N. Simonis, K.W. Huh, K. Hellner, M. Grace, A. Chen, R. Rubio, J.A. Marto, N.A. Christakis, E. Kieff, F.P. Roth, J. Roeklein-Canfield, J.A. Decaprio, M.E. Cusick, J. Quackenbush, D.E. Hill, K. Munger, M. Vidal, A.L. Barabasi. “Viral Perturbations of Host Networks Reflect Disease Etiology,” *PLoS Computational Biology* 8(6): e1002531 (June 2012)
- 137 B.E. Landon, N.L. Keating, M.L. Barnett, J.P. Onnela, S. Paul, A.J. O’Malley, T. Keegan, and N.A. Christakis, “Variation in Patient-Sharing Networks of Physicians Across the United States,” *JAMA: Journal of the American Medical Association* 308(3): 265-273 (July 2012)

- 138 C.F. Chabris, B.M. Hebert, D.J. Benjamin, J. Beauchamp, D. Cesarini, M. van der Loos, M. Johannesson, P.K. E. Magnusson, P. Lichtenstein, C.S. Atwood, J. Freese, T.S. Hauser, R.M. Hauser, N.A. Christakis, D. Laibson, “Most Reported Genetic Associations with General Intelligence Are Probably False Positives,” *Psychological Science* 23(11): 1314-1323 (November 2012)
- 139 F. Fu, M. Nowak, N.A. Christakis, and J.H. Fowler, “The Evolution of Homophily,” *Scientific Reports* 2: 845 (November 2012)
- 140 J.E. DeNeve, N.A. Christakis, J.H. Fowler, and B.S. Frey, “Genes, Economics, and Happiness,” *Journal of Neuroscience, Psychology, and Economics* 5(4): 193-211 (November 2012)
- 141 H.B. Shakya, N.A. Christakis, and J.H. Fowler, “Parental Influence on Substance Use in Adolescent Social Networks,” *Archives of Pediatrics and Adolescent Medicine* 166(12): 1132-1139 (December 2012)
- 142 N.A. Christakis and J.H. Fowler, “Social Contagion Theory: Examining Dynamic Social Networks and Human Behavior,” *Statistics in Medicine* 32(4): 556-577 (February 2013)
- 143 J.E. DeNeve, S. Mikhaylov, C.T. Dawes, N.A. Christakis, and J.H. Fowler, “Born to Lead? A Twin Design and Genetic Association Study of Leadership Role Occupancy,” *Leadership Quarterly* 24(1): 45-60 (February 2013); <http://dx.doi.org/10.1016/j.leaqua.2012.08.001>
- 144 R. McDermott, J.H. Fowler, and N.A. Christakis, “Breaking Up Is Hard to Do, Unless Everyone Else Is Doing It Too: Social Network Effects on Divorce in a Longitudinal Sample,” *Social Forces* 92(2): 491-519 (February 2013)
- 145 J.P. Block, S.V. Subramanian, N.A. Christakis, and A.J. O’Malley, “Population Trends and Variation in Body Mass Index From 1971 to 2008 in the Framingham Heart Study Offspring Cohort,” *PLoS One* 8(5): e63217 (May 2013)
- 146 J.J. Jordan, D.G. Rand, S. Arbesman, J.H. Fowler, and N.A. Christakis, “Contagion of Cooperation in Static and Fluid Social Networks,” *PLoS One* 8(6): e66199 (June 2013)
- 147 B.E. Landon, J.P. Onnela, N.L. Keating, M.L. Barnett, S. Paul, A.J. O’Malley, T. Keegan, and N.A. Christakis, “Using Administrative Data to Identify Naturally Occurring Networks of Physicians,” *Medical Care* 51 (8): 715-21 (August 2013)
- 148 M. Arcaya, M.M. Glymour, P. Chakrabarti, N.A. Christakis, I. Kawachi, and S.V. Subramanian, “Effects of Proximate Foreclosed Properties on Individuals’ Weight Gain in Massachusetts, 1987-2008,” *American Journal of Public Health* 103 (9): e50-6 (September 2013)
- 149 H. Shirado, F. Fu, J.H. Fowler, and N.A. Christakis, “Quality Versus Quantity of Social Ties in Experimental Cooperative Networks,” *Nature Communications* 4: 2814 (November 2013)
- 150 W. Hobbs, N.A. Christakis, and J.H. Fowler, “Widowhood Effects in Voter Participation,” *American Journal of Political Science* 58(1): 1-16 (January 2014)

- 151 T.A. Brakefield, S.C. Mednick, H.W. Wilson, J.E. deNeve, N.A. Christakis, and J.H. Fowler, "Same-Sex Sexual Attraction Does Not Spread in Adolescent Social Networks," *Archives of Sexual Behavior* 43(2): 335-344 (February 2014)
- 152 L. Coviella, Y. Sohn, A.D.I. Kramer, C. Marlow, M. Franceschetti, N.A. Christakis, and J.H. Fowler, "Detecting Emotional Contagion in Massive Social Networks," *PLoS One* 9(3): e90315 (March 2014)
- 153 M. Garcia-Herranz, E.M. Egido, M. Cebrian, N.A. Christakis, and J.H. Fowler, "Using Friends as Sensors to Detect Global-Scale Contagious Outbreaks," *PLoS One* 9(4): e92413 (April 2014)
- 154 H. Shakya, N.A. Christakis, and J.H. Fowler, "Association Between Social Network Communities and Health Behavior: An Observational Sociocentric Network Study of Latrine Adoption in Rural India," *American Journal of Public Health* 104(5): 903-907 (May 2014)
- 155 C.L. Apicella, E.M. Azevedo, N.A. Christakis, and J.H. Fowler, "Evolutionary Origin of the Endowment Effect: Evidence from Hunter-Gatherers," *American Economic Review* 104(6): 1793-1805 (June 2014)
- 156 M. Arcaya, M.M. Glymour, P. Chakrabarti, N.A. Christakis, I. Kawachi, and S.V. Subramanian, "Effects of Proximate Foreclosed Properties on Individuals' Systolic Blood Pressure in Massachusetts, 1987-2008," *Circulation* 129(22): 2262-2268 (June 2014)
- 157 M. Arcaya, M.M. Glymour, N.A. Christakis, I. Kawachi, and S.V. Subramanian, "Individual and Spousal Unemployment as Predictors of Smoking and Drinking Behavior," *Social Science and Medicine* 110: 89-95 (June 2014)
- 158 N.A. Christakis and J.H. Fowler, "Friendship and Natural Selection," *PNAS: Proceedings of the National Academy of Sciences* 111(Supplement 3): 10796-10801 (July 2014)
- 159 A.J. O'Malley, F. Elwert, J.N. Rosenquist, A.M. Zaslavsky, and N.A. Christakis, "Estimating Peer Effects in Longitudinal Dyadic Data Using Instrumental Variables," *Biometrics* 70: 506-515 (April 2014)
- 160 D.G. Rand, M. Nowak, J.H. Fowler, and N.A. Christakis, "Static Network Structure Can Stabilize Human Cooperation," *PNAS: Proceedings of the National Academy of Sciences* 111 (48): 17093-17098 (December 2014)
- 161 J. Perkins, S. Subramanian, and N.A. Christakis, "Social Networks and Health: A Systematic Review of Sociocentric Network Studies in Low- and Middle-Income Countries," *Social Science and Medicine* 125: 60-78 (January 2015)
- 162 H.B. Shakya, N.A. Christakis, and J.H. Fowler, "Social Network Predictors of Latrine Ownership in India," *Social Science and Medicine* 125: 129-38 (January 2015)
- 163 J.N. Rosenquist, A.J. O'Malley, S.F. Lehrer, A. Zaslavsky, J.W. Smoller, and N.A. Christakis, "Cohort of birth modifies the association between FTO genotype and BMI," *PNAS: Proceedings of the National Academy of Sciences* 112(2): 354-359 (January 2015)

