

# Gulcan Cil

Oregon Research Institute  
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Center for Evidence-based Policy  
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## EDUCATION

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Ph.D. Economics, University of Oregon, 2010-2015.

M.A. Economics, University of Illinois at Chicago, 2007-2009.

B.S. Economics, Middle East Technical University, Turkey, 2000-2005.

## RESEARCH INTERESTS

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General areas of specialization: Applied econometrics, health economics

Specific interests: Policy evaluation, environmental health, public health, maternal and infant health, geriatric health, substance use, cost effectiveness analysis.

## EXPERIENCE

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2023-present: Senior Statistician, Center for Evidence-based Policy, School of Medicine, Oregon Health & Science University, Portland, OR.

2019-present: Associate Research Scientist, Oregon Research Institute (ORI), Springfield, OR.

2019-2021: Courtesy Research Associate, Dept. of Economics, University of Oregon, Eugene, OR.

2018-present: Health Economist, Influents Innovations, Springfield, OR.

2018-present: Data Analyst, ORI Community and Evaluation Services, Springfield, OR.

2017-2019: Next-Gen Researcher, ORI, Eugene, OR

2016-2017: Instructor, Department of Economics, Univ. of Oregon, Eugene, OR.

2015- 2019: Courtesy Post-doctoral Research Fellow, Mikesell Environmental & Resource Economics Research Lab, Dept. of Economics, Univ. of Oregon, Eugene, OR.

2015-2016: Post-Doctoral Research Fellow, U.S. Environmental Protection Agency, Center for Public Health and Environmental Assessment, Pacific Ecological Systems Division, Corvallis, OR.

2010-2015: Graduate Teaching Fellow, Dept. of Economics, Univ. of Oregon, Eugene, OR.

2007-2010: Graduate Teaching Fellow, Dept. of Economics, Univ. of Illinois at Chicago, Chicago, IL.

2006-2007: Research Assistant, Center for Economic Education, Dept. of Economics, Univ. of Illinois at Chicago, Chicago, IL.

## **PUBLICATIONS**

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- Cil, G.**, Chaparro, E., Dennis, C., Smolkowski, K. (2023). The cost effectiveness of an English language curriculum for middle school English learners. *School Psychology*, 38(1), 48-58. <https://doi.org/10.1037/spq0000515>
- Van Ryzin, M., **Cil, G.**, Roseth, C. (2022). Costs and benefits of cooperative learning as a universal school-based approach to adolescent substance use prevention. *Journal of Community Psychology*, 51:1, 438-452. <https://doi.org/10.1002/jcop.22916>
- Cil, G.**, and Kim, J. (2022). Extreme temperatures during pregnancy and adverse health outcomes: Evidence from 2009-2018 U.S. national birth data. *Health Economics*, 31:9, 1993-2024. <https://doi.org/10.1002/hec.4559>
- Bergen, A.W., **Cil, G.**, Sargent, L. J., Dave, C.V. (2022). Frailty risks of prescription analgesics and sedatives across frailty models: the Health and Retirement Study. *Drugs and Aging*, 39, 377-387. <https://doi.org/10.1007/s40266-022-00941-2>
- Smolkowski, K., Walker, H., Marquez, B., Kosty, D., Vincent, C., Black, C., **Cil, G.**, Strycker, L. (2022). Evaluation of a social skills program for early elementary students: We Have Skills. *Journal of Research on Educational Effectiveness*, 15:4, 717-747. <https://doi.org/10.1080/19345747.2022.2037798>
- Clarke, B., **Cil, G.**, Smolkowski, K., Sutherland M., Turtura, J., Doabler, C., Fien, H., and Baker, S. (2020). Conducting a cost effectiveness analysis of an early numeracy intervention. *School Psychology Review*, 49:4, 359-373. <https://doi.org/10.1080/2372966X.2020.1761236>
- Cil, G.**, Park, J., Bergen, A.W. (2019). Self-reported prescription drug use for pain and for sleep and incident frailty. *Journal of the American Geriatrics Society*, 67: 2474–2481. <https://doi.org/10.1111/jgs.16214>
- Cil, G.** (2017). Effects of posted point-of-sale warnings on alcohol consumption during pregnancy and on birth outcomes. *Journal of Health Economics*, 53: 131-155. <https://doi.org/10.1016/j.jhealeco.2017.03.004>
- Cil, G.**, and Cameron, T.A. (2017). Potential climate change health risks from increases in heat waves: Abnormal birth outcomes and adverse maternal health conditions. *Risk Analysis*, 37(11): 2066-2079. <https://doi.org/10.1111/risa.12767>

