


## SHOOSHAN DANAGOULIAN

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Updated: 11/21/2024

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### POSITIONS:

Associate Professor (with tenure) of Economics, Department of Economics, Wayne State Economics, 2021 – Present.

Assistant Professor of Economics, Department of Economics, Wayne State Economics, 2014 – 2021.

### RESEARCH AND TEACHING FIELDS

Health Economics, Applied Microeconomics, Applied Econometrics.

### EDUCATION

Ph.D. in Economics, Cornell University, 2014.

M.A. in Economics, University of Pennsylvania, 2007.

MSc. in Global Market Economics, London School of Economics, 2003 (with Distinction).

B.A. in International Relations, Johns Hopkins University, 2000 (with Honors).

### BOOKS

Folland, Sherman, Allen C. Goodman, Miron Stano, and Shooshan Danagoulian. *The Economics of Health and Health Care*. 9<sup>th</sup> Edition. Routledge, 2024.

### PUBLICATIONS

“Driving Under the Influence of Pollen: Fatal Accidents and Seasonal Allergies” with Monica Deza. (2024) *NBER Working Paper* No. 32233. March 2024. Forthcoming in *Journal of Health Economics*.

“Marijuana and Munchies: Legalization of Recreational Marijuana and Consumption of Fast Food.” With Monica Deza, Timothy Hodge, and Thomas Wilk. *NBER Working Paper* No. 33176. November 2024.

“Investment in Preventive Care for Children of Middle Eastern Ancestry During the Trump Administration” with Owen Fleming (graduate student), Daniel Grossman, and David Slusky. *NBER Working Paper* No. 32676. July 2024.

“Does rapid acute coronary syndrome evaluation using high-sensitivity cardiac troponin save costs? An economic evaluation.” First author with Joseph Miller, Bernard Cook, Satheesh Gunaga, Raef Fadel, Chaun Gandolfo, Erika Todter, Nicholas L Mills, Shalini Modi, Simon A. Mahler, Phillip D. Levy, Sachin Parikh, Seth Krupp, Khaled Nour, Howard Klausner, Ryan Gindi, Aaron Lewandowski, Michael Hudson, Giuseppe Perrotta, Bryan Zweig, David Lanfear, Henry Kim, Amy Tang, Catriona Keerie, and James McCord. *Journal of American College of Emergency Physicians*. 2024 Apr;5(2):e13140.

“Blood Lead Testing in Flint Before and After Water Contamination” (2022) with Derek Jenkins, Daniel Grossman, and David Slusky. *Pediatrics* 150:6.

“Health Care Following Environmental Disasters: Evidence from Flint” (2022), with Daniel Grossman and David Slusky. 41:4 1060-1089 *Journal of Policy Analysis and Management*.

Other versions: *NBER Working Paper* No. 27098, May 2020. *IZA Working Paper* No. 13098

“Locking Out Prevention: Dental Care in the Midst of a Pandemic” (2022) with Thomas Wilk. 31:9 1973-1992 *Health Economics*.

“Fewer Opioids, More Benzodiazepines? Prescription Trends by Specialty in Response to the Implementation of Michigan’s Opioid Laws” (2021) with Andrew King, Kyle Mangan, John Tarchick, and Bram Dolcourt. *Pain Medicine*. 2021; pnb270, <https://doi.org/10.1093/pm/pnb270>

“The Global COVID-19 Student Survey: First wave results” (2021) with David A. Jaeger, Jaime Arellano-Bover, Krzysztof Karbownik, Marta Martínez-Matute, John M. Nunley, R. Alan Seals, Miguel Almunia, Mackenzie Alston, Sascha O. Becker, Pilar Beneito, René Böheim, José E. Boscá, Jessica H. Brown, Simon Chang, Deborah Cobb-Clark, Sandra Donnally, Marissa Eckrote-Nordland, Lidía Farré, Javier Ferri, Margherita Fort, Jane Cooley Fruewirth, Rebecca Gelding, Allen C. Goodman, Melanie Guldi, Simone Häckl, Janet Hankin, Scott Imberman, Joanna Lahey, Joan Llull, Hani Mansour, Isaac Mcfarlin, Jaakko Meriläinen, Tove Mörtlund, Martin Nybom, Stephen D. Oconnell, Rupert Sausgruber, Amy Ellen Schwarz, Jan Stuhler, Petra Thiemann, Roel Van Veldhuizen, Marianne Wannamaker, Maria Zhu. *Covid Economics* Issue 79, 27. CEPR Press.

“The COVID-19 Pandemic, Domestic Violence and the Riskiness of Alcohol Consumption” with Aaron Chalfin, and Monica Deza. March 2021. *NBER Working Paper* No. 28523. *NBER Research Spotlight*, Monday, June 14, 2021.

