

JENNIFER A. HEISSEL

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CAREER HIGHLIGHTS

I am an associate professor of Manpower & Economics at the Naval Postgraduate School. I have been PI or co-PI on five sponsored projects totaling \$646,458 since 2017. I teach econometrics and a discussion-based course on human learning, and I advise 6-7 master's theses per year. I have won awards for being in the top 5% of teaching at NPS and for research excellence in the Graduate School of Defense Management. I research relationships between family dynamics, health, and performance and how programs and policies affect families and children.

FULL-TIME ACADEMIC POSITIONS

- 2022- Associate Professor (with tenure), Manpower & Economics
2017-2022 Assistant Professor, Manpower & Economics
Naval Postgraduate School, Monterey, CA
Teaching: Multivariate Manpower Data Analysis I; Foundations of Education and Learning in DoD Organizations; various independent studies
- 2022- Faculty Affiliate, Wilson Sheehan Lab for Economic Opportunities
University of Notre Dame, Notre Dame, IN

EDUCATION

- 2012-2017 Ph.D. in Human Development & Social Policy, Northwestern University
2010-2012 Master of Public Policy, Sanford School of Public Policy, Duke University
2003-2007 B.A., *magna cum laude*, Economics & Sociology, University of Notre Dame

PEER-REVIEWED PUBLICATIONS

*Indicates author ordering by contribution; #Indicates student co-author. Click on publication for link to published version.

16. Bacolod, Marigee, **Jennifer A. Heissel**, and Yu-Chu Shen. 2023. "Spatial Analysis of Access to Psychiatrists for U.S. Military Personnel and Their Families." *JAMA Network Open* 6(1):e2249314.
15. **Heissel, Jennifer A.**, Claudia Persico, and David Simon. 2022. "Does Pollution Drive Achievement? The Effect of Traffic Pollution on Academic Performance." *Journal of Human Resources* 57(3): 747-776.
14. Bacolod, Marigee, **Jennifer A. Heissel**, Laura Laurita,[#] Matthew Molloy,[#] and Ryan Sullivan. 2022. "Mothers in the Military: Effect of Maternity Leave Policy on Take-Up." *Demography*. 59(2): 787-812.
13. Bacolod, Marigee, **Jennifer A. Heissel**, and Ansley White.[#] 2022. "Job Performance When Workers Work in Locations They Prefer." *Applied Economics Letters*.
12. **Heissel, Jennifer A.** 2021. "Teen Fertility and Siblings' Outcomes: Evidence of Family Spillovers Using Matched Samples." *Journal of Human Resources* 56(1): 40-72.
11. ***Heissel, Jennifer A.**, Emma K. Adam, Jennifer L. Doleac, David N. Figlio, and Jonathan Meer. 2021. "Testing, Stress, and Performance: How Students Respond Physiologically to High-stakes Testing." *Education Finance and Policy* 16(2):183-208.
10. Gazze, Ludovica, and **Jennifer A. Heissel**. 2021. "Infrastructure Upgrades and Lead Exposure: Do Cities Face Trade-offs When Replacing Water Mains?" *Journal of Environmental Economics and Management* 108: 102472.

9. *Combs, Elizabeth K.[#], Anna S. Dahlman, Nita L. Shattuck, **Jennifer A. Heissel**, and Lynn Whitaker. 2021. “Comparison of Physiological & Cognitive Performance in F-22 Pilots During Day & Night Flying.” *Aerospace Medicine & Human Performance* 95 (5): 303-311.
8. **Heissel, Jennifer A.**, and Samuel Norris. 2018. “Rise and Shine: The Effect of School Start Times on Academic Performance from Childhood through Puberty.” *Journal of Human Resources* 53(4): 957–92.
7. ***Heissel, Jennifer A.**, Patrick T. Sharkey, Gerard Torrats-Espinosa, Kathryn Grant, and Emma K. Adam. 2018. “Violence and Vigilance: The Acute Effects of Community Violent Crime on Sleep and Cortisol.” *Child Development* 89(4): e323–31.
6. **Heissel, Jennifer A.**, and Helen F. Ladd. 2018. “School Turnaround in North Carolina: A Regression Discontinuity Analysis.” *Economics of Education Review* 62: 302–20.
5. ***Heissel, Jennifer A.**, Dorainne J. Levy, and Emma K. Adam. 2017. “Stress, Sleep, and Performance on Standardized Tests: Understudied Pathways to the Achievement Gap.” *AERA Open* 3(3): 1–17.
4. *Tavernier, Royette, **Jennifer A. Heissel**, Michael R. Sladek, Kathryn E. Grant, and Emma K. Adam. 2017. “Adolescents’ Technology and Face-to-Face Time Use Predict Objective Sleep Outcomes.” *Sleep Health* 3(4): 276–83.
3. **Heissel, Jennifer A.** 2016. “The Relative Benefits of Live versus Online Delivery: Evidence from Virtual Algebra I in North Carolina.” *Economics of Education Review* 53(8): 99–115.
2. *Levy, Dorainne J., **Jennifer A. Heissel**, Jennifer A. Richeson, and Emma K. Adam. 2016. “Psychological and Biological Responses to Race-Based Social Stress as Pathways to Disparities in Educational Outcomes.” *American Psychologist* 71(6): 455–73.
1. *Adam, Emma K., **Jennifer A. Heissel**, Katharine H. Zeiders, Jennifer A. Richeson, Emily C. Ross, Katherine B. Ehrlich, Dorainne J. Levy, et al. 2015. “Developmental Histories of Perceived Racial Discrimination and Diurnal Cortisol Profiles in Adulthood: A 20-Year Prospective Study.” *Psychoneuroendocrinology* 62: 279–91.