## **MANUSCRIPTS UNDER REVIEW**

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- Cil, G.**, Winters, K., Kittelman, A., Austin, S., Smolkowski, K., Westling, E., Seeley, J., “Legalization and retail availability of recreational marijuana and adolescent use in schools.” Revisions requested from *Health Economics*.
- Coelho, P., Stavrianeas, S., **Cil, G.**, Bergen, A., “Chronic pain comorbidities support individualized behavioral health approaches.”

## GRANTS

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*ReACT: Testing the effects of a promising intervention to achieve equity in school discipline*

U.S. Department of Education, Institute of Education Sciences, 2023 - 2028

Role: Cost analyst (PI: Kent McIntosh)

*Transforming adolescent mental health through accessible, scalable, technology-supported small-group instruction*

National Institutes of Health/ National Institute of Mental Health (R01), 2022 - 2027

Role: Co-Investigator (PI: Van Ryzin)

*Reading Mastery Project (RMP)*

U.S. Department of Education, Institute of Education Sciences, 2022 - 2027

Role: Cost analyst (PI: Kelli Cummings)

*Effects of CIRCLES on the Provision of Transition Services and Resulting Transition Outcomes for Students with Disabilities: A New Efficacy Study*

U.S. Department of Education, Institute of Education Sciences, 2022 - 2027

Role: Cost analyst (PI: Valerie Mazzotti)

*Motivational enhancement to augment contingency management for SARS-CoV-2 testing and vaccination utilization among syringe exchange clients*

National Institutes of Health/National Institute on Drug Abuse (U01), 2022 - 2024

Role: Consultant (PI: Anne Marie Mauricio/Elizabeth Stormshak)

*Internet-based cognitive behavioral therapy for maternal depression: Community implementation in Head Start*

National Institutes of Health/National Institute of Mental Health (R01), 2021 - 2026

Role: Co-Investigator (until 2023) (PI: Lisa Sheeber/Ed Feil)

*The Development and Pilot Testing of an Intensive Tier 3 Reading Intervention in the Early Grades*

U.S. Department of Education, Institute of Education Sciences, 2021 - 2025

Role: Cost analyst (PI: Nancy Nelson)

*Project BASICS (Behavioral Accountability for a Successful Instructional Climate in Schools)*

U.S. Department of Education, Institute of Education Sciences, 2021 - 2025

Role: Consultant (PI: Claudia Vincent)

*Media-enhanced technology for promoting the behavioral health and family relationships of typically developing young siblings*

National Institutes of Health/National Institute of Minority Health and Health Disparities (R43), 2021 - 2022

Role: Data analyst (PI: Jessie Marquez/Patricia Vadasy)

*Examining the Efficacy of Friends on the Block: An Intensive Early Literacy Intervention for Elementary Students with Intellectual and Developmental Disability*

U.S. Department of Education, Institute of Education Sciences, 2020 - 2025

Role: Cost analyst (PI: Jill Allor)

*A Systematic Replication of Tier 2 Kindergarten Mathematics Intervention*

U.S. Department of Education, Institute of Education Sciences, 2020 - 2025

Role: Cost analyst (PI: Ben Clarke)

*A Comprehensive Measure of Reading Fluency: Uniting and Scaling Accuracy, Rate, and Prosody*  
U.S. Department of Education, Institute of Education Sciences, 2020 - 2024  
Role: Consultant (PI: Joseph Nese)

*Project GROW*

U.S. Department of Education, Institute of Education Sciences, 2020 - 2024  
Role: Consultant (PI: Stephanie Al Otaiba)

*Project LEAPS: Latino Education After Public School*

U.S. Department of Education, Institute of Education Sciences, 2020 - 2024  
Role: Consultant (PI: Charles Martinez)

*Evaluation of We Have Choices, an Upper-Elementary Self-Management Program*

U.S. Department of Education, Institute of Education Sciences, 2019 - 2024  
Role: Co-Investigator/Cost analyst (PI: Keith Smolkowski)

*PAWS: Efficacy*

U.S. Department of Education, Institute of Education Sciences, 2019 - 2024  
Role: Consultant (PI: Cynthia Puranik)

*Paths to the Future for Young Men*

U.S. Department of Education, Institute of Education Sciences, 2019 - 2023  
Role: Consultant (PI: John Lind)

*READY for WAGES: Research on Employment of Adjudicated Youth through Working at Gaining Employment Social Skills Curriculum*

U.S. Department of Education, Institute of Education Sciences, 2015 - 2019  
Role: Consultant (PI: Deanne Unruh)

*An Investigation of Direct Instruction Spoken English for At-Risk English Learners*

U.S. Department of Education, Institute of Education Sciences, 2015 - 2019  
Role: Cost analyst (PI: Barbara Gunn)

*Evaluation of We Have Skills, A Multimedia Classroom Level Social Skills Program for Elementary Students*

U.S. Department of Education, Institute of Education Sciences, 2015 - 2019  
Role: Cost analyst (PI: Adam Wendt)

*The Impact of Weatherization on Microbial Ecology and Human Health*

U.S. Environmental Protection Agency, 2015 - 2018  
Role: Data analyst (PI: G.Z. Brown/Deb Johnson-Shelton)

## **OTHER RESEARCH SUPPORT/CONTRACTS**

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*McKenzie Valley Needs Assessment Report*

McKenzie Valley Long Term Recovery Group and United Way of Lane County, 2022  
Role: Data Analyst/Data Visualization Expert (Lead: Angela Phinney)

*University of Oregon Evaluation of Student Conduct Records*

University of Oregon, 2021-2023  
Role: Co-Investigator (Lead: Keith Smolkowski)

*Triple P–Positive Parenting Program in Tacoma-Pierce County, WA*  
Triple P America, 2021-2022  
Role: Data Analyst (Lead: Carol Metzler)

*Price Foundation International Genetic Studies Eating Disorder Cohorts Anorexia Nervosa Genetic Analyses Biospecimen Inventory*  
University of California San Diego, Eating Disorders Center, 2020-2023  
Role: Data Analyst (Lead: Andrew Bergen)

*Good Behavior Game and Violent Crime*  
PAXIS Institute, 2019-2020  
Role: Primary Investigator

*Triple P–Positive Parenting Program in Lane County, OR*  
United Way of Lane County and Lane County Public Health Prevention Program, 2015-2022  
Role: Data Analyst (Lead: Carol Metzler)

*Lane County Body Mass Index Surveillance Project*  
Trillium, 2013-2018  
Role: Data Analyst (Leads: Deb Johnson-Shelton & Geraldine Moreno-Black)

## **PROFESSIONAL SERVICE**

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### **Proposal Reviewer:**

Ad-hoc Reviewer, U.S. Department of Education, Institute of Education Sciences (IES) Statistical and Research Methodology Panel, 2021.

Reviewer, Centers for Disease Control and Prevention (CDC) Special Emphasis Panel for Pregnancy Risk Assessment and Monitoring System (PRAMS), 2020.

Ad-hoc Reviewer, IES Statistical and Research Methodology Panel, 2020.

Ad-hoc Reviewer, IES Methods Training for Education Researchers Panel, 2020.

Reviewer, CDC Special Emphasis Panel for PRAMS, 2016.

### **Ad-hoc Reviewer to Journals:**

*Journal of Health Economics, American Journal of Preventive Medicine, PLOS ONE, Science of the Total Environment, Journal of Labor Research, Epidemiologic Reviews, Clinical Child and Family Psychology Review, Alcoholism: Clinical and Experimental Research, Journal of Addiction Therapy and Research*

## **CONFERENCE PRESENTATIONS**

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“Legalization and availability of recreational marijuana and youth use in Oregon,” American Public Health Association Annual Meeting, Denver, CO and On-line, 2021.

“Legalization and availability of recreational marijuana and youth use in Oregon,” Oregon Public Health Association Annual Conference, On-line, 2021.