“RACE-IT – Rapid Acute Coronary Syndrome Exclusion using the Beckman Coulter Access High-Sensitivity Cardiac Troponin I: a Stepped-Wedge Cluster Randomized Trial” (2021) with Joseph Miller, Bernard Cook, Gulmohar Singh-Kucukarslan, Amy Tang, Gerard Heath, Ziad Khalifa, Phillip Levy, Simon Mahler, Nicholas Mills, James McCord. *Contemporary Clinical Trials Communications*. 22 (2021) 100733.

“Rolling Back the Gains: Maternal Stress Undermines Pregnancy Health After Flint's Water Switch,” (2020) with Derek Jenkins. *Health Economics*. 2020. 30: 564-584. <https://doi.org/10.1002/hec.4210>

“Prioritizing Testing and Workplace Re-Opening Under COVID-19,” (2020) with Zhe Zhu and Phillip D. Levy. *Econofact*, April 29, 2020.

"The Population Health OutcomEs aNd Information Exchange (PHOENIX) - A Transformative Approach to Reduce the Burden of Chronic Disease," (2020) with Korzeniewski SJ, Bezold C, Carbone JT, Foster B, Misra D, El-Masri MM, Zhu D, Welch R, Meloche L, Hill AB, Levy, P. *Online Journal of Public Health Informatics*. 12(1): e3.

“Medicaid Expansion and Resource Utilization in the Emergency Department” (2020) with Alexander Janke, Arjun Venkatesh, and Phillip Levy. *American Journal of Emergency Medicine*. 38 (12), 2586-2590.

“Hospital Financial Characteristics Datasets” (2019) with Kosali Simon. *American Society of Health Economists Newsletter* 2019:4.

“More Sneezing, Less Crime? Seasonal Allergies as Transitory Cost of Crime,” (2019) with Aaron Chalfin and Monica Deza. *Journal of Health Economics*. 68, 102-30.

“The Effect of a Medical Toxicology Inpatient Service in an Academic Tertiary Care Referral Center” (2018) with Andrew King, Michael Lynch, Nathan Menke, Yijia Mu, Melissa Saul, Michael Abesamis, and Anthony Pizon. *Journal of Medical Toxicology*, Jan;15(1):12-21.

“Design and Rationale of a Randomized Trial of a Short Stay Unit in Emergency Department Patients with Acute Heart Failure” (2018) with Hannah Fish-Trotter, Sean Collins, Benton Hunter, Xiaochun Li, Phillip D. Levy, Susan Pressler, and Peter S. Pang. *Contemporary Clinical Trials*. 72, 137-145.

“Policy of Prevention: Medical Utilization Under a Wellness Plan” (2018) *Health Economics* 27(11) 1843-1858.

“Taking the Hassle Out of Wellness: Do Peers and Health Matter?” (2018) *International Journal of Health Economics and Management*. 18(1), 1-23.

“Parental Depressive Symptoms and Children’s School Attendance and Emergency Department Use: A Nationally Representative Study.” (2012) with James Guevara, David Mandell, Jacqueline Reyner, and Susmita Pati. *Maternal and Child Health Journal*, 17(6), 1130-1137.

“Immigrant Children’s Reliance on Public Health Insurance in the Wake of Immigration Reform.” (2008) with Susmita Pati. *American Journal of Public Health* 98(11): 2004–2010.

#### WORKING PAPERS

“An Accelerated Protocol for Myocardial Infarction Reduces Cardiac Healthcare Resource Utilization” with Joseph Miller, Bernard Cook, Satheesh Gunaga, Raef Fadel, Chaun Gandolfo, Erika Todter, Nicholas L Mills, Shalini Modi, Simon A. Mahler, Phillip D. Levy, Sachin Parikh, Seth Krupp, Khaled Nour, Howard Klausner, Ryan Gindi, Aaron Lewandowski, Michael Hudson, Giuseppe Perrotta, Bryan Zweig, David Lanfear, Henry Kim, Amy Tang, Catriona Keerie, and James McCord. (2024) Revision requested at *JAMA Network Open*.

“Seasonal Allergies and Mental Health: Do Small Health Shocks Affect Suicidality?” with Joelle Abramowitz and Owen Fleming, November 2024. *Under review*.

“Disparities in Health Care Utilization Among Children of Middle Eastern Ancestry in the United States” with Owen Fleming, Daniel Grossman, and David Slusky. November 2024. *Under review*.

"Marijuana and Munchies: Legalization of Recreational Marijuana and Consumption of Fast Food." With Monica Deza, Timothy Hodge, and Thomas Wilk. November 2024. *Under review*.

"Cooking at Home: Did COVID-19 Policies Change Grocery Purchasing Habits?" with Jacob Whitman and Xiaoxue Li. March 2024.

"Effects of Air Pollution on Children's Health: Case Study of the Detroit Incinerator" with Sara Syeda and Phillip Levy. November 2024.

