**SUMEDHA GUPTA**

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**EMPLOYMENT**

Associate Professor, Department of Economics, Indiana University Purdue University Indianapolis, 2020 –

Assistant Professor, Department of Economics, Indiana University Purdue University Indianapolis, 2010 – 2020

On leave: 2012-2015, 2018-2019.

Post-doctoral Fellow, Institute for Policy Research, Northwestern University, 2009-2010

Affiliate Scientist, Center for Aging Research, Regenstrief Institute, IU School of Medicine, 2018-

**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**

Impact of COVID-19, opioid use disorders, treatment evaluation, economy and population health, mental health, economics of aging

**PEER-REVIEWED JOURNAL ARTICLES**

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.
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.*** Vol0:e015083.

doi: 10.1136/bmjopen-2016-015083

1. 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).
2. **Gupta S**. 2018. Impact of Volunteering on the Cognitive Decline of the Elderly. ***Journal of Economics of Aging****,* Vol. 12 46-60*.*
   * **Media coverage**: Wall Street Journal (<https://www.wsj.com/articles/research-finds-volunteering-can-be-good-for-your-health-1524449280>), Daily Mail (U.K.) (<https://www.dailymail.co.uk/news/article-473397/Volunteering-just-two-hours-week-ward-dementia-study-finds.html>)
3. **Gupta S**, Cohen H, Lowder E and Ray BR. (2020) Validating Imputation Procedures to Calculate Corrected Opioid-Involved Overdose Deaths. ***Public Health Report****,*Vol. 135(1) 124-131*.*
4. Carlin P., **Gupta S.**, Sacks D.W. 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.
5. **Gupta S**, Simon K, and Wing C. Mandated and voluntary social distancing during the COVID-19 epidemic. ***Brookings Papers on Economic Activity***. Forthcoming.
   * **Media coverage:**Washington Post ([Governors’ shutdowns did not cause the pandemic jobs crisis)](https://www.washingtonpost.com/business/2021/01/25/lockdowns-job-losses/)
6. 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***. Forthcoming
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
8. ​**Gupta S**, Nguyen TD, Rojas FL, Raman S, Lee BK, Bento A, Simon KI and Wing C. Tracking Public and Private Responses to the COVID-19 Epidemic: Evidence from State and Local Government Actions. ***American Journal of Health Economics*.** Forthcoming.​​​
9. **Gupta S.**, Al Achkar M and Ray BR. “Impact of State mandated emergency rules on opioid prescribing and misuse: First evidence from Prescription Drug Monitoring Databases”. ***Contemporary Economic Policy*.** Forthcoming.​​​
10. **Gupta S.,** Georgiou A, Sen S., Simon K. and Karaca-Mandic P. titled “State Re-Openings and COVID-19 Hospitalizations and Mortality”. ***Journal of the American Medical Association: Health Forum*.** Forthcoming.​​​

**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, Wei, Patrick Carlin, Joanna Carroll, **Sumedha Gupta**, Felipe Lozano Rojas, Laura Montenovo, Thuy D. Nguyen, 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. Nguyen, Thuy D., **Sumedha Gupta**, Martin Andersen, Ana Bento, Kosali I. Simon, and Coady Wing. 2020. “Impacts of State Reopening Policy on Human Mobility.” w27235. National Bureau of Economic Research. <https://doi.org/10.3386/w27235>. (Under review)
3. **Gupta, S.,** Jonathan Cantor, Kosali Simon, Ana Bento, Coady Wing and Christopher Whaley. Association Between COVID-19 Vaccine Administration and COVID-19 Cases, Deaths, and Physical Mobility (Revision requested by *Health Affairs*)
4. Mazurenko O., **Gupta S.**, Justin Blackburn, Kosali Simon and Christopher Harle “Long-term opioid therapy tapering: statewide trends from 2014 to 2018” (Under review)