- “We Have Skills impact evaluation,” Society for Research on Educational Effectiveness (SREE) Conference, Arlington, VA, 2021.\*
- “Self-reported prescription drug use for pain and for sleep and incident frailty,” Gerontological Society of America Annual Meeting, Austin, TX, 2019.\*
- “The Lane County Body Mass Index Project: A step in developing an epidemiology of school-based risk for obesity prevention in Oregon,” Oregon Public Health Association Annual Conference, Corvallis, OR, 2018.
- “Cursed resources: fracking and negative birth outcomes,” Western Economic Association International Conference, Portland, OR, 2016.
- “Integrated modeling to assess the ecological and air quality trade-offs of rangeland burning in the Flint Hills of Eastern Kansas,” American Geophysical Union (AGU) Fall Meeting, San Francisco, CA, 2015.\*
- “The effects of posted point-of-sale warnings on alcohol consumption during pregnancy and on birth outcomes,” Society for Benefit-Cost Analysis Conference, Washington D.C., 2015.
- “The effects of posted point-of-sale warnings on alcohol consumption during pregnancy and on birth outcomes,” Western Economic Association International Conference, Denver, CO, 2014.
- “Heat waves: Effects on fertility decisions and birth outcomes,” Association of Environmental and Resource Economists Conference, Banff, Alberta, Canada, 2013.
- “A new approach to the time tradeoff: The marginal rate of substitution between sick-years and lost life-years in a utility-theoretic model of preferences over latent health risks,” American Society of Health Economists (ASHEcon) Biennial Meeting, Minneapolis, MN, 2012.\*

\*Presentation by a co-author.

## **OTHER SCIENTIFIC PRESENTATIONS**

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- Invited Seminar, University of Oregon, Lundquist College of Business, Department of Marketing, Eugene, OR (2018)
- Oregon Climate Change Research Institute Climate Mini-Conference, Corvallis, OR (2017)
- Invited Seminar, University of Portland, Department of Economics, Portland, OR (2017)
- Oregon Resource and Environmental Economics Workshop, Salem, OR (2016)
- University of Oregon Climate Change Research Group Workshop, Eugene, OR (2015)
- Invited Seminar, Oregon State University, Environmental & Resource Economics Working Group Seminar, Corvallis, OR (2015)
- U.S. EPA Western Ecology Division Science Seminar, Corvallis, OR (2015)
- Oregon Resource and Environmental Economics Workshop, Salem, OR (2013)
- Climate Change Symposium, Eugene, OR (2012)
- University of Oregon Graduate Research Forum, Eugene, OR (2011)

## **HONORS/AWARDS/FELLOWSHIPS**

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Beatrice Aitchison Travel Award, University of Oregon (2015)  
Invited participant, WEAI Graduate Student Dissertation Workshop, Denver, CO (2014)  
The Mikesell Research Paper Award, University of Oregon (2013)  
Beatrice Aitchison Travel Award, University of Oregon (2013)  
The Kleinsorge Summer Research Award, University of Oregon (2012)  
Graduate Teaching Fellowship, University of Oregon (2010-2015)  
Graduate Teaching Fellowship, University of Illinois at Chicago (2007-2010)

## **INSTITUTIONAL SERVICE**

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Three Minute Thesis (3MT) Judge, University of Oregon Graduate Research Forum (2022)  
ORI Racial Equity Working Group Member (2021-2022)  
ORI Scientific Development Funds Distribution Committee Member (2021-2022)  
ORI Facilities and Safety Committee Member (2020-2022)  
3MT Judge, University of Oregon Graduate Research Forum (2019)

## **COMMUNITY SERVICE**

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Research and Evaluation Committee Member, United Way of Lane County (2018-2019)  
Board of Governors Member, Oregon Citizen's Utility Board (2016-2018)

## **TEACHING EXPERIENCE**

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### **Instructor of Record:**

University of Oregon, 2012-2017:  
Econometrics (W2012, S2013, S2014, F2016)  
Introductory Microeconomics (F2012, Su2013, W2015)  
Urban Economics (W2017)  
Environmental Economics (S2017)  
University of Illinois at Chicago, 2007-2009:  
Intermediate Microeconomics (F2007, S2008, S2009)  
Mathematical Economics (F2008, Su2009, F2009)

### **Teaching Assistant:**

University of Oregon, 2010-2012: Econometrics (Undergraduate & Graduate)  
University of Illinois at Chicago, 2007: Microeconomics (Graduate)

**Guest Lecture:**

University of Oregon, F2020, SPED626 Grant Writing (Primary Instructor: Nancy Nelson):  
“Cost Analysis in Education”

University of Oregon, S2014 & S2015, EC443 Health Economics (Primary Instructor: Ben Hansen): “Health in Utero”