Alex Hollingsworth

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Academic appointments

The Ohio State University, Columbus, OH

Associate Professor

Department of Agricultural, Environmental, and Development Economics	2023 -
Department of Economics (joint appointment)	2023 -
John Glenn College of Public Affairs (courtesy appointment)	2025 -
John Glenn College of Public Affairs (joint appointment)	2023 - 2025

Indiana University, Bloomington, IN

Associate Professor, O'Neill School of Public and Environmental Affairs	2021 - 2023
Assistant Professor, O'Neill School of Public and Environmental Affairs	2015 - 2021

Education

University of Arizona, Tucson, AZ

Ph.D., Economics	2015
M.A., Economics	2011

Miami University, Oxford, OH

B.S., Quantitative Economics	2009
B.A., Diplomacy and Foreign Affairs	2009

Other professional appointments/affiliations

Environmental Protection Agency

Science Advisory Board and Economic Analysis Committee	2026 -

National Bureau of Economic Research

Research Associate	2022 -
Faculty Research Fellow	2021 - 2022

Journal of Policy Analysis and Management, Co-Editor 2022 -

Journal of Health Economics

Editor	2024 -
Associate Editor	2023 - 2024

Irsay Institute, Senior Research Program Leader, Climate & Environment, 2022 - 2023

Ostrom Workshop in Political Theory and Policy, Affiliated faculty, 2018 - 2023

RAND Corporation, Adjunct Researcher, 2016 - 2019

Working papers:

1. Hollingsworth, Alex., Alberto Ortega, and Nikos Zirogiannis. "Decoding Success: Phonics-based instruction and student achievement."
2. Harrell, Ben., Alex Hollingsworth, Sam Mann, Shyam Raman, and Katherine Wen. "Public Insurance and the Spread of Infectious Disease." Reject and resubmit at the **Journal of Public Economics**.
3. Wing, Coady. Alex Hollingsworth, and Seth Freedman. "Stacked difference-in-differences."
4. Hollingsworth, Alex., and Coady Wing. "Tactics for design and inference in synthetic control studies: An applied example using high-dimensional data."

Publications

1. Hollingsworth, Alex., Taylor Jaworski, Carl Kitchens, and Ivan Rudik. 2026. "Economic Geography and Air Pollution Regulation in the United States." **Journal of Political Economy: Microeconomics**.
DOI: https://doi.org/10.1086/735784
(Earlier version released as NBER Working Paper No. 29845)
2. Hollingsworth, Alex., Mike Huang, Ivan Rudik, and Nick Sanders. 2025. "A thousand cuts: Cumulative lead exposure and academic achievement." **Journal of Human Resources**
DOI: https://doi.org/10.3368/jhr.0222-12169R2
(Earlier version released as NBER Working Paper No. 28250)
3. Clay, Karen., Alex Hollingsworth, and Edson Severnini. 2024. "The impact of lead exposure on fertility, infant mortality, and infant birth outcomes." **Review of Environmental Economics and Policy.**
DOI: https://doi.org/10.1086/730854
(Earlier version released as NBER Working Paper No. 31379)
4. Hollingsworth, Alex., Chris Karbownik, Melissa Thomasson, and Anthony Wray. 2024. "The gift of a lifetime: the hospital, modern medicine, and mortality." **American Economic Review**.
DOI: https://doi.org/10.1257/aer.20230008
(Earlier version released as NBER Working Paper No. 30663)
5. Wing, Coady., Madeline Yozwiak, Alex Hollingsworth, Seth Freedman, and Kosali Simon. 2024. "Designing difference in difference studies with staggered treatment adoption: Key concepts and practical guidelines." **Annual Review of Public Health**.
DOI: https://doi.org/10.1146/annurev-publhealth-061022-050825
(Earlier version released as NBER Working Paper No. 31842)
6. Zirogiannis, Nikos., April Byrne, Alex Hollingsworth, and David Konisky. 2023. "Polluting under the radar: Emissions, inequality, and concrete batch plants in Houston." **Environmental Science & Technology**.
DOI: https://doi.org/10.1021/acs.est.3c04412
7. Hollingsworth, Alex., David Konisky and Nikolaos Zirogiannis. 2023. "Excess emissions: Environmental impacts, health effects, and policy debate." **Review of Environmental Economics and Policy**.
DOI: https://doi.org/10.1086/723885
8. Hollingsworth, Alex., Ashley Bradford and Coady Wing. 2022. "Comparative effects of recreational and medical marijuana laws on drug use among adults and adolescents." **Journal of Law and Economics**.
DOI: https://doi.org/10.1086/721267.
9. Black, Bernard., Alex Hollingsworth, Letícia Nunes, and Kosali Simon. 2022."Simulated Power Analyses for Observational Studies: An Application to the Affordable Care Act Medicaid Expansion." **Journal of Public Economics**., Volume 213, 104713.
DOI: 10.1016/j.jpubeco.2022.104713
(Earlier version released as NBER Working Paper No. 25568)
10. Hollingsworth, Alex, and Ivan Rudik. 2021. "The Effect of Leaded Gasoline on Elderly Mortality: Evidence from Regulatory Exemptions." **American Economic Journal: Economic Policy**, 13 (3): 345-73.
DOI: 10.1257/pol.20190654.
11. Hollingsworth, Alex., David Konisky, and Nikos Zirogiannis. 2021."The health consequences of excess emissions: Evidence from Texas." **Journal of Environmental Economics and Management**. Volume 108 (102449)
DOI: 10.1016/j.jeem.2021.102449
12. Sacks, Dan., Alex Hollingsworth, Thuy Nguyen, and Kosali Simon. 2021."Can policy affect initiation of addictive substance use? Evidence from opioid prescribing." **Journal of Health Economics**. Volume 76. 102397.