**COMPLETED WORKING PAPERS**

1. **Gupta, Sumedha**, Thuy D. Nguyen, Patricia R. Freeman, and Kosali I. Simon. 2020. “Competitive Effects of Federal and State Opioid Restrictions: Evidence from the Controlled Substance Laws.” w27520. National Bureau of Economic Research. <https://doi.org/10.3386/w27520>.
   1. Featured in the [NBER Bulletin on Health, November 2020](https://www.nber.org/bh/tighter-regulation-lowers-targeted-not-overall-opioid-use)
2. **Gupta S.**, Nguyen TD, Freeman PF and Simon KI. **“**Changes in Tramadol Prescribing Following Federal Scheduling”.
3. **Gupta, Sumedha**, Laura Montenovo, Thuy D. Nguyen, Felipe Lozano Rojas, Ian M. Schmutte, Kosali I. Simon, Bruce A. Weinberg, and Coady Wing. 2020. “Effects of Social Distancing Policy on Labor Market Outcomes.” w27280. National Bureau of Economic Research. <https://doi.org/10.3386/w27280>.
   1. Mentioned in the news: [Evidence Grows of Lockdowns’ Toll on Employment](https://www.wsj.com/articles/evidence-grows-of-lockdowns-toll-on-employment-11591389475), JUNE 8, 2020, [THE WALL STREET JOURNAL](https://www.wsj.com/articles/evidence-grows-of-lockdowns-toll-on-employment-11591389475)
4. **Gupta S.,** Ziedan E., Nguyen TD, Simon K and Stein B. “U.S. Opioid Analgesic Prescribing During the COVID-19 Pandemic Response”

**WORK IN PROGRESS**

1. “Declining access to pain management and increasing applications for disability insurance. The untold story of the opioid epidemic”, with Bhashkar Mazumder (in progress).
2. “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)
3. “Spousal Health Shocks and Own Cognitive decline”, with Jenifer Carnahan and Alexia Torke (in progress).
4. “Health and Justice Trajectories among Overdose Fatalities”, with Evan M. Lowder, Brad Ray, Titus Schleyer, Kosali Simon and Phil Huynh (in progress).

# “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 andKosali Simon (in progress).

1. “Food Insecurity and Cognitive Decline in the Elderly: Evidence from the SNAP Cycle”, with Sabrina Young (in progress)

**CONFERENCE PRESENTATIONS**

2020: *Summer 2020 special edition of the*[*Brookings Papers on Economic Activity*](https://www.brookings.edu/bpea) (virtual format)

2020: Association for Public Policy Analysis and Management (APPAM) Annual Conference (virtual format)

2020: Allied Social Science Associations - American Economic Association Annual Meeting, San Diego CA; Brookings Panel on Economic Activity.

2019: The American Society of Health Economics Annual Meeting, Washington DC

2018: The American Society of Health Economics Annual Meeting, Atlanta, GA; Midwest Health Economics Conference, Columbus, OH; IU-Vanderbilt University-University of Louisville Joint Conference, Bloomington, IN; Science of Philanthropy Initiative Conference (9/19/2018-9/20/2018). Indianapolis, IN

2017: The Allied Social Science Associations Annual Meeting, Chicago, IL; Midwest Health Economics Conference, University of Minnesota, MN; Midwest Economic Association Meeting, Cincinnati, OH; IU-Vanderbilt University-University of Louisville Joint Conference, Louisville, KY.

2016: 6th Biennial Conference of the American Society of Health Economists, University of Pennsylvania; Midwest Health Economics Conference, University of Indiana, IN.

2014: 5th Biennial Conference of the American Society of Health Economists, University of Southern California; International Health Economics Association meeting, Dublin, Ireland; European Meeting of the Econometric Society, Toulouse, France; Annual Conference of the European Society for Population Economics, **Braga, Portugal**; IUPUI-IUB Mini- Conference, Bradford, IN.

2012: 4th Biennial Conference of the American Society of Health Economists, University of Minnesota; Midwest Health Economics Conference, IUPUI, IN.

2011: 8th World Congress in Health Economics, Toronto, Canada.

2010: 3rd Biennial Conference of the American Society of Health Economists, Cornell University; Midwest Economic Association Annual Meeting, Chicago, IL; Population Association of America annual meeting, Dallas, TX.

2009: Population Association of America annual meeting, Detroit, MI.

2008: Population Association of America annual meeting, Chicago, IL; European Meeting of the Econometric Society, Milan, Italy; Annual Conference of the European Society for Population Economics, University College London, U.K.; European Association of Labor Economists Annual meeting, Amsterdam, The Netherlands.

2007: European Meeting of the Econometric Society, Budapest, Hungary; Annual Conference of the European Society for Population Economics, University of Illinois at Chicago, IL; IZA European Summer School in Labor Economics, Buch am Ammersee, Germany.

**INVITED SEMINARS**

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. 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.*** Vol0:e015083. Pearl awards are given to top research studies presented at the NAPCRG Annual Meeting each year that will impact clinical practice.
2. Summer Research Grant, IUPUI, 2011.
3. Doctoral research fellowship, Microdata Methods and Practice supported by EU 6TH Research Framework and Marie Curie Research Training Actions, 2005-2009.
4. Poster Award, Annual meeting – Population Association of America, Detroit, 2009.
5. Teaching Fellow Scholarship, Tinbergen Institute, Amsterdam, The Netherlands, 2004 – 2005.
6. Teaching Fellow Scholarship, Department of Economics, University of Nottingham, U.K., 2002 – 2003.
7. Fairbanks Foundation – Role Co-investigator (12.5% effort), PI: Dennis Watson, Grant Number 5 NU17CE002721-02.

**PROFESSIONAL AFFILIATIONS**

Member of the American Economic Association (AEA), the Econometric Society, the American Society of Health Economists (ASHEcon).

**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[2:42])

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])

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

**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, expected 2022)

Apurva Bendre (Economics, IUPUI)

Hailemichael Shone (Economics, IUPUI)

**SERVICE**

**DEPARTMENT**

Course Coordinator Econ-270, Department of Economics, IUPUI, August 2019-

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 Promotion and Tenure Committee (elected), IUPUI, August 2021-May 2023

SLA Diversity and Inclusion Dean’s Ad Hoc Committee, IUPUI, August 2020-May 2021

SLA Technology Committee, IUPUI, August 2019-May 2021.

SLA Faculty Affairs Committee, IUPUI, August 2015- May 2017.

School of Liberal Arts Technical Committee, IUPUI, June2011-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 theIndiana State Department of Health and Governor’s office. The State government solicits expert advise to aid policy formulation.

* + 1. **EXPERT RESPONSE: Lag Time** (May 19, 2020)

“What is the demonstrated lag time between the implementation of a mitigation scale-back measure (eg, 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)

* + 1. **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**

1. **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, PLOS One, Journal of Economic Behavior, American Journal of Health Economics, BMC Geriatrics, Nature.*

1. **GRANT REVIEWING**

*National Science Foundation*

1. **AUTHORED SECTION IN AMERICAN SOCIETY OF HEALTH ECONOMIVS NEWSLETTER**

*Introducing researchers to OPTUM Clinformatics, claims data from a large commercial insurer.*

**MISCELLANEOUS SERVICE**

Student-Chair editorial board, Tinbergen Magazine, September 2006 – January 2009.

**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.*

**GRANTS/FELLOWSHIPS IN RESEARCH:**

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| --- | --- | --- | --- | --- | --- | --- |
|  | **Title** | **Granting Agency** | **Role** | **% Effort** | **Amount** | **Dates** |
| 1. | Research on racial and ethnic disparities in receipt of medication for opioid use disorder – Under review | Pew Charitable Trusts | Co-PI | 8.33% in year one, 4.17% in year two | $14,215  requested | 04/01/2021 – 10/01/2022 |
|  |  |  |  |  |  |  |
| 2. | Planned Outreach, Intervention, Naloxone, and Treatment (POINT) | Fairbanks Foundation and Eskenazi Health | Co-investigator | 10% | $26,258 | 12/15/16 – 9/30/19 |
| 3. | SLA Research, Creative Activity, and Scholarship Grants | SLA IUPUI | PI | 100% | $5000 | summer ’11 |
| 4. | 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 |
| 5. | Marie Curie Doctoral Research Fellowship | Microdata Methods and Practice supported by EU 6TH Research Framework and Marie Curie Research Training Actions, European Commission | Researcher | 100% | $180,000 | Fall ‘05-Fall ‘09 |
| 6. | Tinbergen Institute Grad Fellowship | Tinbergen Institute Amsterdam | Researcher | 100% | $17,000 | Fall ’04-Sum. ‘05 |