

SUMEDHA GUPTA

Department of Economics
Indiana University Indianapolis
425 University Boulevard
Indianapolis, IN 46260

Office: (312) 480-9677
Fax: (317) 274-0097
Email: sugupta@iu.edu
Web: sumedhagupta.net

EMPLOYMENT

Director, IU Health Economics Consortium
2024 –
Associate Professor, Department of Economics, Indiana University, Indianapolis,
2020 –
Assistant Professor, Department of Economics, Indiana University, Indianapolis,
2010 – 2020
On maternity leave: 2013-2014, 2015-2016.
Continuity Lead, Health Equity, Economics and Policy group, Irsay
Institute, Indiana University
Affiliate, IU Center for Global Health Equity, IU School of Medicine, 2023-
Affiliate Scientist, Center for Aging Research, Regenstrief Institute, IU
School of Medicine, 2018-
Adjunct Associate Professor, O’Neill School of Public and Environmental
Affairs, IU Bloomington, 2021-
Post-doctoral Fellow, Institute for Policy Research, Northwestern
University, 2009-2010

EDUCATION

Ph.D., Economics, Tinbergen Institute, Amsterdam, The Netherlands, 2010
M.Phil., Economics, Tinbergen Institute, Amsterdam, The Netherlands, 2006
M.A., Economics, Boston University, Boston MA, 2004
M.Sc. Economics and Financial Economics, University of Nottingham, U.K., 2002
B.A. Economics (Honors), Delhi University, India, 2001.

FIELDS OF INTEREST

Health Economics, Applied Microeconometrics

CURRENT RESEARCH TOPICS

Policy Responses to Public Health Crisis (e.g., COVID-19 pandemic and the opioid crisis),
Economics of (Cognitive) Aging, and Disparities in Health and Healthcare Access

PEER-REVIEWED JOURNAL ARTICLES († : student/ junior faculty mentee collaborator)

30. **Gupta S**, Behrer C, Wang V, Banthin JS, Bundorf MK. Resumption Of Medicaid Eligibility Redeterminations: Little Change In Overall Insurance Coverage. **Health Affairs** (Millwood). 2024 Nov;43(11):1518-1527. doi: 10.1377/hlthaff.2024.00641. Epub 2024 Oct 23. PMID: 39442020.

- 10.1377/hlthaff.2024.00641. <https://doi.org/10.1377/hlthaff.2024.00641>. [IF:9.700]
29. Gian, C., **Gupta, S.**, Simon, K. *et al.* Do workers undervalue COVID-19 risk? Evidence from wages and death certificate data. *Journal of Risk and Uncertainty* (2025). <https://doi.org/10.1007/s11166-024-09446-2>. [IF:1.3]
28. Bradford, AC. †, Nguyen TD, Schulson L, Dick A, **Gupta S**, Simon K, and Stein BD. “High-risk Opioid Prescribing in the Acute Pain Population: How Effective Are Recent State Opioid Control Policies?” *Journal of General Internal Medicine*. Forthcoming [IF:4.3]
27. Olvera Esquivel J, Lozano-Rojas FA, Ramos Pastrana JA, and Gupta S. Opioids Prescribing Restrictions and Homelessness: Evidence from Hydrocodone Rescheduling. *Journal of Housing Economics*. Forthcoming. [IF:1.400]
26. Miles J, Treitler P, Hermida R, Nyaku AN, Simon K, **Gupta S**, Crystal S, Samples H. Racial/ethnic disparities in timely receipt of buprenorphine among Medicare disability beneficiaries. 2023. *Drug and Alcohol Dependence*. Sep 14;252:110963. doi: 10.1016/j.drugalcdep.2023.110963. [IF:4.200]
25. Miles J, Treitler P, Lloyd J, Samples H, Mahone A, Hermida R, Gupta S, Duncan A, Baaklini V, Simon KI, Crystal S. Racial And Ethnic Disparities In Buprenorphine Receipt Among Medicare Beneficiaries, 2015-19. *Health Affairs* (Millwood). 2023 Oct;42(10):1431-1438. doi: 10.1377/hlthaff.2023.00205. PMID: 37782874; PMCID: PMC10910625. [IF:9.700]
24. **Gupta, Sumedha**, Thuy Nguyen, Patricia R. Freeman, and Kosali Simon. 2023. “Competitive Effects of Federal and State Opioid Restrictions: Evidence from the Controlled Substance Laws.” *Journal of Health Economics*, June, 102772. [IF:3.883] <https://doi.org/10.1016/j.jhealeco.2023.102772>.
- Featured in the [NBER Bulletin on Health, November 2020](#)
23. **Gupta S**, Perry B, Simon K. Trends in Abortion- and Contraception-Related Internet Searches After the US Supreme Court Overturned Constitutional Abortion Rights: How Much Do State Laws Matter? *JAMA Health Forum*. 2023 Apr 7;4(4):e230518. [IF: 11.5] doi: [10.1001/jamahealthforum.2023.0518](https://doi.org/10.1001/jamahealthforum.2023.0518).
22. Bundorf MK, Banthin JS, Kim CY, Gupta S. Employer-Sponsored Coverage Stabilized And Uninsurance Declined In The Second Year Of The COVID-19 Pandemic. *Health Affairs* (Millwood). 2023 Jan;42(1):130-139. doi: 10.1377/hlthaff.2022.01070. PMID: 36623213. [IF: 9.7] <https://doi.org/10.1377/hlthaff.2022.01070>.
21. Mazurenko O, Blackburn J, Zhang P, **Gupta S**, Harle C., Kroenke, K, Simon, K. (2022). Recent tapering from long-term opioid therapy and odds of opioid-related hospital use. Forthcoming *Pharmacoepidemiology and Drug Safety*. [IF: 2.732]
20. Davis-Ajami ML, Chang C-H, **Gupta S**, Khan BA, Solid CA, Sharu HE, Boustani M, Yates B, Simon K. "Mortality and Intensive Care Unit Discharge Location Among Patients with