DOI: 10.1016/j.jhealeco.2020.102397.
(Earlier version released as NBER Working Paper No. 25974)

13. Zirogiannis, Nikos., Daniel Simon, and Alex Hollingsworth. 2020."Estimating co-pollutant benefits from climate change policies in the electricity sector: An empirical approach." **Energy Economics**. Volume 90, August 2020, 104863.
DOI: 10.1016/j.eneco.2020.104863
14. Wing, Coady., Ashley Bradford, Aaron Carroll, and Alex Hollingsworth. 2020. "Association of state marijuana legalization policies for medical and recreational use and vaping associated lung disease." **JAMA: Network Open**. 3(4): e202187.
DOI: 10.1001/jamanetworkopen.2020.2187.
15. Wen, Hefei., Aparna Soni, Alex Hollingsworth, Seth Freedman, Joe Benitez, Kosali Simon, and Brendan Saloner. 2020. "Changes in Opioid-Related Hospital Use with Expansion of Medicaid." **JAMA: Internal Medicine**. 180(5): 1-7.
DOI: 10.1001/jamainternmed.2020.0473.
16. Hollingsworth, Alex., Kranz, Ashley., and Debbie Freund. 2020. "Care management reduced infant mortality for Medicaid managed care enrollees in Ohio." **American Journal of Managed Care**. 26(3):294-298
DOI: 10.37765/ajmc.2020.42637.
17. Lin, Lee-Kai., Simon, Kosali., Hollingsworth, Alex., and Brendan Saloner. 2019. "Association between the Number of Certified Buprenorphine Prescribers and the Quantity of Buprenorphine Prescriptions: Evidence from 2015 to 2017." **Journal of General Internal Medicine**. 34. Pages 2313–2315.
DOI: 10.1007/s11606-019-05165-6
18. Hollingsworth, Alex., Soni, Aparna., Carroll, Aaron., Cawley, John., and Kosali Simon. 2019. "Gains in health insurance coverage explain variation in Democratic vote share in the 2008-2016 presidential elections." **PLoS ONE** 14(4): e0214206.
DOI: 10.1371/journal.pone.0214206
19. Hollingsworth, Alex. and Ivan Rudik. 2019. "External Impacts of Local Energy Policy: The Case of Renewable Portfolio Standards." **Journal of the Association of Environmental and Resource Economists**. Volume 6, Number 1, Pages 187-213.
DOI: 10.1086/700419
20. Zirogiannis, Nikos., Alex Hollingsworth, and David Konisky. 2018. "Understanding Excess Emissions from Industrial Facilities: Evidence from Texas." **Environmental Science & Technology**. Volume 52, Number 5, Pages 2482-2490
DOI: 10.1021/acs.est.7b04887
21. Hollingsworth, Alex., Ruhm, Christopher J., and Kosali Simon. 2017. "Macroeconomic Conditions and Opioid Abuse." **Journal of Health Economics**. Volume 56, Pages 222-233.
DOI: 10.1016/j.jhealeco.2017.07.009.
(Earlier version released as NBER Working Paper No. 23192)
22. Gordon, Paul., Gray, Laurel., Hollingsworth, Alex., Shapiro, Eve., and James Dalen. 2017. "Opposition to Obamacare: A Closer Look." **Academic Medicine**. Volume 92, Issue 9, Pages 1241-1247.
DOI: 10.1097/ACM.0000000000001725.

Honorable Mention- Best Research Paper- Society of Teachers of Family Medicine, 2018

Non-refereed/non-academic publications:

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1. Nikos Zirogiannis, Alex Hollingsworth, and David Konisky, "Air pollution from industrial shutdowns and startups worse than thought," **The Conversation**, February 14, 2018.