- 164 D.A. Kim, A.R. Hwang, D. Stafford, D.A. Hughes, A.J. O'Malley, J.H. Fowler, and N.A. Christakis, "Social Network Targeting to Maximise Population Behaviour Change: A Cluster Randomised Controlled Trial," *The Lancet* 386: 145-153 (July 2015)
- 165 A. Nishi, H. Shirado, D. Rand, and N.A. Christakis, "Inequality and Visibility of Wealth in Experimental Social Networks," *Nature* 526: 426-429 (October 2015)
- 166 A. Nishi, H. Shirado, and N.A. Christakis, "Intermediate Levels of Network Fluidity Amplify Economic Growth and Mitigate Economic Inequality in Experimental Social Networks," *Sociological Science* 2: 544-557 (November 2015)
- 167 H.B. Shakya, N.A. Christakis, and J.H. Fowler, "Self Comparisons as Motivators for Healthy Behavior," *Obesity* 23(12): 2477-2484 (December 2015)
- 168 A. Isakov, A Holcomb, L. Glowacki, and N.A. Christakis, "Modeling the Role of Networks and Individual Differences in Inter-Group Violence," *PLoS One* 11(2): e0148314 (February 2016)
- 169 J.P. Onnela, B.E. Landon, A.L. Kahn, D. Ahmed, H. Verma, A.J. O'Malley, S. Bahl, R.W. Sutter, and N.A. Christakis, "Polio Vaccine Hesitancy in the Networks and Neighborhoods of Malegaon, India," *Social Science and Medicine* 153: 99-106 (March 2016)
- 170 H.B. Shakya, D.A. Hughes, D.K. Stafford, N.A. Christakis, J.H. Fowler, and J.G. Silverman, "Intimate Partner Violence Norms Cluster Within Households: An Observational Social Network Study in Rural Honduras," *BMC Public Health* 16: 233 (March 2016)
- 171 M.A. Andersson and N.A. Christakis, "Desire for Weight Loss, Weight-Related Social Contact, and Body Mass Outcomes," *Obesity* 24(7): 1434-1437 (July 2016)
- 172 A. Nishi, N.A. Christakis, T. Evans, A.J. O'Malley, and D. G. Rand, "Social Environment Shapes the Speed of Cooperation," *Scientific Reports* 6: 29622 (July 2016)
- 173 D.A. Kim, E. Benjamin, J.H. Fowler, and N.A. Christakis, "Social Connectedness Is Associated with Fibrinogen Level in a Human Social Network," *Proceedings of the Royal Society B* 283: 20160958 (August 2016)
- 174 L. Glowacki, A. Isakov, R.W. Wrangham, R. McDermott, J.H. Fowler, and N.A. Christakis, "Formation of Raiding Parties for Inter-Group Violence Is Mediated by Social Network Structure," *PNAS: Proceedings of the National Academy of Sciences* 113(43): 12114-12119 (October 2016)
- 175 W.R. Hobbs, M.K. Burke, N.A. Christakis, and J.H. Fowler, "Online Social Integration is Associated with Reduced Mortality Risk," *PNAS: Proceedings of the National Academy of Sciences* 113(46): 12980-12984 (November 2016)
- 176 H.B. Shakya, N.A. Christakis, and J.H. Fowler, "An Exploratory Comparison of Name Generator Content: Data from Rural India," *Social Networks* 48: 157-168 (January 2017)
- 177 H.B. Shakya and N.A. Christakis, "Association of Facebook Use with Compromised Well-Being: A Longitudinal Study," *American Journal of Epidemiology* 185(3): 203-211 (February 2017)

- 178 A. Nishi, N.A. Christakis, and D. G. Rand, "Cooperation, Decision Time, and Culture: Online Experiments with American and Indian Participants," *PLoS ONE* 12(2): e0171252 (February 2017)
- 179 H.B. Shakya, D. Stafford, D.A. Hughes, T. Keegan, R. Negron, J. Broome, M. McKnight, E. Nicoll, J.A. Nelson, E. Iriarte, J.H. Fowler, and N.A. Christakis, "Exploiting Social Influence to Magnify Population-Level Behavior Change in Maternal and Child Health: A Randomized Controlled Trial of Network Targeting Algorithms in Rural Honduras," *BMJ Open* 7(3): e012996 (March 2017)
- 180 F. Fu, N.A. Christakis, and J.H. Fowler, "Dueling Biological and Social Contagions," *Scientific Reports* 7: 43634 (March 2017)
- 181 H. Shirado and N.A. Christakis, "Locally Noisy Autonomous Agents Improve Global Human Coordination in Network Experiments," *Nature* 545: 370-375 (May 2017)
- 182 J. Fernandez-Gracia, J.P. Onnela, M. Barnett, V.M. Eguiluz, and N.A. Christakis, "Influence of Patient Transfer Network of US Inpatient Facilities on the Incidence of Nosocomial Infections," *Scientific Reports* 7: 2930 (June 2017)
- 183 J. Fernández-Gracia, J.P. Onnela, M.L. Barnett, V.M. Eguíluz, and N.A. Christakis, "Spread of Pathogens in the Patient Transfer Network of US Hospitals," in: Lee D., Lin YR., Osgood N., Thomson R. (eds) Social, Cultural, and Behavioral Modeling. SBP-BRiMS 2017. *Lecture Notes in Computer Science* vol 10354 (June 2017)
- 184 C.E. Pollack, P.R. Soulos, J. Herrin, X. Xu, N.A. Christakis, H.P. Forman, J.B. Yu, B.K. Killelea, S.Y. Wang, C.P. Gross, "The Impact of Social Contagion on Physician Adoption of Advanced Imaging Tests in Breast Cancer," *Journal of National Cancer Institute* 109(8): djw330 (August 2017)
- 185 B.E. Landon, N.L. Keating, J.P. Onnela, A. Zaslavsky, N.A. Christakis, and A.J. O'Malley, "Patient-Sharing Networks of Physicians and Healthcare Utilization and Spending Among Medicare Beneficiaries," *JAMA Internal Medicine* 178(1): 66-73 (January 2018)
- 186 J.M. Perkins, V.N. Nyakato, B. Kakuhikire, P.K. Mbabazi, H.W. Perkins, A.C. Tsai, S.V. Subramanian, N.A. Christakis, and D.R. Bangsberg, "Actual Versus Perceived HIV Testing Norms, and Personal HIV Testing Uptake: A Cross-Sectional, Population-Based Study in Rural Uganda," *AIDS and Behavior* 22(2): 616-628 (February 2018)
- 187 H.B. Shakya, J. Perkins, M. Traeger, A. Tsai, D. Bangsberg, B. Kakuhikire, and N.A. Christakis, "Social Network Correlates of IPV Acceptance in Rural Honduras and Rural Uganda," *SSM – Population Health* 4: 236-243 (April 2018)
- 188 J.M. Perkins, V.N. Nyakato, B. Kakuhikire, A.C. Tsai, S.V. Subramanian, D.R. Bangsberg, and N.A. Christakis, "Food Insecurity, Social Networks, and Symptoms of Depression Among Men and Women in Rural Uganda: A Cross-Sectional Population-Based Study," *Public Health Nutrition* 21(5): 838-848 (April 2018).
- 189 J. Wu, F.W. Crawford, D.A. Kim, D. Stafford, and N.A. Christakis, "Exposure, Hazard, and Survival Analysis of Diffusion on Social Networks," *Statistics in Medicine* 37(17): 2561-2585 (July 2018)

