

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 (joint appointment) 2023 -

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

Current professional appointments

National Bureau of Economic Research

Research Associate 2022 -

Journal of Policy Analysis and Management

Co-Editor 2022 -

Journal of Health Economics

Editor 2024 -

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

Working papers:

4. Hollingsworth, Alex., Taylor Jaworski, Carl Kitchens, and Ivan Rudik. "Economic Geography and Air Pollution Regulation in the United States." Conditionally accepted at the **Journal of Political Economy: Microeconomics**.
3. 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**.
2. Wing, Coady. Alex Hollingsworth, and Seth Freedman. "Stacked difference-in-differences."
1. Hollingsworth, Alex., and Coady Wing. "Tactics for design and inference in synthetic control studies: An applied example using high-dimensional data."

Publications

21. Hollingsworth, Alex., Chris Karbownik, Melissa Thomasson, and Anthony Wray. “The gift of a lifetime: the hospital, modern medicine, and mortality.” Forthcoming at the **American Economic Review**. DOI: <https://doi.org/10.1257/aer.20230008>
(Earlier version released as NBER Working Paper No. 30663)
20. Wing, Coady., Madeline Yozwiak, Alex Hollingsworth, Seth Freedman, and Kosali Simon. “Designing difference in difference studies with staggered treatment adoption: Key concepts and practical guidelines.” Forthcoming at the **Annual Review of Public Health**. DOI: <https://doi.org/10.1146/annurev-publhealth-061022-050825>
(Earlier version released as NBER Working Paper No. 31842)
19. Clay, Karen., Alex Hollingsworth, and Edson Severnini. “The impact of lead exposure on fertility, infant mortality, and infant birth outcomes.” Accepted at **Review of Environmental Economics and Policy**.
(Earlier version released as NBER Working Paper No. 31379)
18. Hollingsworth, Alex., Mike Huang, Ivan Rudik, and Nick Sanders. “A thousand cuts: Cumulative lead exposure and academic achievement.” Forthcoming at the **Journal of Human Resources**. DOI: <https://doi.org/10.3368/jhr.0222-12169R2>
(Earlier version released as NBER Working Paper No. 28250)
17. 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>
16. 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>
15. 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>.
14. 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](https://doi.org/10.1016/j.jpubeco.2022.104713)
(Earlier version released as NBER Working Paper No. 25568)
13. 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](https://doi.org/10.1257/pol.20190654).
12. 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](https://doi.org/10.1016/j.jeem.2021.102449)
11. 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](https://doi.org/10.1016/j.jhealeco.2020.102397).
(Earlier version released as NBER Working Paper No. 25974)
10. 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

9. 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.
8. 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.
7. 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.
6. 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
5. 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
4. 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
3. Ziropiannis, 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
2. 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)
1. 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 Ziropiannis, Alex Hollingsworth, and David Konisky, "Air pollution from industrial shutdowns and startups worse than thought," **The Conversation**, February 14, 2018.

Previous professional appointments

Faculty Research Fellow, National Bureau of Economic Research	2021 - 2022
Senior Research Program Leader, Climate & Environment, Irsay Institute	2022 - 2023
Affiliated faculty, Ostrom Workshop in Political Theory and Policy	2018 - 2023
Adjunct Researcher, RAND Corporation	2016 - 2019

Fellowships, grants, honors, & awards:

Faculty Research Support Program, Seed Funding, Indiana University (\$22,669) with Nikos Zirogiannis, David Konisky, and Gabe Filippelli	2021-
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:

2024: University of Massachusetts - Amherst, Department of Resource Economics	
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 Worksho; 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; 5th 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: 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; Economic Inquiry; Economics & Human Biology; Energy Journal; 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 Public Economics; Journal of Public Health; Health Economics; Health Education & Behavior; Industrial Relations; International Journal of Public Sector Management; PNAS; PNAS: Nexus; 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 8220: Frontiers in health 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 Scientific Review Committee 2019-
 - 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

- Strategic Planning and Budget Committee Member, John Glenn College 2023-
- PhD Admissions committee member, John Glenn College 2023-

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

- 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: Andrew Bergmann (2027)
- * Committee member: Shinjini Pandey (2026), Jongeun Park (2025)

Indiana University

Doctoral

- * Committee Member: Zhengyan (Ian) Li (2020), Arthur Lin Ku (2020), Ashley Bradford (2023), Patrick Carlin (2023), Adam Lazri (2025), Trevor Memmott (2024), Madeline Yozwiak (2025), Eli Baratz (2025)

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: 22 May 2024