

## NICHOLAS J. SANDERS

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### Current Positions

Assistant Professor, Dept. of Economics and Brooks School of Public Policy, Cornell University (2015- )  
Faculty Research Fellow, National Bureau of Economic Research (2017- )  
Editorial Council, Journal of the Assoc. of Environmental and Resource Economists (2014- )

### Prior Positions

Assistant Professor, Dept. of Economics, College of William and Mary (2012-2015)  
Postdoctoral Fellow, Stanford Institute for Economic Policy Research (2010-2012)

### Fields of Study

Environmental and Health Economics

### Education

Ph.D. Economics, University of California, Davis, 2010  
M.A. Economics, University of California, Davis, 2005  
B.A. Economics and Hispanic Studies, Lewis and Clark College, 2002

### Publications

- **Adaptation to Environmental Change: Agriculture and the Unexpected Incidence of the Acid Rain Program** (with Alan I. Barreca), forthcoming in the *American Economic Journal: Economic Policy*
- **Long-Run Pollution Exposure and Mortality: Evidence From the Acid Rain Program** (with Alan I. Barreca and Matthew Neidell), *Journal of Public Economics*, August 2021, Volume 200, 104440
- **Technology and the Effectiveness of Regulatory Programs Over Time: Vehicle Emissions and Smog Checks with a Changing Fleet** (with Ryan Sandler), *Journal of the Association of Environmental and Resource Economists*, May 2020, Volume 7, Number 3, pp. 587–618
- **Estimating Causal Effects of Particulate Matter Regulation on Mortality** (with Alan I. Barreca and Matthew Neidell), *Epidemiology*, March 2020, Volume 31, Number 2, pp. 160-167
- **Success is Something to Sneeze At: Influenza Mortality in Cities that Participate in the Super Bowl** (with Charles Stoecker and Alan I. Barreca), *American Journal of Health Economics*, Winter 2016, Volume 2, Number 1, pp. 125–143
- **Caution Drivers! Children Present: Traffic, Pollution, and Infant Health** (with Christopher R. Knittel and Douglas L. Miller), *Review of Economics and Statistics*, May 2016, Volume 98, Number 2, pp. 350–366
- **Under the Cover of Darkness: How Ambient Light Influences Criminal Activity** (with Jennifer L. Doleac), *Review of Economics and Statistics*, December 2015, Volume 97, Number 5, pp. 1093–1103

- **Where Have All the Young Men Gone? Using Sex Ratios to Measure Fetal Death Rates** (with Charles Stoecker), *Journal of Health Economics*, May 2015, Volume 41, pp. 30-45
- **Verifiable and Non-Verifiable Anonymous Mechanisms for Regulating a Polluting Monopolist** (with James E. Prieger), *Journal of Environmental Economics and Management*, November 2012, Volume 64, Number 3, pp. 410-426
- **What Doesn't Kill You Makes You Weaker: Prenatal Pollution Exposure and Educational Outcomes**, *Journal of Human Resources*, Summer 2012, Volume 47, Number 3, pp. 826-850
- **Ability, Gender, and Performance Standards: Evidence from Academic Probation** (with Jason M. Lindo and Philip Oreopoulos), *American Economic Journal: Applied Economics*, April 2010, Volume 2, Number 2, pp. 95-117

#### Working Papers in Revision

- **When Externalities Collide: Influenza and Pollution** (with Joshua Graff Zivin, Matthew Neidell, and Gregor Singer), available as NBER WP 27982
- **The Mortality Impact of Particulate Matter in China** (with Yazhen Gong, Shanjun Li, and Guang Shi)

#### Working Papers Under Review

- **The Causal Effect of Heat on Violence: Social Implications of Unmitigated Heat Among the Incarcerated** (with Anita Mukherjee), available as NBER WP 28987
- **Lead Exposure Reduces Academic Performance: Intensity, Duration, and Nutrition Matter** (with Alex Hollingsworth, Mike Huang, and Ivan Rudik), available as NBER WP 28250

#### Other Working Papers

- **Toxic Assets: How the Housing Market Responds to Environmental Information Shocks** (with Jeremy Moulton and Scott Wentland)

#### Work in Progress

- **Capitalization of Flood Insurance in Home Prices** (with Michael Lovenheim, Corbin Miller, and Zihan Hu)

#### Practitioner and Non-Peer Reviewed Articles

- **Hotter Temperaments: Prisons and Violence in a Warming World** (with Anika Mukherjee), *Econofact.org*, November 2021
- **Pollution, the Flu Shot, and Hospitalizations**, *Econofact.org*, February 2021
- **The Spread of COVID-19 Shows the Importance of Policy Coordination** (with Joshua Graff Zivin), *Proceedings of the National Academy of Sciences*, December 2020, Volume 117, Number 52, pp. 32842-32844
- **Clearing the Air on the Costs of Air Pollution**, *Econofact.org*, October 2019
- **Fighting Crime with Daylight Saving Time** (with Jennifer L. Doleac), *Brookings Now*, October 2015
- **Navigating the Roadblocks: Identifying the Health Effects of Traffic Pollution**, *Stanford Institute for Economic Policy Research Policy Brief*, September 2011

## Teaching

### Cornell University

- Introductory Microeconomics
- Microeconomics for Management (Master's Level)
- Microeconomics for Public Affairs (Master's Level)
- Economics and Environmental Policy
- Pollution, Climate, and Health

### College of William and Mary

- Introductory Microeconomics
- Industrial Organization
- Microeconomics of Public Policy (Master's Level)

### Stanford University

- Public Policy Senior Practicum
- Environmental Economics (Ph.D. Level)

### University of California, Davis

- Intermediate Macroeconomics
- Industrial Organization

## Awards, Honors, and Grants

Cornell Center for Social Sciences Faculty Fellow (2021-2022) Academic Venture Fund, Atkinson Center for a Sustainable Future (2019); Lone Mountain Fellowship, Property and Environment Research Center (2016); Summer Research Award, William and Mary (2014); Schroeder Health Center Small Grant (2013); Summer Research Award, William and Mary (2013); Roy J. Beaumont Departmental Award, UC Davis (2009); Graduate Travel Award, UC Davis (2009); Graduate Teaching Position Award, UC Davis (2008, 2009); Atmospheric Aerosols and Health Fellowship, UC Davis (2008); Dissertation Research Grant, UC Davis (2007); Summer Research Grant, Institute for Governmental Affairs, UC Davis (2007); Foundation for Teaching Economics Fellowship (2006); Phi Beta Kappa, inducted by Lewis and Clark College (2002); Honors in Hispanic Studies, Lewis and Clark College (2002); Dean's List, Lewis and Clark College (1999-2001); Dean's Scholar, Lewis and Clark College (1998-2002).

## Professional Activities

Reviewer: National Science Foundation

Member: American Economic Association, Assoc. of Environmental and Resource Economists

Referee (in approximate alphabetical order): *American Economic Journal: Applied Economics*; *American Economic Journal: Economic Policy*; *American Economic Review*; *American Journal of Agricultural Economics*; *Annals of Epidemiology*; *Annals of Regional Science*; *B.E. Journal of Economic Analysis and Policy*; *Bulletin of Economic Research*; *Canadian Journal of Economics*; *Child Development Perspectives*; *Contemporary Economic Policy*; *Demographic Research*; *Economic Inquiry*; *Economic Journal*; *Economics and Human Biology*; *Economics*

*Letters; Economics of Education Review; Education Economics; Education Evaluation and Policy Analysis; Empirical Economics; Environment and Development Economics; Environmental Research; Environmental and Resources Economics; European Journal of Health Economics; Evaluation Review; Global Epidemiology; Health Economics; Inter-Development Bank Series; International Journal of Environmental Research and Public Health; IZA World of Labor; Journal of the Association of Environmental and Resource Economists; Journal of Applied Biobehavioral Research; Journal of Applied Econometrics; Journal of Economic Behavior and Organization; Journal of Environmental Economics and Management; Journal of Environmental Planning and Management; Journal of the European Economic Association; Journal of Health Economics; Journal of Human Resources; Journal of Industrial Economics; Journal of Labor Economics; Journal of Political Economy; Journal of Policy Analysis and Management; Journal of Population Economics; Journal of Public Economics; Journal of Regulatory Economics; Journal of Urban Economics; Land Economics; PLOS Medicine; Proceedings of the National Academy of Sciences; Quarterly Journal of Economics; Review of Economics and Statistics; Science; Science Advances; Social Science Research; Sustainability; Sustainable Cities and Society; William and Mary Policy Review*