- 190 S.V. Subramanian, R. Kim, and N.A. Christakis, “The ‘Average’ Treatment Effect: A Construct Ripe for Retirement. A Commentary on Deaton and Cartwright,” ***Social Science and Medicine*** 210: 77-82 (August 2018)
- 191 G. Iosifidis, Y. Charette, E. Airoidi, G. Littera, L. Tassiulas, and N.A. Christakis, “Cyclic Motifs in the Sardex Novel Monetary Network,” ***Nature Human Behavior*** 2: 822-829 (October 2018)
- 192 S.S. Tannenbaum, P.R. Soulos, J. Herrin, C.E. Pollack, X. Xu, N.A. Christakis, H.P. Forman, J.B. Yu, B.K. Killelea, S.Y. Wang, C.P. Gross, “Surgeon Peer Network Characteristics and Adoption of New Imaging Techniques in Breast Cancer: A Study of Perioperative MRI,” ***Cancer Medicine*** 12: 5901-5909 (December 2018)
- 193 H. Shirado, G. Iosifidis, L. Tassiulas, and N.A. Christakis, “Resource Sharing in Technologically Defined Social Networks,” ***Nature Communications*** 10(1): 1079 (March 2019)
- 194 A. Isakov, J.H. Fowler, E.M. Airoidi, and N.A. Christakis, “The Structure of Negative Ties in Rural Village Networks,” ***Sociological Science*** 6: 197-218 (March 2019)
- 195 I. Rahwan, M. Cebrian, N. Obradovich, J. Bongard, J.F. Bonnefon, C. Breazeal, J.W. Crandall, N.A. Christakis, I.D. Couzin, M.O. Jackson, N.R. Jennings, E. Kamar, I.M. Kloumann, H. Larochelle, D. Lazer, R. McElreath, A. Mislove, D.C. Parkes, A. Pentland, M.E. Roberts, A. Shariff, J.B. Tenenbaum, M. Wellman, “Machine Behavior,” ***Nature*** 568: 477-486 (April 2019)
- 196 T. VanderWeele and N.A. Christakis, “Network Multipliers in Public Health,” ***International Journal of Epidemiology*** 48(4): 1032-1037 (August 2019)
- 197 T.P. Zhang, F. Yang, W. Tang, M. Alexander, L. Forastiere, N. Kumar, K. Li, F. Zou, L. Yang, G. Mi, Y. Wang, W. Huang, A. Lee, W. Zhu, P. Vickerman, D. Wu, B. Yang, N.A. Christakis, and J.D. Tucker, “Pay-It-Forward Gonorrhea and Chlamydia Testing Among Men Who Have Sex with Men in China: A Study Protocol for a Three-Arm Cluster Randomized Controlled Trial,” ***Infectious Diseases of Poverty*** 8: 76 (August 2019)
- 198 H. Shirado, G. Iosifidis, and N.A. Christakis, “Assortative Mixing and Resource Inequality Enhance Collective Welfare in Sharing Networks,” ***PNAS: Proceedings of the National Academy of Sciences*** 116: 22442-22444 (November 2019)
- 199 H.B. Shakya, J. Weeks, and N.A. Christakis, “Do Village-Level Normative and Network Factors Help Explain Spatial Variability in Adolescent Childbearing in Rural Honduras?” ***SSM – Population Health*** 9: 100371 (December 2019)
- 200 A. Nishi, M. Alexander, J.H. Fowler, and N.A. Christakis, “Assortative Mating at Loci Under Recent Natural Selection in Humans,” ***BioSystems*** 187: 104040 (January 2020)
- 201 M.L. Traeger, S. Sebo, M. Jung, B. Scassellati, and N.A. Christakis, “Vulnerable Robots Positively Shape Human Conversational Dynamics in a Human-Robot Team,” ***PNAS: Proceedings of the National Academy of Sciences*** 117: 6370-6375 (March 2020)