MANUSCRIPTS SUBMITTED FOR PEER REVIEW

*Indicates author ordering by contribution; [#]Indicates student co-author.

3. *Shen, Yu-Chu, Marigee Bacolod, Marigee, and **Jennifer A. Heissel**. 2023. “Analysis of the Propensity to Seek Mental Health Care when Community Psychiatric Capacity Changes for US Military Personnel.”
2. ***Heissel, Jennifer A.**, Olivia J. Healy, Ollieanna Burke,[#] and Cristina Lopez.[#] 2023. “Standing Tall: Unexpected ‘Growth Spurts’ of Active-duty Army Soldiers and Navy Sailors from the United States.”
1. Healy, Olivia J., and **Jennifer A. Heissel**. 2022. “Baby Bumps in the Road: The Impact of Parenthood on Job Performance, Human Capital, and Career Advancement.”

OTHER PUBLICATIONS (NOT PEER-REVIEWED)

*Indicates author ordering by contribution; [#]Indicates student co-author. Click on publication for link to published version.

7. Healy, Olivia J. and **Jennifer A. Heissel**. 2022. “Gender Disparities in Career Advancement across the Transition to Parenthood: Evidence from the Marine Corps.” *American Economic Association: Papers & Proceedings*, 112: 561-67.
6. ***Heissel, Jennifer A.**, and Olivia J. Healy. 2021. *Research Evidence Related to the Servicemember Parental Leave Equity Act*. San Francisco, CA: **Robert Wood Johnson Foundation – Evidence for Action Research & Findings**.

5. *Comins, Aaron,[#] Chad Seagren, and **Jennifer A. Heissel**. 2020. “The Navy Needs a Fully Baked Plan for Cannabis Legalization.” *U.S. Naval Institute Proceedings*, 146(1): 1,403.
4. **Heissel, Jennifer A.**, and Samuel Norris. 2019. “Rise and Shine: How Start Times Affect Academic Performance.” *Education Next* 19 (3): 8-13.
3. *Shen, Yu-Chu, Jesse M. Cunha, and **Jennifer A. Heissel**. 2019. “Analysis of Unit Variation and Peer Influence of Destructive Behaviors in the U.S. Military.” (**Technical Report** No. NPS-GSDM-20-002). Naval Postgraduate School.
2. Adam, Emma K., **Jennifer A. Heissel**, Emily F. Hittner, Jennifer L. Doleac, Jonathan Meer, and David Figlio. 2017. “Adolescent Cortisol Responses to High-Stakes Testing in School-Based Settings.” *Psychoneuroendocrinology* 83 (Supplement): 85.
1. **Heissel, Jennifer A.** 2017. “Teenage Motherhood and Sibling Outcomes.” *American Economic Association: Papers & Proceedings* 107: 633–37.

WORKS IN PROGRESS

2. “Risk of Food Insecurity in the U.S. Military: Definitions, Distributions, and Solutions” (with Diane Schanzenbach)
1. “Parenthood and Health: Measuring the Effects of Maternity Leave, Paternity Leave, and Child Care” (with Olivia Healy)

GRANTS & FUNDING

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| 2022-23 | Naval Research Program, PI , “Risk of Food Insecurity in the U.S. Military: Definitions, Distributions, and Solutions” (\$90,000) |
| 2020-22 | Defense Health Agency, Co-Investigator , “Geographical Variation in Civilian and Military Mental Health Resource Capacity and Its Effects on Mental Health Readiness of the U.S. