Jaehyun Choi

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Education

Indiana University Bloomington, O'Neill School of Public and Environmental Affairs
Ph.D. in Public Affairs — Expected May 2027
Policy Analysis (major) and Public Finance (minor)

University of Southern California, Sol Price School of Public Policy
Master of Public Policy — May 2023

Yonsei University, Underwood International College
B.A. in Political Science and Economics — Mar 2020

Research Interests

Health Economics, Fertility, Reproductive Health, Infant Health, Maternal Health

Research Experience

Indiana University, O'Neill School of Public and Environmental Affairs
Research Assistant for Kosali Simon — Aug 2026–Present
Research Assistant for Coady Wing — Aug 2023–Jul 2025
Research Assistant for Alberto Ortega — Aug 2023–Jul 2025

University of Southern California, Sol Price School of Public Policy
Research Assistant for Homelessness Policy Research Institute — Sept 2022–May 2023
Research Assistant for Antonio Bento — Dec 2021–Aug 2022

Teaching Experience

Instructor of Record:
V379 Performance Measurement and Program Evaluation — Fall 2025, Spring 2026

Graduate Teaching Assistant:
V706 PhD Econometrics — Fall 2026

Guest Lecturer:
High Performance Computing: SLURM, Quartz supercomputer & Slate storage — Spring 2026

Job Market Paper

The Marginal Value of a Diagnosis: Evidence from Gestational Diabetes

Abstract: Questions about whether the benefits of additional medical spending exceed their costs have long been studied in the health economics literature, but the marginal returns to care

during pregnancy have received little attention. I study gestational diabetes mellitus (GDM), an increasingly common pregnancy complication, and estimate the marginal returns to diagnosis. I use a regression discontinuity design and compare patients just above and just below the diagnostic threshold. Using MarketScan claims and laboratory data, I find that diagnosis at the margin increases a woman's out-of-pocket spending on diabetes and nutrition services by approximately $28 per additional diagnosis, while producing no detectable increase in total pregnancy spending. For this modest increase in spending on these services, crossing the threshold yields substantial infant health benefits: women diagnosed at the margin have 1.36 percentage points lower rates of infant macrosomia and 1.33 percentage points lower rates of NICU admission. Relative to the rates just below the cutoff, these declines are roughly 60 and 55 percent.

Working Paper

"Timing of GLP-1 Receptor Agonist Fills Relative to Conception Among Commercially Insured Women" with Angela Campbell, Emily Hansen, Kelli Ryckman, Anthony Shanks, Kosali Simon, and Coady Wing. Revise and resubmit, *American Journal of Obstetrics & Gynecology*

"Migration Responses to State Abortion Policy" with Teresa Molina and Nicole Siegal. *Under Review*

"Contraception Responses to Abortion Bans" with Mallory Dreyer, Nicole Siegal, Kosali Simon, and Coady Wing

"Exploring the Dynamics of Incident to Billing Practices: Implications of Full Practice Authority for Nurse Practitioners" with Megdalynn Fisher, David Mitchell, and Coady Wing

"Difference-in-Differences and Staggered Adoption Design (Book Chapter)" with Seth Freedman, Jennifer Mangano, and Coady Wing

"Blades of Glory? The Impact of Wind Farms on Crime" with Alberto Ortega and Nikolaos Zirogiannis

Selected Works in Progress

"Place Effects on Fertility: Evidence from the U.S. Military Duty-Station Assignments" with Laura Armey, Ryan Sullivan, and Coady Wing

"Scope of Practice Rules and Nurse Labor Supply" with Brian Phelan and Coady Wing

"Ozempic Babies? The Effects of GLP-1 Agonists on Fertility" with Sih-Ting Cai and Coady Wing

"Geographic Reach of the Reversal in US Drug Overdose Mortality" with Sumedha Gupta, Nicole Siegal, and Kosali Simon.

"Migration and Fertility Decisions over the Life Course (Federal Statistics Research Data Center Project)" with Coady Wing

"The Economic Implications of Supply in the Care Economy (Federal Statistics Research Data Center Project)" with Seth Freedman, Cydney McGuire, Alberto Ortega, Nilesh Shinde, Kosali Simon, Coady Wing, and Maranna Yoder

"Effects of COVID-19 Vaccine Access on Learning Outcomes: Evidence from Indiana's Vaccine Roll-out" with Alberto Ortega and Coady Wing

Conference Presentations

2026: AEA/ASSA Annual Meeting, Statewide IT Conference, MPSA Conference, ASHEcon Annual Conference, WEAI Annual Conference, Institute for Humane Studies (IHS) Graduate Conference for the Social Sciences
2025: ASHEcon Annual Conference, APPAM Annual Conference, Southern Economic Association Annual Meeting

Invited Seminar

"Contraception Responses to Abortion Bans" Ball State University — Feb 21, 2026

Professional Experience

Yulchon LLC, Seoul, Korea — Jan 2020–Jul 2020
Paralegal for US attorneys in the Corporate and Finance Team

Korea Defense Intelligence Command (Air Force), Anyang, Korea — Sept 2015–Sept 2017
Korean-English Interpreter

Grants, Fellowships, and Awards

Don Lavoie Fellowship (Mercatus Center at George Mason University)	2026-2027
The Advanced Cyber-infrastructure Fellowship	2025–2026
IHS Graduate Conference for the Social Sciences, Selected Presenter Honorarium	2026
APPAM Registration Grant	2025
O'Neill Conference Travel Grant	2025, 2026
O'Neill School Summer Fellowship	2024, 2025

Service

Health Policy Workshop Coordinator	2025–Present
O'Neill Ph.D. Student Association Policy Analysis Major Representative	2025–Present

Skills

High Performance Computing (SLURM on Indiana University Quartz cluster), Stata, R, Python

References

Kosali Simon
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O'Neill School of Public and Environmental Affairs
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