“Effects of Air Pollution on Cardiovascular Health of Socioeconomically Vulnerable Adults in Michigan: A Case Study of the Detroit Incinerator” with Sara Syeda and Phillip Levy. March 2024

#### WORK IN PROGRESS

"Seasonal Allergy Blues: Is Mental Health Worse on High Pollen Days?" with Joelle Abramowitz.

"Disparities in Health and Health Care Utilization of Middle Eastern and North African Ancestry in United States." with Daniel Grossman and David Slusky.

"Legalization of Recreational Marijuana and Physical Health." With Monica Deza, Timothy Hodge, and Thomas Wilk. March 2024

"Seasonal Pollen: Behavioral Changes Due to Cognitive Impairment." with Monica Deza. March 2024.

"Relationship Between Residential Tax Delinquency and Use of Emergency Department in Detroit" with John Tarchick and Phillip D. Levy. January 2021.

"ACA Medicaid Expansion and Treatment Intensity: A Case of Two Neighboring States," with Naim Chy and Phillip Levy. December 2018.

"Medicaid Expansion and Intensity of Treatment: Diagnoses and Procedures in the Emergency Department", with Allen Goodman, Alexander Janke, and Phillip Levy. December 2019.

"Pollution and Infant Health: Study of Medicaid Claims", June 2018.

#### FUNDED GRANTS

- |             |   |
|-------------|---|
| 2024-2026   | <p>“Understanding the Effects of Pollen on Suicide and Mental Health and Disparities across Rural and Urban Areas”</p> <p>Source: Pilot Project Grant for the Study of Rural Contexts through the Institute for Social Research, University of Michigan.</p> <p>Award Amount: \$150,000</p> <p>PI: Joelle Abramowitz</p> <p>Role: Co-PI (5% effort)</p> |
| 2023-2028   | <p>“Family mHealth Intervention to Improve Health Outcomes in Black Youth with Type 1 Diabetes: A Multi-Center Randomized Controlled Trial”</p> <p>Source: National Institutes of Health (PAR-21-358)</p> <p>Award Amount: \$4,145,714</p> <p>PI: Deborah Ellis</p> <p>Role: Co-Investigator (11% effort in year 5)</p>                                 |
| 2024-2025   | <p>“Seasonal Allergy Blues: Is Mental Health Worse on High Pollen Days?”</p> <p>Source: American Foundation for Suicide Prevention</p> <p>Award Amount: \$125,000</p> <p>Role: PI</p>   |
| 2021 – 2026 | <p>“ACHIEVE GreatER: Addressing Cardiometabolic Health Inequities by Early PreVENTion in the Great LakEs Region”</p> <p>Source: National Institutes of Health (1 P50 MD017351-01)</p> <p>Award Amount: \$18,154,012</p> <p>PI: Phillip Levy</p> <p>Role: co-I (20% effort)</p>  |
| 2021-2022   | <p>“Seasonal Allergy Blues: Is Our Mental Health Worse on High Pollen Days?”</p>  |

- Source: Office of the Provost, University Research Grant, Wayne State University  
Award Amount: \$10,000  
Role: Lead PI
- 2019-2021 “PHOENIX – Population Health Outcomes and Information Exchange”  
Source: Michigan Health Endowment Foundation  
Award Amount: \$500,000  
PI: Phillip Levy  
Role: co-Investigator (3% effort)
- 2020-2021 “Pragmatic Implementation of the Beckman Coulter hsTnI assay for Evaluating Suspected Acute Coronary Syndrome”  
Source: Henry Ford Health Systems  
Award Amount: \$35,000  
PI: Joseph Miller  
Role: Site-PI (9.75% effort)
- 2018-2020 “Patient Perspectives on Barriers and Facilitators of Heart Failure Care”  
Source: Novartis Pharmaceuticals Co.  
Award Amount: \$158,730  
PI: Phillip Levy  
Role: Co-investigator (5% effort)
- 2017-2022 “Using Short Stay Units Instead of Routine Admission to Improve Patient Centered Health Outcomes for AHF Patients”  
Source: AHRQ (1 R01 HS025411-01)  
Award Amount: \$1,133,432 (\$219,696 subcontract)  
PI: Peter Pang, Indiana University  
Role: Site co-investigator (10% effort)
- 2017-2018 “Effects of Pollution on Childhood Outcomes”  
Source: University Research Grant, Office of Provost, Wayne State University  
Award Amount: \$10,000  
Role: PI
- 2011-2012 “Health Insurance Choice and Utilization.”  
Source: Cornell Population Center Grant  
Award Amount: \$2,000  
Role: PI
- Source: Cornell Institute for the Social Sciences Grant  
Award Amount: \$5,450  
Role: Investigator
- Source: Human Ecology Alumni Association Grant  
Award Amount: \$1,000  
Role: PI