- 202 S.K. Iwamoto, M. Alexander, M. Torres, M.R. Irwin, N.A. Christakis, and A. Nishi, “Mindfulness Meditation Activates Altruism,” *Scientific Reports* 10: 6511 (April 2020)
- 203 H. Shirado, F.W. Crawford, and N.A. Christakis, “Collective Communication and Behavior in Response to Uncertain ‘Danger’ in Network Experiments,” *Proceedings of the Royal Society A* 476: 20190685 (May 2020)
- 204 N. Kumar, L. Forastiere, T. Zhang, F. Yang, K.T. Li, W. Tang, J.D. Tucker, N.A. Christakis, and M. Alexander, “Lack of Sexual Disclosure May Distort STI Testing Outcomes,” *BMC Public Health* 20: 616 (May 2020).
- 205 J.S. Jia, X. Lu, Y. Yuan, G. Xu, J. Jia, and N.A. Christakis, “Population Flow Drives Spatio-Temporal Distribution of COVID-19 in China,” *Nature* 582: 389-394 (June 2020)
- 206 H.B. Shakya, G.L., Darmstadt, K.M. Baker, J. Weeks, and N.A. Christakis, “Social Normative and Social Network Factors Associated with Adolescent Pregnancy: A Cross-Sectional Study of 176 Villages in Rural Honduras,” *Journal of Global Health* 10: 010706 (June 2020)
- 207 H. Shirado and N.A. Christakis, “Network Engineering Using Autonomous Agents Increases Cooperation in Human Groups,” *iScience* 23: 101438 (August 2020)
- 208 F. Yang, T.P. Zhang, W. Tang, J.J. Ong, M. Alexander, L. Forastiere, N. Kumar, K.T. Li, F. Zou, L. Yang, G. Mi, Y. Wang, W. Huang, A. Lee, W. Zhu, D. Luo, P. Vickerman, D. Wu, B. Yang, N.A. Christakis, J.D. Tucker, “Pay-It-Forward Gonorrhea and Chlamydia Testing Among Men Who Have Sex with Men in China: A Randomised Controlled Trial,” *Lancet Infectious Diseases* 20: 976-982 (August 2020)
- 209 J. Derechin, S. Sankaran, and N.A. Christakis, “CurmElo: The Theory and Practice of a Forced-Choice Approach to Producing Preference Rankings,” *PLoS One* 16(5): e0252145 (May 2021)
- 210 J.S. Jia, Y. Li, X. Lu, Y. Ning, N.A. Christakis, and J. Jia, “Triadic Embeddedness Structure in Family Networks Predicts Mobile Communication Response to a Sudden Natural Disaster,” *Nature Communications* 12: 4286 (July 2021)
- 211 A. Lungeanu, M. McKnight, R. Negron, W. Munar, N. A. Christakis, and N.S. Contractor, “Using Trellis Software to Enhance High-Quality Large-Scale Network Data Collection in the Field,” *Social Networks* 66: 171–184 (July 2021)
- 212 S. Kumar, N.A. Christakis, R. Perez-Escamilla, “Household Food Insecurity and Health in a High-Migration Area in Rural Honduras,” *Social Science and Medicine – Population Health* 15: 100885 (September 2021)
- 213 S. V. Shridhar, M. Alexander, N.A. Christakis, “Characterizing Super-Spreaders Using Population-Level Weighted Social Networks in Rural Communities,” *Philosophical Transactions of the Royal Society A* 380: 20210123 (November 2021)
- 214 D. Feng, R. Altmeyer, D. Stafford, N.A. Christakis, and H.H. Zhou, “Testing for Balance in Social Networks,” *JASA: Journal of the American Statistical Association* 117: 156-174 (June 2022)

- 215 M.A. Alexander, L. Forastiere, S. Gupta, and N.A. Christakis, “Algorithms for Seeding Social Networks Can Enhance the Adoption of a Public Health Intervention in Urban India,” ***PNAS: Proceedings of the National Academy of Sciences*** 119 (30): e22120742119 (July 2022)
- 216 E. Awad, B. Bago, J.F. Bonnefon, N.A. Christakis, I. Rahwan, A. Shariff, “Polarized Citizen Preferences for Ethical Allocation of Scarce Medical Resources in 20 Countries,” ***Medical Decision Making Policy and Practice*** 7(2): (July 2022)
- 217 S. Takada, P.J. Krezanoski, V. Nyakato, V. Batwala, A.J. O'Malley, J.M. Perkins, A.C. Tsai, D.R. Bangsberg, N.A. Christakis, and A. Nishi, “Social Network Correlates of Free and Purchased Insecticide-Treated Bed Nets in Rural Uganda,” ***Malaria Journal*** 21(1): 350 (November 2022)
- 218 I. Grossman, M. Feinberg, D.C. Parker, N.A. Christakis, P.E. Tetlock, and W.A. Cunningham, “AI and the Transformation of Social Science Research,” ***Science*** 380 (6650): 1108-1109 (July 2023)
- 219 E.M. Feltham, L. Forastiere, M. Alexander, and N.A. Christakis, “Mass Gatherings for Political Expression Had No Discernable Association with the Local Course of the COVID-19 Pandemic in the USA in 2020 and 2021,” ***Nature Human Behavior*** 10: 1708-1728 (July 2023)
- 220 J. Jia, Y. Li, S. Liu, N.A. Christakis, and J.S. Jia, “Emergency Communications After Earthquake Reveal Social Network Backbone of Important Ties,” ***PNAS Nexus*** 2 (11): pgad358 (November 2023)
- 221 P. Diebold, M. Rhee, Q. Shi, H.N. Thi, N.A. Christakis, N. Iqbal, A. Ali, J. Mathad, and I.L. Brito, “Clinically Relevant Antibiotic Resistance Genes Are Linked to a Restricted Set of Taxa Within Gut Microbiome Worldwide,” ***Nature Communications*** 14: 7366 (November 2023)
- 222 A. Nishi, C.A. German, S.K. Iwamoto, and N.A. Christakis, “Status Invisibility Alleviates the Economic Gradient in Happiness in Social Network Experiments,” ***Nature Mental Health*** 1: 990-1000 (November 2023)
- 223 A. Ghasemian and N.A. Christakis, “The Enmity Paradox,” ***Scientific Reports*** 13: 20040 (November 2023)
- 224 S.V. Shridhar and N.A. Christakis, “Approaching Disease Transmission with Network Science,” ***Nature Reviews Bioengineering*** 2: 6-7 (November 2023)
- 225 H. Shirado, S. Kasahara, and N.A. Christakis, “Emergence and Collapse of Reciprocity in Semiautomatic Driving Coordination Experiments with Humans,” ***PNAS: Proceedings of the National Academy of Sciences*** 120 (51): e2307804120 (December 2023)
- 226 J. Baek, E. Baldina, K. Sung, S.H. Lee, N.A. Christakis, P. Bearman, H.C. Kim, S.H. Chu, E. Lee, Y.R. Park, J. Chey, Y.H. Choi, D. Lee, Y. Youm, “A Prospective Sociocentric Study of 2 Entire Traditional Korean Villages: The Korean Social Life, Health, and Aging Project (KSHAP),” ***American Journal of Epidemiology*** 193 (2): 241-255 (February 2024)
- 227 E. Airolidi and N.A. Christakis, “Induction of Social Contagion for Diverse Outcomes in Structured Experiments in Isolated Villages,” ***Science*** 384: eadi5147 (May 2024)

- 228 W. Oles, M. Alexander, R. Negron, J. Nelson, E. Iriarte, E.M. Airoidi, N.A. Christakis, and L. Forastiere, “Maternal and Child Health Interventions to Promote Behaviour Change: A Population-Level Cluster-Randomized Controlled Trial in Honduras,” *BMJ Open* 14: e060784 (June 2024)
- 229 A. Ghasemian and N.A. Christakis, “The Structure and Function of Antagonistic Ties in Social Networks,” *PNAS: Proceedings of the National Academy of Sciences* 121 (26): e2401257121 (June 2024)
- 230 A. Ueshima, M.I. Jones, and N.A. Christakis, “Simple Autonomous Agents Can Enhance Creative Semantic Discovery in Human Groups,” *Nature Communications* 14: 5212 (June 2024)
- 231 S.V. Shridhar, F. Beghini, M. Alexander, A. Singh, R.M. Juarez, I.L. Brito, and N.A. Christakis, “Environmental, Socioeconomic, and Health Factors Associated with Gut Microbiome Species and Strains in Isolated Honduras Villages,” *Cell Reports* 43: 114442 (July 2024)
- 232 A.L. Rodriguez, K.R. Cortez, A. Lu, B. Valentin, A. Ghasemian, and N.A. Christakis, “Systematic Review of Methods to Discern Antagonistic Ties in Social Networks in Community Settings,” *Social Sciences and Humanities Open* 10: 101039 (July 2024)
- 233 M. I. Jones, N. A. Christakis, “Bringing Leaders of Network Subgroups Closer Together Does Not Facilitate Consensus,” *Scientific Reports* 14: 30183 (December 2024)
- 234 B. Lengyel, G. Toth, N.A. Christakis, and A. Biro, “Antidepressant Use in Spatial Social Networks,” *Science Advances* 10: eadr0302 (December 2024)
- 235 F. Beghini, J. Pullman, M. Alexander, S.V. Shridhar, D. Prinster, A. Singh, R.M. Juarez, E. Airoidi, I.L. Brito, and N.A. Christakis, “Gut Microbiome Strain-Sharing Within Isolated Village Social Networks,” *Nature* 637: 167-175 (January 2025)
- 236 H. Shirado, K. Shimizu, N.A. Christakis, S. Kasahara, “Realism Drives Interpersonal Reciprocity but Yields to AI-Assisted Egocentrism in a Coordination Experiment,” *Proceedings of the 2025 CHI Conference on Human Factors in Computing Systems* (CHI’25), April 26–May 1, 2025, Yokohama, Japan. ACM, New York, NY, USA
- 237 S. V. Shridhar, S.T. Lee, Y. Charette, G. Iosifidis, and N.A. Christakis, “Network-Cycle Motif Participation Is Associated with Individual and Collective Wealth in Honduran Villages,” *Scientific Reports* 15: 27680 (July 2025)
- 238 E. Feltham, L. Forastiere, N.A. Christakis, “Cognitive Representations of Social Networks in Isolated Villages,” *Nature Human Behavior* 9: 1737-1753 (August 2025)
- 239 L.J. Thomas, N.A. Christakis, and F. Garip, “Social Networks and International Migration in Honduran Villages,” *PNAS: Proceedings of the National Academy of Sciences* 123: e2505818122 (January 2026)
- 240 F. Beghini, I. Brito, M. Gerstein, and N.A. Christakis, “Characterization of Gut Microbiome in Rural Honduras Reveals Novel Species and Associations with Human Genetic Variation,” *Cell Reports* 45: 116724 (January 2026)

- 241 D.T. Schroeder, M. Cha, A. Baronchelli, N. Bostrom, N.A. Christakis, D. Garcia, A. Goldenberg, Y. Kyrychenko, K. Leyton-Brown, N. Lutz, G. Marcus, F. Menczer, G. Pennycook, D.G. Rand, M. Ressa, F. Schweitzer, C. Summerfield, A. Tang, J.J. Van Bavel, S. van der Linden, D. Song, J.R. Kunst, “How Malicious AI Swarms Can Threaten Democracy,” *Science* 391: 354-357 (January 2026)
- 242 V. Krishna and N.A. Christakis, “Countering the Forgetting of Novel Health Information with ‘Social Boosting,’” *Social Science and Medicine – Population Health* 33: 101902 (March 2026)
- 243 F. Fu, X. Chen, and N.A. Christakis, “On the Optimal Integration of Intelligent Agents into Network Systems to Steer Cooperation,” *PNAS: Proceedings of the National Academy of Sciences* 123: e2537939123 (March 2026)
- 244 N. Nakis, N.A. Christakis, S. Lehmann, and M. Morup, “Modeling Roles and Trade-Offs in Multiplex Networks,” *Nature Communications* 17: 3622 (March 2026)
- 245 M. Rudnev, A.L. Rodriguez, R. Barnett, N.A. Christakis, and I. Grossman, “Measuring Intellectual Humility Through Situated Behavior: An Alternative to Dispositional Self-Reports,” *Behavior Research Methods* 58: 150 (May 2026)
- 246 H.W. Schroer, F. Beghini, J.A.R. Garay, N.A. Christakis, and D.E. Bosch, “Metagenomic Polymorphic Toxin Effector and Immunity Profiling Predicts Microbiome Development and Disease-Related Dysbiosis,” *mSystems* 11(6): e00305-26 (May 2026)
- 247 Y. Hsiao and N.A. Christakis, “An Influence ‘Paradox’ of Social Networks: When More Ties Lead to Less Change,” *ASR: American Sociological Review* 91(3): 464-489 (June 2026)
- 248 S. Lee, M. Papamichalis, A. K. Raygoza-Cortez, N.A. Christakis, A.L. Rodriguez, “Social Network Structure and Depression by Gender in Rural Honduras: A Cross-Sectional Study,” *BMJ Open* 16 (6): e108285 (June 2026)
- 249 V. Satarifard, L. Sisson, Y. Han, P. Ilídio, M. Hladis, M. Lalis, X. Song, W. Yin, A. Ravia, C. X. Zheng, G. Andreoletti, J. Albrecht, R. Pellegrino, Z. Wang, S. Yang, R. D’hondt, A. Ghinis, J. de Boer, F. K. Nakano, A. Gharahighehi, DREAM Olfactory Mixtures Prediction Consortium, B. Sanchez-Lengeling, A. Keller, L. B. Vossahl, S. Fiorucci, A. Tewari, J. Topin, C. Vens, M. Björkman, D. Kragic, N. Sobel, N. A. Christakis, J. D. Mainland, and P. Meyer, “A Semantic Based Community Model for High-Fidelity Tuning of Olfactory Mixture Distances,” *PNAS: Proceedings of the National Academy of Sciences* 123 (32): e2611057123 (August 2026)
- 250 M. Papamichalis, L. Forastiere, E.M. Airolidi, and N.A. Christakis, “Educational Intervention Can Re-Wire Village Social Networks,” *Nature* in press (2026)
- 251 N. Nakis, S. Lehmann, M. Morup, and N.A. Christakis, “Multiplex Mapping of Social Roles in Isolated Honduran Village Networks,” *PNAS: Proceedings of the National Academy of Sciences* in press (September 2026)
- 252 N. Nakis, P. Promponas, K. Tsirkas, K. Mamali, E. Makri, L. Tassioulas, and N.A. Christakis, “Rank Is Not Capacity: Spectral Occupancy for Latent Graph Models,” *Advances in Neural Information Processing Systems (NeurIPS 2026)*, (December 2026)

- 253 E. Makri, N. Nakis, L. Sisson, G. Minsky, L. Tassiulas, V. Satarifard, and N.A. Christakis, “Benchmark for Assessing Olfactory Perception of Large Language Models,” *Advances in Neural Information Processing Systems (NeurIPS 2026)*, (December 2026)

Book Chapters:

- 1 N.C. Ware, N.A. Christakis, and A. Kleinman, “An Anthropological Approach to Social Science Research on the Health Transition,” in L.C. Chen, A. Kleinman, and N. Ware, eds., *Advancing Health in Developing Countries: The Role of Social Research*, New York, NY: Auburn House Publishing Co., 1992, pp. 23-38.
- 2 N.A. Christakis, N.C. Ware, and A. Kleinman, “Illness Behavior and the Health Transition in the Developing World,” in L.C. Chen, A. Kleinman, and N. Ware, eds., *Health and Social Change in International Perspective*, Cambridge, MA: Harvard University Press, 1994, pp. 275-302.
- 3 N.A. Christakis and R.J. Levine, “Multinational Research,” in W.T. Reich, ed., *Encyclopedia of Bioethics*, revised edition, New York, NY: Macmillan Publishing Co., 1995, pp. 1780-1787.
- 4 N.A. Christakis, “The Distinction Between Ethical Pluralism and Ethical Relativism: Implications for the Conduct of Transcultural Clinical Research,” in H.Y. Vanderpool, ed., *Research Ethics on Human Subjects: Facing the 21st Century*, Frederick, MD: University Publishing Group, 1996, pp. 261-280.
- 5 N.A. Christakis, “Managing Death: The Growing Acceptance of Euthanasia in Contemporary American Society,” in R.P. Hamel and E.R. DuBose, eds., *Must We Suffer Our Way to Death? Cultural and Theological Perspectives on Death by Choice*, Dallas, TX: Southern Methodist University Press, 1996, pp. 15-44.
- 6 E.B. Lamont and N.A. Christakis, “Epidemiology and Prognostication in Advanced Disease,” in A. Berger, R.K. Portenoy, and D.E. Weissman, eds., *Principles and Practice of Palliative Care and Supportive Oncology*, 2nd ed., Philadelphia: Lippincott Williams & Wilkins, 2002, pp. 607-614.
- 7 N.A. Christakis, “On the Sociological Anxiety of Physicians,” in C.M. Messikomer, J.P. Swazey, and A. Glicksman, eds., *Essays in Honor of Renee C. Fox: Society and Medicine*, New Brunswick, NJ: Transaction Publishers, 2003, pp. 135-144.
- 8 P. Glare and N.A. Christakis, “Predicting the Survival in Patients with Advanced Disease,” in D. Doyle, G. Hanks, N. Cherny, and K. Calman, eds., *Oxford Textbook of Palliative Medicine*, 3rd ed., Oxford: Oxford University Press, 2004, pp. 29-42.
- 9 N.A. Christakis, “Pronostic,” in D. Lecourt, ed., *Dictionnaire de la Pensée Médicale*, Paris: Presses Universitaires de France, 2004, pp. 910-916.
- 10 N.A. Christakis, “The Social Origins of Dignity in Medical Care at the End of Life,” in J. Malpas and N. Lickiss, eds., *Perspectives on Human Dignity: A Conversation*, London: Springer, 2008, 199-207.

- 11 N.A. Christakis and P.D. Allison, “Inter-Spousal Mortality Effects: Caregiver Burden Across the Spectrum of Disabling Disease,” in D.M. Cutler and D.A. Wise, eds., ***Health at Older Ages: The Causes and Consequences of Declining Disability Among the Elderly***, Chicago: University of Chicago Press, 2009, 455-477.
- 12 N.A. Christakis, “Evolution in Real Time,” in J. Brockman, ed., ***What Have You Changed Your Mind About?*** New York: Harper, 2009, 225-228.
- 13 N.A. Christakis, “The Anthroposphere,” in J. Brockman, ed., ***This Will Change Everything***, New York: Harper, 2010, 233-236.
- 14 N.A. Christakis, “There Is No New Self,” in J. Brockman, ed., ***Is the Internet Changing the Way You Think?***, New York: Harper, 2011, 202-204.
- 15 N.A. Christakis, “Social Networks Are Like the Eye,” in J. Brockman, ed., ***Culture: Leading Scientists Explore Societies, Art, Power, and Technology***, New York: Harper, 2011, 171-190.
- 16 N.A. Christakis, “Holism,” in J. Brockman, ed., ***This Will Make You Smarter***, New York: Harper, 2012, 81-83.
- 17 N.A. Christakis, “Out of the Mouths of Babes, or, Why Is the Sky Blue?,” in J. Brockman, ed., ***This Explains Everything***, New York: Harper, 2013, 305-307.
- 18 N.A. Christakis, “The Unavoidable Intrusion of Socio-Political Forces into Science,” in J. Brockman, ed., ***What Should We Be Worried About?*** New York: Harper, 2014, 421-423.
- 19 N.A. Christakis, “Human Culture as the First Artificial Intelligence,” in J. Brockman, ed., ***What to Think About Machines that Think*** New York: Harper, 2015, 347-349.
- 20 N.A. Christakis, “The Average,” in J. Brockman, ed., ***This Idea Must Die***, New York: Harper, 2015, 532-534.
- 21 N.A. Christakis, “Pluto Is a Bump in the Road,” in J. Brockman, ed., ***Know This: Today’s Most Interesting and Important Scientific Ideas, Discoveries, and Developments***, New York: Harper, 2017, 142-144.
- 22 N.A. Christakis, “Equipoise,” in J. Brockman, ed., ***This Idea Is Brilliant***, New York: Harper, 2018, 303-305.
- 23 N.A. Christakis, G.W. Imbens, J.H. Fowler, and K. Kalyanaraman, “An Empirical Model for Strategic Network Formation,” in B. Graham and A. dePaulo, eds., ***The Econometrics of Networks***, London: Elsevier, 2020, 123-148.

Books:

- 1 N.A. Christakis, ***Death Foretold: Prophecy and Prognosis in Medical Care***, Chicago, IL: University of Chicago Press, 1999. (Translated into Japanese.)
- 2 N.A. Christakis and J.H. Fowler, ***Connected: The Surprising Power of Our Social Networks and How They Shape Our Lives***, New York: Little Brown, 2009. (Translated into Chinese,

Croatian, Dutch, German, Greek, Hebrew, Hungarian, Indonesian, Japanese, Korean, Persian, Polish, Portuguese, Romanian, Russian, Spanish, Swedish, and Turkish.)

- 3 N.A. Christakis, *Blueprint: The Evolutionary Origins of a Good Society*, New York: Little Brown, 2019. (Translated into Arabic [forthcoming], Chinese, Dutch, German, Greek, Japanese, Korean, Portuguese, Romanian, Turkish, and Ukrainian.)
- 4 N.A. Christakis, *Apollo's Arrow: The Profound and Enduring Impact of Coronavirus on the Way We Live*, New York: Little Brown, 2020. (Translated into Greek, Italian, Japanese, Korean, Portuguese, Romanian, Swedish.)

Clinical Textbooks:

- 1 P. Glare and N.A. Christakis, eds., *Prognosis in Advanced Cancer*, Oxford, UK: Oxford University Press, 2008.
- 2 G. Hanks, N. Cherny, S. Kaasa, R. Portenoy, N.A. Christakis, and M. Fallon, eds., *Oxford Textbook of Palliative Medicine*, 4th ed., Oxford, UK: Oxford University Press, 2009.

Monographs:

- 1 N.A. Christakis, *Prognostication and Death in Medical Thought and Practice*, Ann Arbor, MI: University Microfilms, 1995. [Ph.D. dissertation]
- 2 N.A. Christakis, *Implicit Purposes of Proposals to Reform American Medical Education*, Philadelphia, PA: Medical College of Pennsylvania Press, 1995.

Letters, Book Reviews, Editorials, Comments, Essays, Columns, Notes, Interviews (Selected):

- 1 N.A. Christakis, "Textbook of Medical Ethics," [review] *Journal of General Internal Medicine* 5(6): 538-539 (1990)
- 2 N.A. Christakis, "Anthropology Should Inform Clinical Research Ethics," [letter] *Social Science and Medicine* 34(5): 589-590 (1992)
- 3 N.A. Christakis and R.C. Fox, "Informed Consent in Africa," [letter] *New England Journal of Medicine* 327(15): 1101-1102 (1992)
- 4 N.A. Christakis, J.A. Jacobs, and C.M. Messikomer, "Change from Specialist to Generalist," [letter] *Annals of Internal Medicine* 122(8): 636 (1995)
- 5 N.A. Christakis and J.J. Escarce, "Medicare Hospice Programs," [letter] *New England Journal of Medicine* 335(25): 1926-1927 (1996)
- 6 N.A. Christakis, "Inventing Pain Medicine: From the Laboratory to the Clinic," [review] *American Journal of Sociology* 105(4): 1246-1248 (2000)

- 7 T.J. Iwashyna and N.A. Christakis, “Physicians, Patients, and Prognosis,” [editorial] *Western Journal of Medicine* 174(4):253-254 (2001)
- 8 T.J. Iwashyna and N.A. Christakis, “Signs of Death,” [editorial] *Journal of Palliative Medicine* 4(4):451-452 (2001)
- 9 E.B. Lamont and N.A. Christakis, “Prognostic Disclosure,” [letter] *Annals of Internal Medicine* 137(5): 368-367 (2002)
- 10 N.A. Christakis, “The Word as Scalpel: A History of Medical Sociology,” [review] *American Journal of Sociology* 111(1): 318-319 (2005)
- 11 L.J. Kristjanson and N.A. Christakis, “Investigating Euthanasia: Methodological, Ethical, and Clinical Considerations,” [editorial] *Palliative Medicine* 19(8): 575-577 (2005)
- 12 N.A. Christakis and P.D. Allison, “Mortality After the Hospitalization of a Spouse,” [letter] *New England Journal of Medicine* 354 (20): 2190-2191 (2006)
- 13 N.A. Christakis, “Advances in Palliative Care Research Methodology,” [editorial] *Palliative Medicine* 20(8): 725-726 (2006)
- 14 N.A. Christakis and J.H. Fowler, “The Spread of Obesity in a Social Network,” [letter] *New England Journal of Medicine* 357 (18): 1867-1868 (2007)
- 15 N.A. Christakis, “Social Networks Are Like the Eye,” [interview] available at www.edge.org, at http://www.edge.org/3rd_culture/christakis08/christakis08_index.html (2007)
- 16 N.A. Christakis, “What Networks Can Teach Us About Drug Use,” [column] *British Medical Journal* 336: 420 (2008)
- 17 N.A. Christakis, “Don’t Just Blame the System,” [column] *British Medical Journal* 336: 747 (2008)
- 18 N.A. Christakis, “Medicine Can Change Our Genes,” [column] *British Medical Journal* 336: 1101 (2008)
- 19 N.A. Christakis, “Health Care in a Web,” [column] *British Medical Journal* 336: 1468 (2008)
- 20 N.A. Christakis, “Too Quietly Into the Night,” [column] *British Medical Journal* 337: 326 (2008)
- 21 N.A. Christakis, “Valuing the Well Connected,” [column] *British Medical Journal* 337: 725 (2008)
- 22 N.A. Christakis, “Does This Work for You?,” [column] *British Medical Journal* 337: 1025 (2008)
- 23 N.A. Christakis, “This Allergies Hysteria Is Just Nuts,” [column] *British Medical Journal* 337: 1384 (2008)
- 24 N.A. Christakis, “The Dynamics of Personal Influence,” [note] *Harvard Business Review*, 87(2): 31 (2009)

- 25 N.A. Christakis, “The Anthroposphere is Changing,” [column] *British Medical Journal* 338: 918 (2009)
- 26 N.A. Christakis, “You Make Me Sick!” [column] *British Medical Journal* 339: 76 (2009)
- 27 N.A. Christakis, “Indirectly Doing Harm,” [column] *British Medical Journal* 339: 782 (2009)
- 28 M. Collins, S. Block, R. Arnold, and N.A. Christakis, “Responsibility and Reflection: Understanding Our Responses to Perceived Errors – A Response to Woodward, Lemer, and Wu,” *Social Science and Medicine* 69(9): 1294-1295 (November 2009)
- 29 J. Crabtree and N.A. Christakis, “Let’s All Be Friends,” [Essay] *Prospect*, February 24, 2010
- 30 N.A. Christakis and J.H. Fowler, “Contagion in Prescribing Behavior Among Networks of Doctors,” [comment] *Marketing Science* 30(2): 213-216 (April 2011); doi:10.1287/mksc.1100.0595
- 31 N.A. Christakis, “Jumping to Conclusions,” [review] *New York Times Book Review* June 26, 2011, page BR10
- 32 L. G. Miller and N.A. Christakis, “Tapping the Power of Social Networks,” [note] *Harvard Business Review* (September 2011) <http://hbr.org/2011/09/tapping-the-power-of-social-networks/ar/1>
- 33 N.A. Christakis, “Putting the Social into Science: Forget about Nature vs. Nurture, the Answer Lies in Between,” [essay] *Time*, December 19, 2011, page 28.
- 34 J.H. Fowler and N.A. Christakis, “A Random World Is a Fair World,” [comment] *PNAS: Proceedings of the National Academy of Sciences* 110(7): 2440-2441 (February 2013) doi: 10.1073/pnas.1222674110
- 35 N.A. Christakis and J.H. Fowler, “Rejoinder to Commentaries on ‘Social Contagion Theory’,” [comment] *Statistics in Medicine*, 32(4): 597-599 (February 2013)
- 36 A. Nishi and N.A. Christakis, “Human Behavior Under Economic Inequality Shapes Inequality,” *PNAS: Proceedings of the National Academy of Sciences*, 112(52): 15781-15782 (December 2015)
- 37 N.A. Christakis, “The Lure of Luxury,” [essay] *Boston Review* 40(6): 22 (November, 2015)
- 38 H.B. Shakyia and N.A. Christakis, “A New, More Rigorous Study Confirms: The More You Use Facebook, the Worse You Feel,” [essay] *Harvard Business Review*, April 10 (2017)