Alzheimer's Disease and Related Dementia." Forthcoming *American Journal of Critical Care*. [IF: 2.207]

19. Nguyen TD, Ziedan E, Simon K, Miles J, Crystal S, Samples H, and **Gupta S**. "Racial and Ethnic Disparities in Buprenorphine and Extended-Release Naltrexone Filled Prescriptions During the COVID-19 Pandemic." *JAMA Network Open* 5, no. 6 (June 1, 2022): e2214765– e2214765. [IF: 13. 8]
<https://doi.org/10.1001/jamanetworkopen.2022.14765>.
18. **Gupta S**, Montenovo L[†], Nguyen T[†], Lozano-Rojas F[†], Schmutte I, Simon K, Weinberg BA, and Wing C. "Effects of Social Distancing Policy on Labor Market Outcomes." *Contemporary Economic Policy*. <https://doi.org/10.1111/coep.12582>. [IF:0.943]
 - **Media coverage:** [Evidence Grows of Lockdowns' Toll on Employment](#), June 8, 2020 The Wall Street Journal
17. Lee B, Yang K, Kaminski P, Peng S, Odabas M, **Gupta S**, Green Jr HD, Ahn YY, and Perry BL. Substitution of Nonpharmacologic Therapy With Opioid Prescribing for Pain During the COVID-19 Pandemic. *JAMA Network Open*. 2021;4(12):e2138453. doi:[10.1001/jamanetworkopen.2021.38453](https://doi.org/10.1001/jamanetworkopen.2021.38453) [IF: 13.353]
16. Mazurenko O, **Gupta S**, Blackburn J, Simon K, Harle CA. Long-term opioid therapy tapering: trends from 2014 to 2018 in a Midwestern State. *Drug and Alcohol Dependence*. Published online September 25, 2021:109108. doi:[10.1016/j.drugalcdep.2021.109108](https://doi.org/10.1016/j.drugalcdep.2021.109108) [IF: 4.492]
15. Nguyen TD, **Gupta S**, Andersen, MS, Bento AI, Simon KI, & Wing, C. (2021). Impacts of state COVID-19 reopening policy on human mobility and mixing behavior. *Southern Economic Journal*, 1– 29. <https://doi.org/10.1002/soej.12538> [IF: 1.596]
14. Bundorf, MK, **Gupta S**, and Kim C. [†]. "Trends in US Health Insurance Coverage During the COVID-19 Pandemic." *JAMA Health Forum* 2, no. 9 (September 3, 2021): e212487– e212487. <https://doi.org/10.1001/jamahealthforum.2021.2487>. [IF: 11.5]
13. **Gupta S**, Cantor JH, Simon KI, Bento AI, Wing C, and Whaley CM. "Vaccinations Against COVID-19 May Have Averted Up To 140,000 Deaths In The United States." *Health Affairs*, August 18, 2021, 10.1377/hlthaff.2021.00619. <https://doi.org/10.1377/hlthaff.2021.00619>. [IF:9.700]
 - **Media coverage:** See file [HERE](#). Ranked **top 5%** of all research outputs scored by Altmetric. [IU News](#) coverage. [Health Affairs' most read journal article of 2021](#). [Top 10 IU Research Impact Story of 2021](#).
12. **Gupta S**, Georgiou A, Sen S, Simon K, Karaca-Mandic P. US trends in COVID-19– associated hospitalization and mortality rates before and after reopening economies. *JAMA Health Forum*. 2021;2(6):e211262. [IF: 11.5]
doi:[10.1001/jamahealthforum.2021.1262](https://doi.org/10.1001/jamahealthforum.2021.1262).
11. **Gupta S**, Al Achkar M, and Ray B. (2021), Are prescription drug monitoring laws effective for all? Evidence from administrative data. *Contemporary Economic Policy*. <https://doi.org/10.1111/coep.12535>. [IF:0.943]
10. **Gupta S**, Nguyen TD, Raman S[†], et al. Tracking Public and Private Responses to the

- COVID-19 Epidemic: Evidence from State and Local Government Actions. *American Journal of Health Economics*. 2021;7(4):361-404. doi:[10.1086/716197](https://doi.org/10.1086/716197) [IF: 1.973]
9. Watson DP, Weathers T, McGuire A, Cohen AW, Huynh P, Bowes C, O'Donnell D, Brucker K and **Gupta S**. "Evaluation of an Emergency Department-Based Opioid Overdose Survivor Intervention: Difference-in-Difference Analysis of Electronic Health Record Data to Assess Key Outcomes." *Drug and Alcohol Dependence* 221 (April 1, 2021): 108595. <https://doi.org/10.1016/j.drugalcdep.2021.108595>. [IF:4.200]
 8. Carlin P[†], **Gupta S**, Sacks DW and Wing C. Partisan Differences in COVID-19 Prevalence Among Politicians Suggest Important Role for Protective Behaviors. **COVID ECONOMICS VETTED AND REAL-TIME PAPERS. ISSUE 70 25 FEBRUARY 2021**. [IF: n/a]
 7. Nguyen TD, **Gupta S**, Ziedan E[†], et al. Assessment of Filled Buprenorphine Prescriptions for Opioid Use Disorder During the Coronavirus Disease 2019 Pandemic. *JAMA Internal Med*. Published online December 21, 2020. doi:[10.1001/jamainternmed.2020.7497](https://doi.org/10.1001/jamainternmed.2020.7497) [IF:18.652]
 6. **Gupta S**, Simon K, and Wing C. "Mandated and Voluntary Social Distancing during the COVID-19 Epidemic." *Brookings Papers on Economic Activity*, 2020, no. 2 (2020): 269–326. <https://doi.org/10.1353/eca.2020.0011>. [IF:7.8]
 - **Media coverage:** Washington Post ([Governors' shutdowns did not cause the pandemic jobs crisis](#)) . [IU News](#) coverage.
 5. **Gupta S**, Cohen A, Lowder E[†] and Ray BR. (2020) Validating Imputation Procedures to Calculate Corrected Opioid-Involved Overdose Deaths. *Public Health Report*, Vol. 135(1) 124-131. [IF:3.117]
 4. **Gupta S**. 2018. Impact of Volunteering on the Cognitive Decline of the Elderly. *Journal of Economics of Aging*, Vol. 12 46-60. [IF: 1.911]
 - **Media coverage:** [Wall Street Journal](#), [Daily Mail](#) (U.K.)
 3. Al Achkar M, Grannis S, Revere D, MacKie P, Howard M, **Gupta S**. 2018. The Effects of State Rules on Opioid Prescribing in Indiana, *BMC: Health Services Research*. Vol 18(29). [IF: 2.655]
 2. Al Achkar M, Revere D, Dennis B, MacKie P, **Gupta S**, Grannis S. 2017. Exploring perceptions and experiences of patients who have chronic pain as state prescription opioid policies change: a qualitative study in Indiana. *BMJ Open*. Vol 0:e015083. doi: [10.1136/bmjopen-2016-015083](https://doi.org/10.1136/bmjopen-2016-015083). [IF: 2.692]
 1. van den Berg GJ, **Gupta S**. 2015. The role of marriage in the causal pathway from economic conditions early in life to mortality. *Journal of Health Economics*, Vol. 40: 141–158. [IF:3.883]