Fellowships, grants, honors, & awards:

NOAA-OAR-WPO-2025-28598, "Human Health Impacts of Hurricanes and Hurricane Forecasts" ($447,290, Co-PI with Renato Molina) 2025-2027

Quality of Research Discovery Award by the Agricultural Applied Economics Association for "Gift of a Lifetime" 2025

Bloomberg Philanthropies, Lead exposure and mortality: Getting the timing right ($12,000) 2024-2025

Faculty Research Support Program, Seed Funding, Indiana University ($22,669) 2021-

with Nikos Zirogiannis, David Konisky, and Gabe Filippelli

APPAM, 40 for 40 Fellowship Recipient 2018

Faculty Seed Grant, Center for Research on Race and Ethnicity in Society Grant, Indiana Universtiy ($3,000) with Hsien-Chang Lin and Kosali Simon 2018

Grand Challenges: Responding to the Addictions Crisis Grant, Indiana University ($226,712) with Hsien-Chang Lin, Dan Sacks, and Kosali Simon 2018

Trustees' Teaching Award, Indiana University ($2,500) 2018

Exploratory Travel and Data Grant, Economic History Association ($2,500) 2013

Don Wells Teaching Fellowship ($1,000) 2014

Runner Up, Steve Manos Prize for best 2^{nd} Year Paper, University of Arizona 2012

Oxford Scholars Scholarship, Miami University 2005

Invited seminars and competitive conference presentations:

2026: West Virginia University, Department of Economics; Syracuse University, Department of Economics

2025: DC Health Economics seminar series, George Washington University; Vanderbilt University, Department of Economics; Miami University, Department of Economics; ASHEcon; Saint Vincent College, McKenna School of Business, Economics, and Government; North Carolina State University, Department of Economics; University of Kentucky, Department of Economics

2024: University of Massachusetts - Amherst, Department of Resource Economics; Jinan University, Institute for Economic and Social Research; Washington State University, Department of Economics; University of Buffalo, Department of Economics; University of Pittsburgh, Department of Economics; Instituto Tecnológico Autónomo de México, Department of Business Administration

2023: Marquette University, Department of Economics; Medtronic; University of Maryland, School of Public Policy; University of Texas at Austin, Environmental and Energy Economics and Policy Workshop; San Diego State University, Center for Health Economics & Policy Studies

2022: Environmental Protection Agency; Duke University, Triangle Health Economics Workshop; The Ohio State University, Department of Economics; Insper - Institute of Education and Research; Australian Health and Human Capital Seminar Series; The Ohio State University, Department of Agricultural, Environmental, and Development Economics; UC-Davis Agricultural and Resource Economics

2021: NBER Health Economics, Fall meeting; The Ohio State University, John Glenn College of Public Affairs; The Urban Institute; Florida State University, Department of Economics; Ohio University, Department of Economics

2020: Electronic Health Economics Colloquium (EHEC); NBER Environmental and Energy Economics Spring Meeting; University of Arizona, Department of Economics; AERE Session at AEA/ASSA Annual Meetings

2019: IU Mini Health Econ Conference; Annual Health Economics Conference; Environmental Protection Agency: National Center for Environmental Economics; ASHEcon, 8th Annual Conference; Miami University, Department of Economics; AERE Summer Conference; Midwest Health Economics Conference; University of Louisville, Department of Economics

2018 Heartland Environmental and Resource Economics Workshop; World Congress of Environmental and Resource Economists; ASHEcon, 7th Annual Conference; The Ohio State University, Department of Human Sciences; HERO Session at AEA/ASSA Annual Meeting

2017: IU/VU/Louisville Health Economics and Policy Conference; Association for Public Policy Analysis & Management, Annual Research Conference; European Association of Environmental & Resource Economists, Annual Meeting; Georgia State University, Andrew Young School of Policy Studies; AERE Session at AEA/ASSA Annual Meeting

2016: IU/VU Health Economics and Policy Conference; AcademyHealth Annual Research Meeting, Poster; ASHEcon Sixth Biennial Conference; AERE Summer Conference; Iowa State University, Department of Economics

2015: IU/VU Health Economics and Policy Conference; Heartland Environmental and Resource Economics Workshop, Poster; CU Environmental and Resource Economics Workshop; International Health Economics Association World Congress

2014: Southern Economic Association Annual Meetings; Economic History Association Annual Meetings, Poster; 5^{th} Lindau Nobel Laureate Meeting on Economic Sciences, Attendee; University of Wisconsin - La Crosse, Department of Economics

2013: World Congress of Cliometrics

Referee service:

