

**HANNAH BAE**  
ECONOMICS DEPARTMENT  
UNIVERSITY OF CALIFORNIA SAN DIEGO

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Placement Director	Kaspar Wuthrich		<a href="mailto:kwuthrich@ucsd.edu">kwuthrich@ucsd.edu</a>
Placement Coordinator	Andrew Flores	(858) 534-1867	<a href="mailto:econ-jobmarket@ucsd.edu">econ-jobmarket@ucsd.edu</a>

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**CONTACT INFORMATION**

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Department of Economics	Phone:	(858) 344-8942
University of California San Diego	Email:	<a href="mailto:hbae@ucsd.edu">hbae@ucsd.edu</a>
9500 Gilman Drive	Website:	<a href="https://acsweb.ucsd.edu/~hbae/">https://acsweb.ucsd.edu/~hbae/</a>
La Jolla, CA 92093-0508		

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**EDUCATION**

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Ph.D., Economics, University of California San Diego, June 2024 (expected)

Committee: Katherine Meckel (Chair), Jeffrey Clemens, Julie Cullen, Gordon Dahl, Todd Gilmer

M.A., Economics, Sungkyunkwan University, August 2018

B.A., Economics, Sungkyunkwan University, February 2017

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**FIELDS OF INTEREST**

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Health Economics, Public Economics, Labor Economics

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**WORKING PAPERS**

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[“Can Redrawing Boundaries Save Lives? Evidence from a Reform of the Kidney Allocation System”](#) (JMP)

*Winner of the Best Job Market Paper Award at the [2023 KAEA Job Market Conference](#)*

*Abstract:* In the U.S., about 5 percent of those waiting for kidney transplants die each year, while a similar number of donated kidneys are discarded before they can be matched to a recipient. I study a reform of the kidney allocation system that involved re-drawing the areas within which donated organs are matched to patients from fixed regions to circles around each donor hospital. To estimate the causal effects of the reform, I exploit the sharp timing of its implementation as well as variation in predicted treatment intensity across transplant centers. I create a novel dataset consisting of detailed administrative information on the universe of donated organs, transplant candidates, and transplant centers using SRTR transplant registry data. I find that the reform led to a 17 percent decrease in the share of donated kidneys that were discarded and reduced mortality among transplant candidates. I document important distributional effects - kidney recipients after the reform were more likely to have extended dialysis history and from counties with higher marginalized populations.

[“Dependent Insurance Coverage and Parental Job Mobility: Evidence from the Affordable Care Act”](#)

with Katherine Meckel and Maggie Shi (available as NBER Working Paper 30200), *submitted*

*Abstract:* A common feature of employer-sponsored insurance is coverage for dependents. While prior work shows that employees trade off job mobility for their own coverage, there is less evidence on the intra-family spillovers of dependent coverage onto parental labor supply. We study this using a panel of insurance claims that links dependent insurance enrollment with a proxy for parental job tenure. We develop a regression discontinuity design that exploits variation in coverage eligibility by dependent birth date from the Affordable Care Act. We find that a one percent increase in the dependent enrollment likelihood increases parental job retention by 0.20 percent.

**“Economic Evaluation of Remote Monitoring for Implantable Cardiac Devices: Evidence from a Clinical Trial in Korea”** with YouMi Hwang, *submitted*

*Abstract:* Remote patient monitoring (RM) adoption is especially relevant for patients with implantable cardiac devices due to their high risk of hospitalization and the need for frequent outpatient visits. However, RM may increase healthcare provider workload, potentially impacting the quality of care and increasing burnout risk. Using data from a non-randomized clinical trial conducted in 2021-2022 at a university hospital in Korea, we examine the relationship between RM adoption and changes in patient time savings and clinician workload. For patients, RM was associated with a 41-minute decrease in total visit duration, attributed to decreases in both wait time (37 minutes) and total examination time (3.7 minutes). For clinicians, RM was linked to an increase in overall workload by 107.9 minutes per patient. Our findings suggest that RM was associated with a decrease of 1,540 KRW (or 44 percent) in cost of care per minute.

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**WORK IN PROGRESS**

“The Increase in the Full Retirement Age and Early Retirement Decisions”

*Winner of the Boston College Dissertation Fellowship in Retirement Research*

“Quality Labeling and Allocation Decisions of Scarce Organs”

“From Welfare to Work: Transitional Medical Assistance Program on Parental Labor Supply”

*Draft available upon request*

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**PUBLICATIONS**

“[The First Remote Monitoring Experience in South Korea: Results of a Remote-Care Study](#)” with YouMi Hwang, *EP Europace*, 25(6), June 2023.