OTHER PUBLICATIONS

2. Osili U., Gupta S., Han X., King Bhetaria S., Daniels D., and Davis Kalugyer A., The giving environment: Giving during times of uncertainty. Indiana University Lilly Family School of Philanthropy. (2024). <https://doi.org/10.7912/RCQH-7C37>

1. **Gupta S.** [How many lives have coronavirus vaccines saved? We used state data on deaths and vaccination rates to find out.](#) *The Conversation*. October 15, 2021.

BOOK

1. **Gupta S.** 2010. *The Study of the Impact of Early Life Conditions on Later Life Events: A look across the individual's life course*. ISBN: 978 90 3610 179 0. Thela Research Series, Rozenberg Publishing Services, Amsterdam, The Netherlands.

ARTICLES UNDER REVIEW AT PEER REVIEWED JOURNALS

1. Cheng W, Patrick C[†], Carroll J[†], **Gupta S**, Lozano Rojas F[†], Montenovo M[†], Nguyen TD, et al. 2020. "Back to Business and (Re)Employing Workers? Labor Market Activity During State COVID-19 Reopenings." (Revision requested by *Industrial and Labor Relations Review*).
2. Lozano-Rojas F., Abraham A, **Gupta S**, and Bradford WD. "The Effect of Cannabis Laws on Access to Pain Medications Among Commercially Insured Patients in the United States." (Revision requested by *American Journal of Health Economics*)
3. **Gupta S.**, Maclean JC, Ruhm C., and Simon KI. "Time for healthcare: Evidence from paid sick leave mandates". (Under review.)

COMPLETED WORKING PAPERS

1. **Gupta S**, Bradford A[†], Laurito A, Cantor J, Simon K and Wing C. "Individual-Level CDC COVID-19 Surveillance Data: Promises and Pitfalls for Studying Racial Inequities"
2. **Gupta S**, Nguyen TD, Freeman PF and Simon KI. "Changes in Tramadol Prescribing Following Federal Scheduling".
3. **Gupta S**, Ziedan E., Nguyen TD, Simon K and Stein B. "U.S. Opioid Analgesic Prescribing During the COVID-19 Pandemic Response"
4. **Gupta S.** and Mazumder B. "The Effects of Prescription Drug Monitoring Programs on Labor Market Activity and Credit Outcomes"
5. Ziedan E., **Gupta S**, Soni A. Strong S., Tucker Edmonds B., Simon K. "Medicaid-Enrolled Mothers Saw Large Decreases in Prenatal Care Utilization During COVID-19 Pandemic"
6. "Health and Justice Trajectories among Overdose Fatalities", with Evan M. Lowder, Brad Ray, Titus Schleyer, Kosali Simon and Phil Huynh (in progress).

WORK IN PROGRESS

1. "If not from the doctor, then from the dentist. Unintended consequences of policy loopholes for the opioid epidemic", with Apurva Bendre[†] and Dennis Watson (in progress)
2. "Out of prescription opioids and into other drugs? The unintended consequences of stricter opioid prescribing laws on drug abuse", with Felipe Lozano Rojas[†], Morhaf Al Achkar, James Mowry and Kosali Simon (in progress).

3. “Food Insecurity and Cognitive Decline in the Elderly: Evidence from the SNAP Cycle”, with Sabrina Young[†] (in progress)
4. Medication use patterns during the Covid-19 pandemic (with M. Kate Bundorf, Salama Freed, Nancy Allen Lapointe, Hailemichael Shone[†] and Kosali Simon)
5. Labor Market Responses to New Health Risks: Evidence from Death Certificates with Occupation and Industry Information (With Coady Wing, Kosali Simon, Cong Gian[†] and Ryan Sullivan)
6. School Closures and Parental Mental Health (With Dario Salcedo and Kosali Simon)
7. Dual Epidemics: The Interaction of the Covid-19 Pandemic and the Opioid Crisis. (With Patrick Carlin, Meredith Adams, Kosali Simon and Elaine Hill)
8. The Impact of Opioid Restriction on Pain: Evidence from Prescription Drug Monitoring Programs (With David Beheshti, Felipe Lozano Rojas and Kosali Simon)

LARGE DATA EXPERIENCE

INPC, Optum, Symphony Health, INSPECT (IN PDMP), KASPER (KY PDMP), AAPCC National Poison Data System, ARCOS, mobility data (SafeGraph, Google Mobility, Apple Mobility, PlaceIQ), NCHS natality and mortality files, CMS Medicare and Medicaid claims.