**GRANTS UNDER REVIEW**

- 2025-2029 “Suicidality in Rural Areas: Impact of Seasonal Pollen on Mental Health and Health Care in Mid-Life and Older Adulthood.”  
Source: NIH (R01 PA-20-185)  
Amount: \$2,850,655  
Role: PI
- 2025-2028 “Renewing Water Infrastructure for Equitable Health and Economic Growth”  
Source: National Science Foundation  
Amount: \$1,998,696  
PI: Shawn McElmurry  
Role: Co-PI
- 2025-2029 “A digital health DASH Diet intervention to support hypertension management in Black adults”  
Source: NIH  
Amount: \$3,823,457  
PI: Aisha Langford  
Role: Co-investigator (5% effort and GRA)
- 2024-2029 “Multi-level Implementation Strategies - Leaning into Adaptive Prevention (MI-LEAP): enhancing impact, cost-effectiveness, and equity of universal drug use prevention”  
Source: NIH  
PI: Andria Eisman  
Amount: \$3,598,298  
Role: Co-investigator (5%)

## TEACHING AND ADVISING

### Postdoctoral Advising:

Jacob Whitman, University of Pittsburgh, expected completion, May 2026.

### Doctoral Advisement / Direction:

Owen Fleming, expected completion May 2026.

Huang Nguyen, expected completion May 2027.

Jacob Whitman, “Dietary Changes During COVID-19,” May 2024.

Thomas Wilks, “Urgent Care Facilities: Placement, Industry Structure, and Economic Spillovers in Local Emergency Departments,” expected completion May 2024.

Sara Syeda, March 2024 “Impact of Air Pollution on Socioeconomically Vulnerable Population- A Case Study of Detroit”.

Hussain Alzahrani, “Essay on Unemployment and Death Rate in the United States,” May 2024.  
(committee member)

Ryan Hetrick, “Three Papers on the Economics of Alcohol Laws” December 2024. (committee member)

Xinghua Li “The Impact Of Education, Economic Downturns And The Removal Of The One-Child Policy On China’s Marriage Market And Birth Rate,” December 2024, (committee member)

Lama Alhammad, August 2023. "The Economics of Drug Shortages." (committee member)

Abrar Bagalb, December 2022 “Understanding the Effect of Parental Paid Sick Leave on Improving Youth Health in United States”.

Khurram Imam, withdrew.

Derek Jenkins, August 2021, “Effect of Managed Care Penetration on Use of Low-value Procedures in the Emergency Department.”

Mohammadmahdi Farsiabi, May 2021, “Essays on Health Care Expenditures and Quality of the Environment.”

Sa-Ad Iddrisu, May 2019, “Health and Natural Capital in Augmented Solow Model.” (committee member)

Adit Doza, expected completion, August 2019, “Racial/Ethnic Differences in Mortality in Late Midlife: Have They Narrowed in Recent Years?” (committee member)

Naim Chy, March 2019, “Health and Medical Outcomes of Medicaid Expansion.”

Mohamma Toseef, June 2019, “Effects of Medicaid HMOs on Care Quality and Racial/Ethnic Healthcare Disparities.” (committee member)

Daniel Pastor, Completed March 2016, “Essays on Oil Price Volatility and Irreversible Investment.” (committee member)

### **Undergraduate Advisement / Direction:**

Ayesha Rahim, Winter 2024 “Role of Income Volatility in Medicaid Coverage”.  
Role: Advisor and reader for Honors College Thesis.

Mannat Bedi, Winter 2023 “The Creation of the Healthcare Development Index”  
Role: Advisor and reader for undergraduate Honors Thesis

Sergio Brilanti-Martinez, Winter 2021 “Potential of Precision Medicine”  
Role: Advisor and reader for undergraduate Honors Thesis

Halie Johnson, Winter 2021 “Benefits of Paid Maternity Leave in the U.S.”  
Role: Advisor and reader for undergraduate Honors Thesis

Rajdeep Kaur, Fall 2020 “Game theory role in allocation of water resources”  
Role: Advisor and reader for undergraduate Honors Thesis

Danielle Metivier, Winter 2020  
Role: Research Advisor

Dilraj Gill, Winter 2020 “Effect of Affordable Care Act on Insurance Company Valuation”

Role: Advisor and reader for undergraduate Honors Thesis

Mujtaba Hameed, Winter 2020

Role: Advisor and reader for undergraduate Honors Thesis

John Sedarous, Winter and Fall 2019, “Medicaid: Expansion, Waivers, and Legislation”

Role: Advisor and reader for undergraduate Honors Thesis

Gurbani Bedi, Winter 2019

Role: Phi Beta Kappa faculty honoree

Sanika Ingle, Winter 2019 “Families Living Under National Poverty Level in India”

Role: Mentor for Undergraduate Research Opportunity Program (UROP)

Obaidah Bitar, Fall 2018 – Winter 2019 “Cost-Effectiveness Analysis of Air Pollution Mitigation in Southwest Detroit”

Role: Advisor and reader for undergraduate Honors Thesis

Role: Phi Beta Kappa faculty honoree

Obaidah Bitar and Ramaiz Imran, Winter 2019 “Blessing Box Detroit”

Role: Advisor to student start-up

Saikishore Kukunoor, Fall 2018, “Price Sensitivities Associated with College Tuition”

Role: Advisor and reader for undergraduate Honors Thesis

Aamna Ijaz, Fall 2018 “Automation Effect on Economies”

Role: Advisor and reader for undergraduate Honors Thesis

Lukas Seifert, Winter 2018

Role: Phi Beta Kappa faculty honoree

Noor Abou-Ghaida, Winter 2018, “The Influence of Television on Children and Adolescents – Childhood Obesity, Consumerism, and Physical Activity”

Role: Advisor and reader for undergraduate Honors Thesis

Luke Antonczak Winter 2018, “The Impact of Economic Factors on the Opioid Epidemic”

Role: Advisor and reader for undergraduate Honors Thesis

Dhanushya Battepati, Fall 2017 – Winter 2018, “International Comparison of Health Systems.”

Role: Advisor and reader for undergraduate Honors Thesis

Saikishore Kukunoor Summer 2017, “Externalities of Junk Food.”

Role: Reader for undergraduate directed study.

Mukund Mohan, Fall 2016-Winter 2017, “Access to Healthcare – A Preliminary Analysis of Access to Healthcare Using Public Transportation.”

Role: Advisor and reader for undergraduate Honors Thesis

Malik Shaibi, Winter 2017, “Examining the Influence of Pharmacists on Healthcare Expenditure”.

Role: Reader for undergraduate directed study.



Zeeshan Haque, Winter 2016  
 Role: Phi Beta Kappa faculty honoree

### **Classroom Teaching**

Principles of Microeconomics (ECO2010), Department of Economics, Wayne State University (Fall 2024, Winter 2025)

Economics of Health Care (ECO7550, PhD level), Department of Economics, Wayne State University (Fall 2020, Winter 2022, Fall 2023, Winter 2024).

U.S. Health Care: Policy and Economics (ECO2550, undergraduate), Department of Economics, Wayne State University (Fall 2019, Winter 2020, Fall 2020, Winter 2021, Fall 2021, Winter 2022, Winter 2023)

Economics of Health Care (ECO 5550/6550, Master's level and undergraduate), Department of Economics, Wayne State University (Fall 2015, Fall 2016, Fall 2017, Fall 2018, Fall 2019, Fall 2021, Winter 2023).

Intermediate Microeconomics (ECO 5000, undergraduate), Department of Economics, Wayne State University (Fall 2014, Winter 2015, Winter 2016, Fall 2016, Winter 2017, Fall 2017, Winter 2018, Fall 2018, Winter 2020).

Principles of Microeconomics (ECO 2010, undergraduate), Department of Economics, Wayne State University (Fall 2014, Winter 2016, Winter 2017, Winter 2018).

Guest lecturer, Public Health and Population Based Care (PPR 6290/6235, doctoral course), Applebaum College of Pharmacy and Health Sciences, Wayne State University (Winter 2016, Winter 2017, Winter 2018)

### **CONFERENCE/SEMINAR PRESENTATIONS**

“Seasonal Allergy Blues: Is Our Mental Health Worse on High Pollen Days?” with Joelle Abramowitz.

“Seasonal Allergies and Mental Health: Do Small Health Shocks Affect Suicidality?” with Joelle Abramowitz and Owen Fleming.

**George Mason University, School of Policy and Government** MEP Seminar February 2024.

**American University, DPAP** Research Seminar Series. February 2024

**University of Michigan**, School of Public Health WIDTH Seminar, January 2024

**Southern Economic Association**, November 2023, New Orleans, LA.

**University of Pittsburgh**, Department Seminar, September 2023.

**University of Kansas**, Department Seminar, October 2023.

**American Society of Health Economists** Annual Conference, June 2022, Austin, TX.

**O’Neil School of Public and Environmental Affairs Health Policy Workshop**, November 2022, Bloomington, IN.

“Disparities in Health Care Utilization Among Individuals of Middle Eastern Ancestry in the United States” with Owen Fleming, Daniel Grossman, and David Slusky.

**Southern Economic Association**, November 2023, New Orleans, LA.

“Did Eviction Moratoria During COVID-19 Impact Healthcare Utilization? Evidence from Detroit” with Samantha Bauer, Phillip Levy, John Tarchick, Steven Korzeniewski.

**Association for Public Policy Analysis and Management**, November, 2022, Washington, DC.

**Southern Economics Association**, November 2022, Fort Lauderdale, FL.

“Disparities in Treatment Intensity Related to Health Insurance Coverage in Maryland” with Amanda Cook.  
**Association for Public Policy Analysis and Management**, November, 2022, Washington, DC.  
**Southern Economics Association**, November 2022, Fort Lauderdale, FL.

“Locking Up Restaurants: Did COVID-19 Shift Consumption Towards Fast Food?” with Jacob Whitman and Phillip Levy.  
**Southern Economic Association** Annual Conference, November 2021, Houston, TX.  
**American Society of Health Economists** Annual Conference, June 2022, Austin, TX.

“The COVID-19 Pandemic, Domestic Violence and the Riskiness of Alcohol Consumption” with Aaron Chalfin and Monica Deza.  
**National Bureau of Economic Research** COVID-19 and Health Outcomes Meeting, June 2021, Cambridge, MA.

“Hypertension in the ED as Insurance Changes” with Aaron Brody and Phillip Levy.  
**Southern Economic Association** Annual Conference, November 2019, Fort Lauderdale, FL.

“Office Visits Preventing Emergency Room Visits: Evidence from the Flint Water Switch”, with Daniel Grossman and David Slusky.  
**National Bureau of Economic Research** Health Care Program Meeting, December 2019, Cambridge, MA.  
**Southern Economic Association** Annual Conference, November 2019, Fort Lauderdale, FL.  
**National Bureau of Economic Research** Summer Institute, July 2019, Cambridge, MA.  
**American Society for Health Economists** Annual Conference, June 2019, Washington, DC.  
**Association for Public Policy Analysis and Management**, November, 2018, Washington, DC.  
**29<sup>th</sup> Annual Health Economic Conference**, October 2018, College Station, TX.

“Flint Water Contamination and Maternal Health Outcomes,” with Derek Jenkin.  
**Armenian Economic Association** Workshop for Women in Economics, February 2021. Virtual.  
**American Society of Health Economists** Annual Conference, June 2019, Washington, DC.  
**Health, History, Demography, and Development Research Day**, March 30, 2019, University of Michigan, Ann Arbor, MI.  
**Eastern Economic Association Conference**, March 2019, New York. NY.  
**American Society of Health Economists Annual Conference**, June 2018. Atlanta, GA.

“More Sneezing, Less Crime? Seasonal Allergies as Transitory Cost of Crime,” with Aaron Chalfin and Monica Deza.  
**Eastern Economic Association Conference**, March 2019, New York. NY.  
**Health, History, Demography, and Development Research Day**, April 20, 2018, University of Michigan, Ann Arbor, MI.

“Medicaid Expansion and Intensity of Treatment: Diagnoses and Procedures in the Emergency Department”  
**American Society of Health Economists** Annual Conference, June 2019, Washington, DC.  
**Eastern Economic Association Conference**, March 2019, New York. NY.  
**Health, History, Demography, and Development Seminar**, December 2016, University of Michigan, Ann Arbor, MI.  
**Eastern Economic Association Annual Conference**, New York, NY, February, 2017.  
**Population Association of America Annual Conference**, Chicago, IL, April, 2017.  
**International Health Economic Association Congress**, Boston, MA, July 2017.

**American Society of Health Economists Annual Conference**, June 2018. Atlanta, GA.

“The Hassle of Wellness: Do Peers and Health Status Matter?”

**Eastern Economic Association Annual Conference**, New York, NY. February, 2015.

**Health, History, Demography, and Development Conference**, University of Michigan, December 2014.

**Population Association of America Annual Conference**, Boston, MA. May 2014.

“Medical Utilization Under a Wellness Plan”

**Eastern Economic Association Annual Conference**, New York, NY. February, 2015.

**Eastern Economic Association Annual Conference**, New York, NY, February, 2017.

“Health Uncertainty and Medical Expenditure: A Model of Savings with Endogenous Transitions” **Annual Health Econometrics Workshop**, paper discussed by Donna Gilleskie (October 2011).

**New York State Economic Association Conference** (September 2011).

**Southern Economic Association Conference** (November 2011).

#### FELLOWSHIPS AND HONORS

Career Development Chair Award, Wayne State University, 2022

President’s Award for Excellent in Teaching, Wayne State University, 2020

College of Liberal Arts and Sciences Teaching-Mentoring Award, Wayne State University, 2019

College of Human Ecology Graduate Research Assistantship, 2012-2013

College of Human Ecology Graduate Fellowship, 2008-2009.

Phi Beta Kappa, 2000.

Hudson Trust Scholar, 1999-2000

Provost’s Undergraduate Research Award, 1999

Philip Schaefer Scholar, 1996-2000

Michael S. Applestein Scholar, 1996-2000

#### SERVICE

##### *Peer Reviewer*

2024-Present *Review of Economics and Statistics*

2021-Present *Journal of Policy Analysis and Management*

2021-Present *Economic Inquiry*

2020-Present *American Journal of Managed Care*

2020-Present *Applied Economics*

2020-Present *Journal of Human Resources*

2020-Present *American Journal of Health Economics*

2020-Present *International Journal of Health Economics and Management*

2020-Present *Medical Care Research and Review*

2019-Present *Health Economics*

2019-Present *Journal of Health Economics*

2019-Present *Economics and Human Biology*

2018-Present *Health Affairs*

2016-Present *Health Services Research*

##### *Profession*

2025 *American Society of Health Economist (ASHEcon) Annual Conference Program Area Chair (Child and Infant Health)*

2024-Present National Science Foundation, Grant Review

- 2024-Present Robert Wood Johnson Foundation, Grant Review  
2024 *American Society of Health Economist (ASHEcon)* Annual Conference Program Area Chair (Child and Infant Health)
- 2022-Present *American Society of Health Economist (ASHEcon)* Annual Conference Junior Faculty Mentoring Session, mentor (2022, 2023)
- 2020-Present *CSWEP Graduate Mentoring Workshop*, mentor (2020, 2021, 2022, 2023)
- 2020-Present *American Society of Health Economists (ASHE) ASSA Submission Review Committee*, member
- 2020–2023 Co-organizer and moderator, *Electronic Health Economics Colloquium (EHEC) series Successfully Navigating Your Economics PhD: A Mentoring Workshop for 3rd & 4th Year Women and Nonbinary PhD Students in Economics*, mentor.
- 2019-Present *American Economic Association Committee on Status of Women in Economics Profession (CSWEP)*, Representative at WSU.
- 2017, 2019 *Eastern Economic Association (EEA) Annual Conference*, Program Committee.
- 2018-2022 *American Society of Health Economists (ASHE) Annual Conference*, Scientific Committee.
- 2017 *Association for Public Policy Analysis and Management (APPAM) Annual Conference*, Session Organizer.
- 2015-2017 University of Cincinnati Center for Environmental Genetics, Grant Reviewer.
- 2014-2016 Armenian National Science and Education Fund, Reviewer.

#### *University*

- 2024- Present Wayne State School of Public Health Bylaws Committee
- 2024-Present College of Liberal Arts and Sciences (CLAS) Budget Advisory Committee
- 2024-Present College of Liberal Arts and Sciences (CLAS) Technology Committee
- 2023-Present Labor@Wayne Advisory Board member.
- 2020-Present Phi Beta Kappa, Gamma Chapter. At-Large Member (2020-2023), Treasurer (2024-Present)
- 2023-Present College of Liberal Arts and Sciences (CLAS) Graduate Education Committee
- 2023-Present College of Liberal Arts and Sciences (CLAS) Research Committee
- 2022 Office of Provost Career Development Chair (CDC) Award Committee
- 2021-2022 College of Liberal Arts and Sciences (CLAS) CEEM Review Committee
- 2020 College of Liberal Arts and Sciences (CLAS) Teaching Award Selection Committee.
- 2019-2020 College of Liberal Arts and Sciences (CLAS) Diversity and Inclusion Committee.
- 2019-Present HCUP Data Custodian, Integrative Biosciences Center
- 2019 Panel member, *Health Equity Research Conference*, April 14, 2019
- 2019-Present *American Economic Association Committee on Status of Women in Economics Profession*, Representative at WSU.
- 2018-2019 Grant Reviewer, University Research Grant Committee, Social and Behavioral Sciences and Laws Subcommittee
- 2017-Present Biostatistics and Epidemiology Research Design (BERD) Core, Integrative Biosciences Center, Faculty Associate
- 2017-2018 College of Liberal Arts and Sciences Election Committee

#### *Department*

- 2022–2024 Personnel Committee
- 2022–2024 Salary Committee
- 2021–2022 Undergraduate Committee
- 2020-Present Director, Health Economic Research and Analysis Group
- 2019-Present Co-chair, Seminar Committee, Department of Economics

2019-2020	Applied Microeconomics Reading Group, Co-organizer and Adviser, Department of Economics
2020-Present	Graduate Committee, Department of Economics
2020	Ad-Hoc Search Committee for Administrative Assistant, Department of Economics
2020	Ad-Hoc Committee on Doctoral Student Support, Department of Economics
2018	Curriculum Subcommittee on General Education Courses, Department of Economics
2017-2020	Budget Committee, Department of Economics
2016-2020	Undergraduate Committee, Department of Economics
2011-2012	Cornell University, Graduate Students in Policy Analysis and Management, President
2009-2010	Cornell University, Graduate Student Association for Economics, Co-President

**PROFESSIONAL AFFILIATIONS**

American Economic Association  
 American Society of Health Economists  
 International Health Economic Association  
 Population Association of America  
 Association for Public Policy Analysis and Management  
 Eastern Economic Association  
 Midwestern Economic Association