“[Patient Outcomes Associated with the First Remote Monitoring Experience of Cardiac Implantable Electronic Devices in South Korea](#)” with YouMi Hwang, *Clinical Interventions in Aging*, 18, 1587-1595, 2023.

“[Changes in Early Labor Market Outcomes among Young College Graduates in South Korea](#)” with Jaesung Choi, *The ANNALS of the American Academy of Political and Social Science*, 688(1), 115–136, 2020.

“[Analysis on the Supply of Private Supplementary Education in Seoul Using Administrative Data on Hagwon](#)” with Sanggyun Moon and Jaesung Choi, *Survey Research*, 17(3), 81-108, 2016. (in Korean)

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**FELLOWSHIPS, GRANTS, AND AWARDS**

Best Job Market Paper Award, Korea-America Economic Association	2023
Clive Granger Research Fellowship Award, UC San Diego (\$3,000)	2023
Boston College Dissertation Fellowship in Retirement Research (\$28,000)	2023-2024
Department Travel/Research Grants, UC San Diego (\$2,000)	2023
Advancement to Candidacy Fellowship, UC San Diego (\$9,000)	2021-2022
Graduate Student Research Grant, UC San Diego (\$3,000)	Summers 2019, 2020
Regent’s Fellowship, UC San Diego (\$13,000)	2018-2019
Kwanjeong Educational Foundation Scholarship for Domestic Graduate Students	2017-2018
The Next Century Humanities Scholarship, Korea Student Aid Foundation	2015-2016

Woosuk Jeongho Scholarship, Sungkyunkwan University	2014
Academic Excellence Scholarship, Sungkyunkwan University	2014

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### **TEACHING EXPERIENCE**

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#### **Instructor of Record** at UC San Diego

Econometrics A (Undergraduate), Summer Session I 2022

#### **Teaching Assistant** at UC San Diego

Market Failures (Master's level, School of Global Policy and Strategy), Prof. Julie Cullen, Winter 2022/2023

Public Economics: Expenditures I (Undergraduate), Prof. Katherine Meckel, Fall 2021; Spring 2023

Econometrics A (Undergraduate), Prof. Graham Elliott, Fall 2022

Econometrics A, C (Undergraduate), Prof. Munpyung O, Spring 2021; Fall 2019/2020; Spring 2020

Economics of Education (Undergraduate), Prof. Julian Betts, Fall 2020

Financial Markets (Undergraduate), Prof. Munpyung O, Winter 2021

Human Resources (Undergraduate), Prof. Julian Betts, Winter 2020; Spring 2022

#### **Teaching Assistant** at Sungkyunkwan University

Labor Informatics (Undergraduate), Prof. Jaesung Choi, Spring 2018

Labor Economics (Undergraduate), Prof. Jaesung Choi, Fall 2017

Intermediate Microeconomic Theory (Undergraduate), Prof. Chamna Yoon, Spring 2017

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### **PREVIOUS EMPLOYMENT**

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Research Assistant, Prof. Katherine Meckel, Fall 2023

Visiting Academic, Research Assistant to Prof. Jinkook Lee, The Center for Economic and Social Research at USC, Summers 2020 and 2021

Research Assistant, Prof. Jaesung Choi, 2015-2018

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### **PROFESSIONAL ACTIVITIES**

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#### *Presentations*

2023: American Society of Health Economists, Western Economic Association International Annual Conference (x2), KAEA Job Market Conference.

2018: KAEA-KEA Joint International Conference (Sungkyunkwan University), Spring Meeting of the Population Association of Korea (Seoul National University).

2016: SKKU-USC Joint Economic Research Conference (USC).

#### *Discussions*

2023: American Society of Health Economists, Western Economic Association International Annual Conference (x2).

#### *Referee Service*

Asia Pacific Education Review, International Economic Journal

**OTHER INFORMATION**

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Citizenship: Republic of Korea

Languages: Korean (native), English (fluent), Japanese (intermediate)

Skills: Stata, R, Python, QGIS, MATLAB

**REFERENCES**

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Katherine Meckel (Chair)  
Associate Professor  
Department of Economics  
University of California San Diego  
(401) 529-0761  
[kmeckel@ucsd.edu](mailto:kmeckel@ucsd.edu)

Julie Berry Cullen  
Professor  
Department of Economics  
University of California San Diego  
(858) 822-2056  
[jbcullen@ucsd.edu](mailto:jbcullen@ucsd.edu)

Jeffrey Clemens  
Associate Professor  
Department of Economics  
University of California San Diego  
(858) 534-5713  
[jeffclemens@ucsd.edu](mailto:jeffclemens@ucsd.edu)

Gordon Dahl  
Professor  
Department of Economics  
University of California San Diego  
(858) 822-0644  
[gdahl@ucsd.edu](mailto:gdahl@ucsd.edu)