PEER REVIEWED CONFERENCE PRESENTATIONS (* denotes in-rank)

2024: ***Gupta S**, Perry BL, and Simon KI. *Impact of Covid-19 on Alzheimer’s Disease and Related Dementias (ADRD) Burdens and their racial/ethnic disparities*. NBER Aging Program Meeting, Cambridge, MA. March 2024

***Gupta S**, Perry BL, and Simon KI. *Impact of Covid-19 on Alzheimer’s Disease and Related Dementias (ADRD) Burdens*. The American Society of Health Economics (ASHEcon) Annual Meeting, San Diego, CA, June 2024.

*Carlin P., **Gupta. S**, Adams M., Simon KI, Hill E. *Dual Epidemics: The Interaction of the Covid-19 Pandemic and the Opioid Crisis*. The American Society of Health Economics (ASHEcon) Annual Meeting, San Diego, CA, June 2024.

***Gupta S.**, Dario Salcedo, and Simon KI. *School Closures and Maternal Mental Health during the COVID-19 Pandemic: Evidence from Antidepressant Prescriptions*. The American Society of Health Economics (ASHEcon) Annual Meeting, San Diego, CA, June 2024.

***Gupta S.**, Han X., Osili U., and Wilhelm MO., *Giving during Crises*, Science of Philanthropy Initiative Annual Conference, Indianapolis, September 2024.

*Cai Sih-Ting, **Gupta S.**, Simon KI. *Does Racial Concordance between Opioid Use Disorder Patients and Their Physicians Impact Their Buprenorphine Initiation Following an Opioid Related Adverse Event?* The American Society of Health Economics (ASHEcon) Annual Meeting, San Diego, CA, June 2024.

***Gupta S.**, Yimin Ge, Matthew Eisenberg, Catherine Maclean. *Did the COVID-19*

Public Health Emergency (PHE) Medicaid Continuity Help Reduce Gaps in Postpartum Access to Treatment for Opioid Use Disorder? Association for Public Policy Analysis and Management (APPAM) Annual Conference, National Harbor, MD, November 2024.

***Gupta S.**, Aditya James, Kosali Simon, Jennifer Miles, Stephen Crystal, Hillary Samples and Mathew Aalsma. Trends in Evidence-Based Substance Use Disorder Service Utilization by Youth Involved in the Legal System Before and After Implementation of a Learning Health System Alliance. Addiction Health Services Research (AHSR) Annual Conference. San Francisco, CA, November 2024.

***Gupta S.**, Han X., Osili U., and Wilhelm MO., *PPS drop in giving rate 2018 to 2020: Downward trend, COVID crisis, measurement redesign.* ARNOVA Annual Conference, Washinton D.C. November 2024.

2023: ***Gupta S**, Simon KI. *Did the COVID-19 Public Health Emergency (PHE) Medicaid Continuity Help Reduce Racial/Ethnic Gaps in Postpartum Access to Treatment for Opioid Use Disorder?*. The American Society of Health Economics (ASHEcon) Annual Meeting, St. Louis, MO, June 2023.

***Gupta S**, Simon KI and Perry BL. *Impact of Covid-19 On Alzheimer's Disease and Related Dementias (ADRD) Burdens and Their Socioeconomic and Racial/Ethnic Disparities.* Center to Accelerate Population Research in Alzheimer's (CAPRA)- National Bureau of Economic Research (NBER) annual meeting, University of Michigan, Ann Arbor, MI, October 2023.

2022: ***Gupta S**, Bundorf MK, Simon KI, Wing, C. *Social Isolation, Depression, and Alzheimer's Disease and Related Dementias Among the U.S. Elderly during COVID-19.* The American Society of Health Economics (ASHEcon) Annual Meeting, Austin, TX, June 2022.

***Gupta S**, Hill EL, Simon KI. *The Protective Effect of Naloxone Co-Prescribing Laws Against Overdoses during the COVID-19 Pandemic.* The American Society of Health Economics (ASHEcon) Annual Meeting, Austin, TX, June 2022.

***Gupta S**, Odabas M, Lee BK, Kaminski P, Yang KC, Perry BL and Ahn YY. *The Mental Health Costs of COVID-19: Evidence from a Comprehensive Commercially Insured Patient Population.* Association for Public Policy Analysis and Management (APPAM) Annual Conference, Washington D.C. November 2022.

***Gupta S** and Young, S. *Food Insecurity and Cognitive Decline in the Elderly: Evidence from the SNAP Cycle.* NBER Summer Institute Aging Workshop, Boston, MA, July 2022.

***Gupta S**, Bundorf MK, Simon KI, Wing, C. *Social Isolation, Depression, and Alzheimer's Disease and Related Dementias Among the U.S. Elderly during COVID-19.* NBER - Max Planck Conference on Aging and Health. Starnberg, Germany, June 2022.

2021: *Nguyen TD, **Gupta S**, Ziedan E, Simon K, Miles J, Crystal S, Samples H. *Racial/ethnic Disparities in Access to Medicated Assisted Treatment for Opioid*

Use Disorders During the COVID-19 Pandemic. Addiction Health Services Research Conference (virtual format), Brandeis University, Waltham, MA.

***Gupta S** and Mazumder, B. *The Effect of Prescription Drug Monitoring Programs on Labor Force Attachment*. The American Society of Health Economics Annual Meeting (virtual format), June 2021.

***Gupta S**, Laurito MA, Cantor J, Bradford A, Simon KI, Wing C. *What Can be Learned from the Restricted Use CDC COVID-19 Data?* Association for Public Policy Analysis and Management (APPAM) Annual Conference, Austin, TX, March 2021.

2020: ***Gupta S**, Simon KI, Wing C. *Mandated and voluntary social distancing during the COVID-19 epidemic*. Summer 2020 special edition of the Brookings Papers on Economic Activity (virtual format, June 2020)

Gupta S, Nguyen TD, Freeman PR Simon KI. *Effect of US Drug Enforcement Administration (DEA)'s "Scheduling" of Tramadol Products on Opioid Prescribing*. Allied Social Science Associations - American Economic Association (ASSA-AEA) Annual Meeting, San Diego CA, January 2020.