**UNFUNDED GRANTS**

2025-2029	“Emergency Department-Initiated, Team-based care to reduce Severely elevated Blood Pressure (EDIT-SBP)” Source: NIH PI: Joseph Miller (Henry Ford Health Systems) and Phillip Levy (co-PI) Amount: \$3,906,587 Role: Co-Investigator (5%)
2025-2029	“Surveillance and Identification of Respiratory Infection (SIRI)” Source: CDC (RFA-IP-24-045) Amount: \$26,249,999 PI: Jeffrey Klein Role: Co-investigator (5%)
2025-2029	“Suicidality in Rural Areas: Impact of Seasonal Pollen on Mental Health and Health Care in Mid-Life and Older Adulthood.” Source: NIH (R01 PA-20-185) Amount: \$2,850,655 Role: PI
2023-2024	“Implementation of a Self-Care Plan for Patients with Acute Heart Failure Discharged from the ED” Source: Patient Centered Outcomes Research Institute (PCORI) Award Amount: \$123,841 Role: Site-PI
2022-2025	“Mental Health and Suicide at Mid-life: The Interaction of Seasonal Pollen and Place-based Factors” Source: National Institutes of Health (1 R01 AG)

- Award Amount: \$1,155,207  
Role: PI
- 2021-2023 “SCH: Reducing Hypertension Disparities Through Trustworthy Artificial Intelligence.”  
Source: National Science Foundation  
Award Amount: \$1,199,976  
Role: co-PI
- 2021-2023 “Catch Up Detroit! Mobile Pediatric Vaccination Events to Offset Delayed Care During COVID-19.”  
Source: Michigan Health Endowment Foundation  
Award Amount: \$100,000  
Role: Lead PI
- 2021-2023 “Catch Up Detroit! Mobile Pediatric Vaccination Events to Offset Delayed Care During COVID-19.”  
Source: Blue Cross Blue Shield of Michigan Foundation  
Award Amount: \$50,000  
Role: Lead PI
- 2020-2024 “SCH: INT: Reducing Hypertension Disparities Through Trustworthy Artificial Intelligence”  
Source: National Science Foundation  
Award Amount: \$1,198,424  
Role: co-PI (11% effort)
- 2019-2024 “Leveraging Visual Analytics to Improve Hypertension Guideline Delivery to African Americans”  
Source: NIH R01  
Award Amount: \$1,614,371  
Role: co-Investigator (10% effort)
- 2020-2021 “Understanding the Effects of Pollen on Suicide and Mental Health”  
Source: University Research Grant, Office of the Provost, Wayne State University  
Award Amount: \$9,999  
Role: PI
- 2020-2023 “FAI: Democratization or exclusion? A systematic learning-to-debiasing approach”  
Source: National Science Foundation (NSF 19-571)  
Award Amount: \$1,250,000  
Role: co-PI
- 2020-2021 “At the Heart of Public Health: Changing Role of Emergency Departments in Delivery of Hypertension Care in Rural and Urban Medically Underserved Communities”  
Source: National Institute of Health Care Management (NIHCM) Foundation  
Award Amount: \$100,000  
Role: PI
- 2019-2023 “SCH: INT: Health in a Community Context: Integrating neighborhood, health system, and individual smart device data to design precision and cost-effective health interventions”

- Source: National Science Foundation  
Award Amount: \$1,199,882  
Role: co-PI
- 2019-2021 “H2H: a free community-aware and person-centered chatbot app for seniors to maintain a healthy blood pressure”  
Source: Michigan Health Endowment Fund  
Award Amount: \$100,000  
Role: co-PI
- 2019-2020 “Applied Methods for Interdisciplinary Research: Developing Curriculum”  
Source: Office of Teaching and Learning, Wayne State University  
Award Amount: \$5,000  
Role: PI
- 2019-2021 “A Novel Diagnostic Algorithm for Reducing CT Pulmonary Angiography”  
Source: Blue Cross Blue Shield of Michigan Foundation  
Award Amount: \$100,195  
Role: co-Investigator (4% effort)
- 2019-2024 “Enhancing health system factors to reduce disparities in implementation of hypertension guidelines”  
Source: Henry Ford Health Systems  
Award Amount: \$849,899  
Role: co-Investigator (13% effort)
- 2018-2021 “COBALT: Corrections-based Opioid Brief Intervention, Advancing Linkages to Treatment”  
Source: CDC (RFA-CE-18-006)  
Award Amount: \$2,259,080  
Role: co-Investigator (10% effort)
- 2018-2019 “Emergency Department Work Intensity: Analysis of State Emergency Department Databases and State Inpatient Databases, 2013-2014”  
Source: Emergency Medicine Foundation  
Award Amount: \$50,000  
Role: co-PI
- 2018-2019 “Flint Water Contamination and Children’s Health: Analysis of Medicaid Claims”  
Source: CURES 2018 Pilot Project  
Award Amount: \$50,000  
Role: PI
- 2017-2019 “Flint Water Contamination and Children’s Health: Analysis of Medicaid Claims”  
Source: Blue Cross Blue Shield of Michigan Foundation  
Award Amount: \$75,000  
Role: PI
- 2015-2016 “Effects of Air Pollution on Infants and Children”  
Source: INPHAASE 2015  
Award Amount: \$64,811

Role: PI