

# GUE SUNG CHOI

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## EDUCATION

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<b>University of Texas at Austin</b> Ph.D in Economics	2018 - 2024 (Expected)
<b>University of Texas at Austin</b> M.Sc. in Economics	2018 - 2019
<b>Yonsei University, South Korea</b> B.A. in Economics, Minor in Applied Statistics	2011 - 2016

## REFERENCES

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<b>Richard Murphy</b> Associate Professor Department of Economics, UT Austin +1 (512)475-8525 richard.murphy@austin.utexas.edu	<b>Stephen J. Trejo</b> Professor Department of Economics, UT Austin +1 (512)475-8512 trejo@austin.utexas.edu
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**Manuela Angelucci**  
Associate Professor  
Department of Economics, UT Austin  
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## RESEARCH INTERESTS

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Public Economics, Education Economics, Health Economics, Labor Economics

## WORKING PAPERS

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**Included To Be Excluded: Accountability Pressure and Students in Special Education**  
*Job Market Paper*

This study examines how schools respond to accountability pressures to students with disabilities and how such strategic responses affect students' long term outcomes. Using a unique statewide reform in Texas that incorporated students in special education into the school accountability ratings and administrative data for all public schools in Texas, I find that schools responded to the reform by granting mass test exemptions to students in special education as a means of safeguarding their ratings. The weakest students were more likely to be removed. Cohort-level analyses show that this led to negative long-term outcomes such as less high school graduation and employment in adulthood. These results indicate that poorly designed school incentives could yield unintended school behaviors and consequently negative impacts on students that were intended to be helped, even in the long-run.

**Enduring Pain: Effect of the ACA Medicaid Expansion on Over-the-Counter Pain Medication Purchases**  
*2nd Year Paper, Under Review*

Over-the-counter (OTC) medications are pharmaceuticals that consumers can access without prescriptions from healthcare providers. Although they serve as a major input for self-treatment by disadvantaged patients, little is known about interactions between insurance coverage and OTC drug use. I study how the expansion in public health insurance eligibility affects local OTC pain medication sales by leveraging the Affordable Care Act (ACA) Medicaid expansion in 2014 with a rich retail scanner dataset. A difference-in-differences framework interacted with a treatment dosage measure showed that 1 percent point increase in initial share of uninsured population eligible to expanded Medicaid leads to 0.4 percent reduction in sales of OTC oral pain medications after Medicaid expansion. This result, combined with previous literature, suggests that new health insurance benefits could have induced patients to substitute to more professional healthcare from self-medication with OTC drugs.

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**PUBLICATIONS**

**Optimal Wage Contracts under Reference-Dependent Preferences**  
*Journal of Economic Theory and Econometrics, 54, March 2021. (with Jaeok Park)*

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**WORKS IN PROGRESS**

**Impact of PDMP Mandates on Patients' Pain Management**

Recent ongoing opioid epidemic of U.S. led many state governments to reinforce existing Prescription Drug Monitoring Programs (PDMP). While previous literature has examined its direct impact on a number of outcomes including opioid prescriptions and spillover effects to illegal substances, how patients have legally complemented the opioid tapering has not been studied. In this paper, I explore how mandated PDMPs (MA-PDMPs) in response to the opioid crisis have affected utilization of other pain management options such as non-opioid pain reliever prescriptions and Over-The-Counter (OTC) pain medication purchases. Despite guidelines from CDC and state governments that recommend prescribers to give non-opioid prescriptions after opioid tapering, I find no evidence of change in prescriptions of those substances. Instead, patients seem to have substituted toward OTC pain medications, which showed significant increases in sales, especially of drugs marketed for patients with chronic pain.

**Does Financial Distress Make Hospitals Unethical? :  
Evidence From ACA Medicaid Expansion and Medicare Upcoding**  
*(with Kiyea Jin)*

**Fixed Pay Raises and Monopsony Within Schools**

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**HONORS**

Graduate Student Data Grant, University of Texas at Austin	2022 - 2023
High Honors at Graduation, Yonsei University	2016
Undergraduate Student Scholarship, Korea Foundation for Advanced Studies	2015 - 2016
The Next Century Humanities Scholarship, Korea Student Aid Foundation	2011 - 2016
Yonsei Honor Student Scholarship, Yonsei University	2011 - 2016

## RESEARCH EXPERIENCE

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Research Assistant, Factor Health, Dell Medical School, UT Austin	2021 - 2023
Research Assistant for Prof. Jay Pil Choi, Michigan State University	2016

## TEACHING EXPERIENCE

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### Teaching Assistant

#### The University of Texas at Austin

Mathematical Intermediate Microeconomics (Prof. Maxwell B. Stinchcombe),	Fall 2023
Introduction to Microeconomics (Prof. Wayne Hickenbottom),	Fall & Spring 2020
Introduction to Econometrics (Prof. Brandan Kline),	Fall & Spring 2019
Introduction to Econometrics (Prof. Stephen Donald)	Fall 2018

#### Yonsei University, South Korea

Game Theory and Its Applications (Prof. Sunku Hahn)	2015 - 2016
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## PROFESSIONAL ACITIVITIES

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### Conferences and Seminars

Southern Economic Association Annual Meeting	2023 (Scheduled)
STATA Texas Empirical Microeconomics Conference	2023

## SKILLS

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### Programming Languages and Frameworks

Stata, MATLAB, Python, R, Mathematica

### Languages

English (Fluent), Korean (Native)