2019: **Gupta S**, Nguyen TD, Freeman PR Simon KI. *How do Providers Respond to Restrictions on Opioid Prescribing? Lessons from the Drug Enforcement Agency (DEA)'s 2014 Rescheduling of Hydrocodone*. The American Society of Health Economics (ASHEcon) Annual Meeting, Washington DC, June 2019.

Gupta S, Lozano-Rojas F, Al Achkar M, Mowry J, Simon KI. *Out of Prescription Opioids and into Other Drugs? The Unintended Consequences of Stricter Opioid Prescribing Laws on Drug Abuse*. The American Society of Health Economics (ASHEcon) Annual Meeting, Washington DC, June 2019.

2018: **Gupta S**. *Impact of Volunteering on Cognitive Decline of the Elderly*. Science of Philanthropy Initiative Conference (9/19/2018-9/20/2018). Indianapolis, IN

2017: **Gupta S**. *Impact of Volunteering on the Cognitive Health of the Elderly*. The Allied Social Science Associations Annual Meeting, Chicago, IL;

Gupta S. *Impact of Volunteering on the Cognitive Health of the Elderly*. Midwest Economic Association Meeting, Cincinnati, OH;

Gupta S, Al Achkar M. *Fight against opioid misuse: Lessons from Kentucky*. IU-Vanderbilt University-University of Louisville Joint Conference, Louisville, KY.

2016: **Gupta S**. *Impact of Volunteering on the Cognitive Health of the Elderly*. IU-Vanderbilt University-University of Louisville Joint Conference, Bloomington, IN.

***Gupta S**. *Impact of Volunteering on the Cognitive Health of the Elderly*. 6th Biennial Conference of the American Society of Health Economists, University of Pennsylvania, Philadelphia, PA.

2014: **Gupta S**. *Role of Pro-Social Behavior in the Causal Pathway from Economic Conditions Early in life to Cognitive Decline in the Elderly*. 5th Biennial Conference of the American Society of Health Economists, University of Southern California, Los Angeles, CA.

- Gupta S.** *Role of Pro-social behavior in the causal pathway from Economic conditions early in life to cognitive decline in the elderly.* International Health Economics Association meeting, Dublin, Ireland.
- Gupta S.** *Role of Pro-social behavior in the causal pathway from Economic conditions early in life to cognitive decline in the elderly.* European Meeting of the Econometric Society, Toulouse, France.
- Gupta S,** Portrait F, Van den Berg GJ. *Do Children Affect Life Expectancy? A Joint Study of Early Life Conditions, Fertility and Mortality.* IUPUI-IUB Mini-Conference, May 2014. Bradford, IN.
- 2012: **Gupta S,** Portrait F, Van den Berg GJ. *Do Children Affect Life Expectancy? A Joint Study of Early Life Conditions, Fertility and Mortality.* 4th Biennial Conference of the American Society of Health Economists, University of Minnesota.
- Gupta S,** Adam E, McDade T. *Objective versus Subjective Measures of Health.* Midwest Health Economics Conference, IUPUI, IN.
- 2011: **Gupta S,** Adam E, McDade T. *Objective versus Subjective Measures of Health.* 8th World Congress International Health Economics Association, Toronto, Canada.
- 2010: **Gupta S,** Van den Berg GJ. *The Role of Marriage in the Causal Pathway from Economic Conditions Early in Life to Mortality.* 3rd Biennial Conference of the American Society of Health Economists, Cornell University, Ithaca, NY.
- Gupta S,** Van den Berg GJ. *The Role of Marriage in the Causal Pathway from Economic Conditions Early in Life to Mortality.* Midwest Economic Association Annual Meeting, Evanston, IL.
- Gupta S,** Bergemann A, Van den Berg GJ. *Impact of an Affirmative Action Program in Employment on Child Mortality in India.* Population Association of America annual meeting, Dallas, TX.
- 2009: **Gupta S,** Portrait F, Van den Berg GJ. *Do Children Affect Life Expectancy? A Joint Study of Early Life Conditions, Fertility and Mortality.* Population Association of America annual meeting, Detroit, MI.
- 2008: **Gupta S,** Van den Berg GJ. *The Role of Marriage in the Causal Pathway from Economic Conditions Early in Life to Mortality.* Population Association of America annual meeting, Chicago, IL.
- Gupta S,** Portrait F, Van den Berg GJ. *Do Children Affect Life Expectancy? A Joint Study of Early Life Conditions, Fertility and Mortality.* European Meeting of the Econometric Society, Milan, Italy.
- Gupta S,** Portrait F, Van den Berg GJ. *Do Children Affect Life Expectancy? A Joint Study of Early Life Conditions, Fertility and Mortality.* Annual Conference of the European Society for Population Economics, University College London, U.K.
- Gupta S,** Portrait F, Van den Berg GJ. *Do Children Affect Life Expectancy? A Joint Study of Early Life Conditions, Fertility and Mortality.* European Association of Labor Economists Annual meeting, Amsterdam, The Netherlands.

2007: **Gupta S**, Van den Berg GJ. *The Role of Marriage in the Causal Pathway from Economic Conditions Early in Life to Mortality*. European Meeting of the Econometric Society, Budapest, Hungary.

Gupta S, Van den Berg GJ. *The Role of Marriage in the Causal Pathway from Economic Conditions Early in Life to Mortality*. Annual Conference of the European Society for Population Economics, University of Illinois at Chicago, IL.

Gupta S, Van den Berg GJ. *The Role of Marriage in the Causal Pathway from Economic Conditions Early in Life to Mortality*. IZA European Summer School in Labor Economics, Buch am Ammersee, Germany.

INVITED SEMINARS/WORKSHOPS

2024: NBER Summer Institute, Cambridge, MA.

2023: School of Public Health, University of Arkansas for Medical Sciences;
School of Public Health, University of Massachusetts, Amherst

2022: NBER - Max Planck Conference on Aging and Health at Starnberg, Germany (June 8-10, 2022);

2022 CEPR/NBER Workshop on Aging, Cognitive Ability, and Decision-Making at Lugano, Switzerland (March 31-April 2, 2022).

2021: Chicago Health Economics Workshop (Virtual format);

Health Policy Workshop, IU, Bloomington, IN

2019: IU, Bloomington, IN; American Society of Health Economics Meetings, Washington DC; Regenstrief Institute, Indianapolis, IN; Ball State University, Muncie, IN.

2018: Federal Reserve Bank of Chicago, IL; The Economic Club of Indiana, March Luncheon, Featuring Ed Glaeser (3/16/2018), Indianapolis, IN; IU Grand Challenge Addictions Ideas Lab residential workshop; Health Services Research Networking Event IUPUI-IUB; IU Center for Aging Research presentation

2017: Indiana Board of Pharmacy, Indianapolis, IN

2016: Indiana University-Vanderbilt University Health Economics and Policy Conference, Indiana University, IN.

2014: Eli Lilly, Pharmaceutical Company, Indianapolis, IN.

2013: Federal Reserve Bank of Chicago, IL; NBER, Cambridge, MA.

2011: Purdue University, West Lafayette, IN.

2010: Indiana University Purdue University Indianapolis, Indianapolis, IN.

2009: University of Chicago (March and June), Chicago, IL; Northwestern University, Evanston, IL; Indiana University Purdue University Indianapolis, Indianapolis, IN.

2008: Max Planck Institute for Demographic Research, Taormina, Italy; Max Planck Institute for Demographic Research, Rostock, Germany.

2007: University College London, London, U.K.

INVITED VISITING POSITIONS

Northwestern University, Department of Economics, Evanston, IL (2008-2009).

University College London, The Center for Microdata Methods and Practice, London, U.K. (2007, 2008)

HONORS AND AWARDS

1. Contemporary Economic Policy, Top 10 most cited research, "[Effects of social distancing policy on labor market outcomes](#)"
2. Contemporary Economic Policy #1 Featured article. "Are prescription drug monitoring laws effective for all? Evidence from administrative data."
3. [#2 in Top IU Research Impact Stories of 2021](#). "Vaccinations Against COVID-19 May Have Averted Up To 140,000 Deaths In The United States."
4. [Top 5% of all research scored by Altmetric](#). "Vaccinations Against COVID-19 May Have Averted Up To 140,000 Deaths In The United States."
5. [Health Affairs' #1 Most-Read Journal Article Of 2021](#). "Vaccinations Against COVID-19 May Have Averted Up To 140,000 Deaths In The United States."
6. The North American Primary Care Research Group (NAPCRG) Pearl Award 2018 for the study 'Exploring perceptions and experiences of patients who have chronic pain as state prescription opioid policies change: a qualitative study in Indiana (coauthored with Al Achkar M, Revere D, Dennis B, MacKie P and Grannis S). Published in *BMJ Open*. Vol 0:e015083. Pearl awards are given to top research studies presented at the NAPCRG Annual Meeting each year that will impact clinical practice.
7. Doctoral research fellowship, Microdata Methods and Practice supported by EU 6TH Research Framework and Marie Curie Research Training Actions, 2005-2009.
8. Poster Award, Annual meeting – Population Association of America, Detroit, 2009.
9. Teaching Fellow Scholarship, Tinbergen Institute, Amsterdam, The Netherlands, 2004 – 2005.
10. Teaching Fellow Scholarship, Department of Economics, University of Nottingham, U.K., 2002 – 2003.

PROFESSIONAL AFFILIATIONS

Member of the American Economic Association (AEA), the Econometric Society, the American Society of Health Economists (ASHEcon), Association for Public Policy Analysis and Management (APPAM), AcademyHealth.

TEACHING

INDIANA UNIVERSITY

- ECON-270 Introduction to Statistics for Business and Economics
(Fall 2010 [1:39], Spring 2011[2:54], Spring 2013[2:68], Fall 2014[2:95], Fall 2015[1:52], Spring 2016[2:46], Fall 2016[1:28], Spring 2017[2:105], Fall 2017[1:41], Fall 2018[2:57], Spring 2019[1:43], Fall 2019[1:39], Spring 2020[2:91], Fall 2020[2:85], Spring 2021[2:45], Spring 2022[1:35], Spring 2023[1:36], Spring 2025[1:23])
- ECON-643 Health Economics
(Fall 2011[1:2], Fall 2012[1:4], Spring 2014[1:3], Fall 2014[1:5], Fall 2015[1:4], Fall 2016[1:3], Fall 2017[1:4], Fall 2018[1:3], Fall 2022[1:7])
- ECON-744 Health Seminars
(Spring 2016[1:6], Fall 2019[1], Spring 2020[1:8])
- ECON-573 Econometrics II [1:3]
(Spring 2012)
- BL-SPEA- Seminar in Policy Analysis, 0.25 course, (Spring 2021 [1:4],
P764-11242 Spring 2022 [1:4])

ADDITIONAL TEACHING EXPERIENCE

Guest Speaker: Health Economics, IUPUI, Fall 2010, Fall 2011, Fall 2012, Fall 2014, Fall 2015, Fall 2016, Fall 2017); Introduction to Health Economics, Fall 2011

DOCTORAL DISSERTATION ADVISING

Apurva Bendre (Economics, IUPUI), Role: Dissertation Committee Chair
Hailemichael Shone (Economics, IUPUI), Role: Dissertation Committee Chair

DOCTORAL DISSERTATION COMMITTEES

Ronia Hawash (Economics, IUPUI, 2016)
Placement: Assistant Professor, Dept. of Economics, Butler University, IN

Nan Qiao (Economics, IUPUI, 2018)
Placement: Associate Principal Scientist, Merck Pharmaceuticals