Patents:

- 1 H. Pinsky, S.S. Sheldon, N.A. Christakis, and M. Schmertzler, “Radiological Image Interpretation Apparatus and Method,” # 5,469,353; # 5,513,101 (1995)
- 2 D. Centola and N.A. Christakis, “Establishing a Social Network,” # US8713143 B2 (2007)

- 3 N. Chawla, A.L. Barabasi, and N.A. Christakis, “Disease Prediction Using Collaborative Filtering,” #8,504,343 (2008)
- 4 N.A. Christakis and J.H. Fowler, “Social Network Method for Anticipating Epidemics and Trends,” submitted (2010)
- 5 N.A. Christakis, M.L. Barnett, and B. E. Landon, “Method for Using Physician Social Networks Based on Common Patients to Predict Cost and Intensity of Care in Hospitals,” submitted (2011)
- 6 N.A. Christakis and H. Shirado, “Configuring and Operating Computerized Agents to Communicate in a Network,” submitted (2018)

Working Papers:

- 1 V. Satarifard, and N. A. Christakis, “Mapping Human Odor and Olfaction into Social Networks” in preparation
- 2 Y. Shi, E.M. Airolidi, and N.A. Christakis, “Network Multiplexity Provides Crucial Pathways for Experimentally Induced Social Contagion,” under review
- 3 N. Nakis, E. Liu, M. Alexander, and N.A. Christakis, “Facial Homophily in Human Social Networks,” working paper
- 4 A.L. Rodriguez, M. Papamichalis, K. Raygoza-Cortez, and N.A. Christakis, “Forgetting Friends and Foes: Self-Reported Errors in Sociocentrally Mapped Village Networks,” working paper
- 5 A. Ghasemian, H. Shirado, N.D. Anderson, and N.A. Christakis, “A Network of Warring States: Antagonism and the Emergence of Stability in Medieval Japan,” working paper
- 6 S.V. Shridhar, G. Iosifidis, Y. Charette, F. Beghini, and N.A. Christakis, “Social Network Cycle Motifs and Gut Microbiome Strain-Sharing,” under revision
- 7 E. Feltham and N.A. Christakis, “Expecting Homophily in Cognitive Social Networks,” under review
- 8 M.L. Traeger and N.A. Christakis, “The Geography of Antagonism in Rural Villages,” working paper
- 9 A.L. Rodriguez, A.K. Raygoza-Cortez, Williams-Ceci, N.A. Christakis, “Population Size and Health Knowledge Uptake in Rural Honduras,” working paper
- 10 M. Papamichalis, N.A. Christakis, and F. Fu, “Heterogeneity and Bifurcation in Repeated Public-Goods Game: Evidence from 134 Honduran Villages,” under review
- 11 A. Oaks, M. Jones, K. Xu, F. Fu, N.A. Christakis, “The Minimal Group Paradigm Revisited: On the Design and Testing of AI-Generated Preference-Indifferent Avatars for Online Experiments,” under review

- 12 F. Beghini and N.A. Christakis, “Phylogenetic Signatures and Genetic Determinants of Gut Species Transmissibility,” *ISME Host Microbe* under revision (2026)
- 13 B.C. Neubert, C. Choo-Kang, B. Petrone, S. Jiang, O.W. Osborne, A. Subramanian, M. Gedye, D. Cohen, K. Muhsen, F. Beghini, I. L. Brito, N.A. Christakis, J. Carl, L. de Torres, D. Glades, D. Ronquillo, A. Louies, P. Dalisay, J. Paolo, H. Labrador, N. Lyn, C. Santos, J.S. Nacis, M.L. Madrid, B. Layden, A. Luke, P. Bovet, E. Lambert, D. Rae, K. Bedu-Addo, T. Forrester, J. Gilbert, L. Dugas, L. David, “A Species-Based Approach Yields Objective Measures of Healthy Diets Worldwide,” under revision
- 14 V. Satarifard, F. Baumann, G. Minsky, L. Sisson, L.M. Haux, C. Laudamiel, and N.A. Christakis, “Cultural Evolution in Perfumes since 1900,” working paper
- 15 M. Papamichalis, N. Nakis, and N.A. Christakis, “Deep Description of Static and Dynamic Ties in Honduran Villages,” *Journal of Complex Networks*, under revision
- 16 C. Hammond, M.I. Jones, A.K. Xu, F. Fu, and N. A. Christakis, “Coevolution of Homophily and Cooperation,” in preparation
- 17 S. V. Shridhar, F. Beghini, A.L. Rodriguez, W. Oles, N.A. Christakis, “Depression, Social Networks, and the Microbiome in Honduras and the Netherlands,” working paper
- 18 A.K. Raygoza-Cortez, M. Papamichalis, W. Williams-Ceci, R. Cardenas, N.A. Christakis, A.L. Rodriguez, “Wife Beating Beliefs and Social Network Structure in Honduras,” in preparation
- 19 F. Beghini, A.L. Rodriguez, A.K. Raygoza-Cortez, R. Reddy, N.A. Christakis, “Social Networks Flourishing, Mental Health, and the Microbiome,” in preparation
- 20 J.S. Jia, Y. Li, Y. Yuan, X. Dai, N.A. Christakis, and J. Jia, “Social Constraints on Human Mobility and Inequality in High-Speed Rail,” working paper
- 21 J. Jia, Y. Yuan, N.A. Christakis, and J.S. Jia, “Risk Perception and Behavior Change Trade-Offs after Personal Vaccination for COVID-19 in the USA in 2021,” working paper