Addiction; American Economic Journal: Applied Economics; American Economic Journal: Economic Policy; American Economic Review; American Economic Review: Insights; American Journal of Health Economics; American Journal of Accountable Care; American Journal of Managed Care; Climatic Change; Contemporary Economic Policy; Demography; Drug and Alcohol Dependence; Ecological Economics; Economic Inquiry; Economics & Human Biology; Energy Journal; Environment and Development Economics; Environmental Science & Technology; Forum for Health Economics & Policy; JAMA: Pediatrics; JAMA: Health Forum; JAMA: Network Open; Journal of the Association of Environmental and Resource Economists; Journal of Drug Issues; Journal of Economic Behavior and Organization; Journal of Economic Literature; Journal of Environmental Economics and Management; Journal of Health Economics; Journal of Human Resources; Journal of Law & Economics; Journal of Labor Economics; Journal of Policy Analysis and Management; Journal of Political Economy: Microeconomics; Journal of Population Economics; Journal of Public Economics; Journal of Public Health; Health Economics; Health Education & Behavior; Industrial Relations; International Journal of Public Sector Management; Northwestern University Law Review; PNAS; PNAS: Nexus; Quarterly Journal of Economics; Resource and Energy Economics; Review of Environmental Economics and Policy; Review of Economics of the Household; Review of Economic Studies; Social Science & Medicine; Sports Economic Review; World Medical and Health Policy.

Proposal review:

National Science Foundation
Research Council of Norway

Teaching:

The Ohio State University

ECON 1101: Using big data to solve economic and social problems	2023-
AEDECON 2001: Principles of food and resouce economics	2025-
AEDECON 8220: Frontiers in healh and environmental economics	2023-
PUBAFRS 3000: Public policy analysis	2023
AEDECON 6330: Cost-benefit analysis	2023

Indiana University

SPEA-H 124: Overview of the U.S. Health Care System	2015-2023
SPEA-H 455: Health Industry Regulation	2022
SPEA-H 524: Health Industry Regulation	2017-2023
SPEA-V 506: Statistical Analysis for Effective Decision Making	2018-2022
SPEA-P 764: Seminar in Policy Analysis	2021-2023

The University of Arizona

Economics 330: Macroeconomic and Global Institutions and Policy	2012
Economics 371: Economic Development	2013
Economics 323: The Economics of Sports	2014

Service:

Professional

- ASHEcon Program Chair 2025-
- ASHEcon Scientific Review Committee 2019-2024
- APPAM Program Committee 2019-
- APPAM Program Committee Co-chair 2023-
- NBER Summer Institute Co-organizer, Economics of Health Program 2023
- The Hidden Curriculum Podcast: Co-host and co-founder 2020-

  Podcast aimed towards graduate students and junior faculty that cover topics not formally taught in graduate school, but that are important for professional success.

Ohio State University

- Honors coordinator, AEDE 2025-
- Graduate program committee, AEDE 2025-
- Faculty council, AEDE 2025-
- Strategic Planning and Budget Committee Member, John Glenn College 2023-2024
- PhD Admissions committee member, John Glenn College 2023-2025

Indiana University

- Teaching Task Force, Member 2019-
- Undergraduate Programs Advisory Committee, Member 2015-
- Peer Teaching Observation Committee, Member 2021-
- Undergraduate Curriculum Committee, Member 2016-
- Strategic Planning Committee, Member and sub-committee co-chair 2020-
- Policy Analysis & Public Finance Speaker Series, Organizer 2016-2020

Advising:

Ad hoc

AERE Membership Committee	2024-
AEA Mentoring Program Mentor	2023-
AERE Scholars Program Mentor	2021-2022
ASHEcon Mentor Program	2021-2022
Association for Mentoring and Inclusion in Economics (AMIE)	2022-2023

Ohio State University

Doctoral

* Primary: Lingyan Hu (Economics 2029), Parisa Mokadam (Co-advisor with Brian Roe, AEDE 2029), Andrew Bergmann (AEDE 2027).
* Committee member: Roberto Kimura (AEDE 2029), Xufeng Liu (AEDE 2027), Vinka Dayanti (AEDE 2027), Wonguen Son (Economics 2027), Shinjini Pandey (AEDE 2025), Hongxi Zhao (AEDE 2025), Jongeun Park (AEDE 2025), Ran Li (2025).

Indiana University

Doctoral

* Committee Member: Madeline Yozwiak (2025), Adam Lazri (2025), Trevor Memmott (2024), Ashley Bradfrod (2023), Patrick Carlin (2023), Zhengyan (Ian) Li (2020), and Arthur Lin Ku (2020).

Undergraduate

* Shyam Raman (2020), Riley Melton (2022), Jenna DeVellis (2022), Evann Englert (2022), Nicholas Stevens (2023), Elizabeth McAvoy (2023), Eva Brungard (2024)

Other:

Professional associations: American Economic Association, American Society of Health Economists, Association of Environmental and Resource Economists, Association for Public Policy Analysis and Management

Citizenship: U.S.

Last updated: 24 April 2026