Abby Zhang (Economics, IUPUI; expected graduation 2021)
Placement: Assistant Professor, School of Economics, Henan University, China

Oindrilla Bhattacharya (Economics, IUPUI; expected graduation 2021)
Placement: Post-doctoral fellow, Regenstrief Institute, IU School of Medicine, IN

Taul Cheong (Economics, IUPUI; expected graduation 2021)
Placement: Visiting Assistant Professor, Department of Economics, Bowdoin College

Satabdi Adhikari (Economics, IUPUI, 2022)

Apurva Bendre (Economics, IU Indianapolis, expected May 2025)

Hailemichael Shone (Economics, IUPUI, 2023)
Placement: Post-doctoral fellow, O'Neill SPEA, IU Bloomington

Cong Gian (O'Neill SPEA, IU Bloomington, 2024)

Dario Salcedo (O'Neill SPEA, IU Bloomington, expected May 2025)

NIH K-AWARD ADVISING

Benjamin Helm M.S., Ph.D. *Implementing Clinical Prediction Models and Population Genomic Screening for Genetic Disorders Causing Congenital Heart Disease.* (with Dr. Stephanie Ware)

ADDITIONAL ADVISING ACTIVITIES

Faculty mentor for the 'Irsay Fellows Talk,' Irsay Institute, IU Bloomington, Fall 2024.
Mentored eight advanced graduate students collaborating with faculty on research projects.

SERVICE

DEPARTMENT

Course Coordinator Econ-270, Department of Economics, IUPUI, August 2019-May 2022
Coordinator Health Economics seminar series, IUPUI, 2015 - 2017.
Coordinator Department of Economics seminar series, IUPUI, August 2011 – August 2013, January 2016 – December 2017.

SCHOOL

SLA Diversity and Inclusion Committee (Role: member; Diverse Hiring Sub-Committee Lead.), IUPUI, August 2021-May 2023
SLA Diversity and Inclusion Dean's Ad Hoc Committee (Role: member), IUPUI, August 2021-December 2021
SLA Promotion and Tenure Committee (elected; Role: member), IUPUI, August 2021-May 2023
SLA Diversity and Inclusion Dean's Ad Hoc Committee (Role: member), IUPUI, August 2020-May 2021
SLA Technology Committee (Role: member), IUPUI, August 2019-May 2021.
SLA Faculty Affairs Committee (Role: member), IUPUI, August 2015- May 2017.
School of Liberal Arts Technical Committee (Role: member), IUPUI, June 2011-June 2013.

CAMPUS

IUPUI Faculty Council Board of Review Pool, April 2021-March 2023.
Faculty Guide Committee, IUPUI Faculty Council, August 2019-May 2021
Affiliate Scientist, Regenstrief Institute, Indiana University School of Medicine, Fall 2018-

COMMUNITY

Co-Authored two *Indiana's COVID-19 Evidence-Informed Expert Response briefs* for the Indiana State Department of Health and Governor's office. The State government solicits expert advice to aid policy formulation.

- i. **EXPERT RESPONSE: Lag Time** (May 19, 2020)
“What is the demonstrated lag time between the implementation of a mitigation scale-back measure (e.g., the date non-essential work resumes, the date restaurants open, etc.) and evidence of uptick in rates of infection/ED admissions/ICU bed usage/vent usage?” (Co-authored with Ana Bento, Kosali Simon and Coady Wing)
- ii. **EXPERT RESPONSE: Kaiser Family Foundation - Mitigation Measure Effectiveness.** (November 2, 2020)
“Based on data compiled by the Kaiser Family Foundation, have state social distancing measures (stay at home orders/closures/gathering limitations in particular) made a

difference in terms of resurgence in those states? (Co-authored with Ana Bento, Kosali Simon and Coady Wing)

PROFESSION

i. REFEREE SERVICE

Health Economics, Journal of Human Resources, Journal of Population Economics, Clinical Epidemiology, Journal of Health Economics, Journal of the American Medical Association, Health Affairs, Economics and Human Biology, Journal of Policy Analysis and Management, American Journal of Health Economics, Economic Letters, Nature Human Behavior, Nature, PLOS One, BMC Geriatrics, International Journal of Drug Policy, Journal of Economic Behavior and Organization, BMC Geriatrics, Science, Industrial and Labor Relations Review.

ii. GRANT REVIEWING

National Science Foundation

iii. AUTHORED SECTION IN AMERICAN SOCIETY OF HEALTH ECONOMICS NEWSLETTER

- [Data Resources on Health Care Encounter Data](#). January 2021.
- [Establishing an Externally Funded Research Program: The “Why, When, and How” for New and Early-Stage Health Economists](#). June 2023.
- [Wearing Two Hats: The “Why, When, and How” of Being a \(Health\) Economist and a Health Services Researcher](#). With Preeti Pushpalata Zanwar. June 2024

iv. MENTORING

Senior Participant/Mentor for junior female economists in networking event organized by Committee on the Status of Women in the Economics Profession (CSWEP) Econopalooza 2021,

ASHEcon advanced-career-stage participant (mentor) for the 2022 mentoring workshop

ASHEcon advanced-career-stage participant (mentor) for the 2023 mentoring workshop

v. CONFERENCE SERVICE

Session Chair, Children's Preventive and Primary Sensitive Care. ASHEcon annual meetings 2024, San Diego, CA.

Discussant, Economics of Opioid Use and Opioid Use Disorder Treatment. ASHEcon annual meetings 2024, San Diego, CA.

Discussant, Promoting Coverage Continuity: Policies and Innovations in Medicaid during and after the COVID-19 Pandemic. APPAM annual meetings 2024, National Harbor, MD.

Session Chair, Tax and Pricing Policies for Unhealthy Products, APPAM annual meetings 2024, National Harbor, MD.

Session Chair, Access to Insurance, Insurance Barriers to Care, and Health Outcomes ASHEcon annual meetings 2023, St. Louis, MO.

Discussant, Association between Cost-Sharing and Naloxone Prescription Abandonment, ASHEcon annual meetings 2023, St. Louis, MO

Discussant, COVID-19 Labor Market Shocks and Adolescent Mental Health: Evidence from Primary Care, ASHEcon annual meetings 2023, St. Louis, MO

Discussant, Changes in Health Coverage Two Years into the COVID-19 Pandemic, ASHEcon annual meetings 2023, St. Louis, MO

- vi. **CO-EDITOR, AMERICAN SOCIETY OF HEALTH ECONOMICS NEWSLETTER**
July 2023-.

PROFESSIONAL ADVANCEMENT

Completed IU Indianapolis Next Generation 2.0 Leadership Program (2023-2024).
Capstone project: *Establishing a Predoctoral multidisciplinary training program in policy research to promote mental health and equity.*

GRANTS/FELLOWSHIPS IN RESEARCH (* denote in-rank)

AWARDED

| | <u>Title</u> | <u>Granting Agency</u> | <u>Role</u> | <u>% Effort</u> | <u>Amount</u> | <u>Dates</u> |
|------|---|--|----------------|-----------------|---------------|-----------------------|
| * 1. | Nutritional gaps among low-income elderly in Indiana | Indiana Family and Social Services Administration and Indiana CTSI | MPI | 12.5% | \$96,137 | 01/01/2024-09/30/2024 |
| * 2. | Impact of COVID-19 Pandemic and Long-COVID on Cognitive Decline, New-onset Alzheimer's Disease and Related Dementia (ADRD), and Racial/Ethnic Disparities in ADRD Burden. | National Institute of Aging/ NBER | PI Pilot grant | 5% | \$50,000 | 07/01/2023-06/30/2024 |
| * 3. | Experiences Post COVID-19 Among Adults with ADRD: Individual, Provider and Community Characteristics Associated with Improved Health Outcomes | NIH (NIA P30AG012810-28S5) / NBER | MPI | 20% | \$250,000 | 07/01/2023-06/30/2025 |
| * 4. | COVID-19 Pandemic Mitigation, Community Economic and Social Vulnerability, and Opioid Use Disorder | NIH (NIDA U01 DA057016-01) | PI IU subaward | 25% | \$605,338 | 07/2022-06/2027 |
| * 5. | Alliances to Disseminate Addiction Prevention and Treatment (ADAPT): A Statewide Learning Health | NIH (NIDA R01 Supplement) | PI | 15% | \$136,411 | 06/01/2023-05/31/2024 |

System to Reduce Substance Use among Justice-Involved Youth in Rural Communities

| | | | | | | |
|-------|--|---|-----------------|--------------------------------------|-----------|-------------------------|
| * 6. | The Effect of Medical Cannabis Laws on Health Care Use in Insured Populations with Pain | NIH (R01, Supplement) | Co-PI | 13% | \$19,257 | 09/01/2021-8/31/2022 |
| * 7. | Did the COVID-19 Public Health Emergency (PHE) Medicaid Continuity Help Reduce Racial/Ethnic Gaps in Postpartum Access to Treatment for Opioid Use Disorder? | IU Responding to the Addictions Crisis Grand Challenge (Racial and Ethnic Disparities in Substance Use Research Fund) | PI | 12.5% | \$24,386 | 08/2022-06/2023 |
| * 8. | Policy, economic and social determinants of health in Medicare populations | Indiana CTSI Project Development Team | Co-PI | 12.5% | \$12,500 | 07/2022-06/2023 |
| * 9. | Study of Pharmacy Market Concentration in Indiana by Sector | Indiana Legislative Services Agency | Co-PI | 13% | \$19,257 | 10/7/2021-10/6/2022 |
| * 10. | Medication use patterns during the Covid-19 pandemic | National Pharmaceutical Council | PI | 25% | \$49,365 | 06/01/2021-12/31/2021 |
| * 11. | Research on racial and ethnic disparities in receipt of medication for opioid use disorder | Pew Charitable Trusts | Co-PI | 8.33% in year one, 4.17% in year two | \$14,215 | 01/01/2022 – 12/31/2022 |
| 12. | Planned Outreach, Intervention, Naloxone, and Treatment (POINT) | Fairbanks Foundation and Eskenazi Health | Co-investigator | 10% | \$26,258 | 12/15/16 – 9/30/19 |
| 13. | SLA Research, Creative Activity, and Scholarship Grants | SLA IUPUI | PI | 100% | \$5000 | summer '11 |
| 14. | Post-doctoral fellowship, Institute for Policy Research at Northwestern University | National Institute of Child Health and Human Development (R01 HD053731-01A1) | Co-investigator | 100% | \$35,000 | Fall '09-Sum.'10 |
| 15. | Marie Curie Doctoral Research Fellowship | Microdata Methods and Practice supported by EU 6 TH | Researcher | 100% | \$180,000 | Fall '05-Fall '09 |

Research
 Framework and
 Marie Curie
 Research Training
 Actions, European
 Commission

| | | | | | | |
|-----|--|-------------------------------------|------------|------|----------|----------------------|
| 16. | Tinbergen Institute Grad Fellowship | Tinbergen Institute Amsterdam | Researcher | 100% | \$17,000 | Fall '04-Sum. '05 |
|-----|--|-------------------------------------|------------|------|----------|----------------------|

UNDER REVIEW

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|----|---|------------------------------------|-------|-----|-------------|---------------------------|
| 1. | Validating social indices research through data science infrastructure. | National Science Foundation | Co-PI | 10% | \$1,200,000 | 07/01/2025- 06/30/2028 |
| 2. | Impact of COVID-19 on Alzheimer's disease and related dementias (ADRD) burdens and their socioeconomic and racial/ethnic disparities (<i>Discussed and scored November 2023; revision submitted June 2024</i>) | National Institute of Aging R01 | PI | 25% | \$3,360,819 | 07/01/2025- 06/30/2030 |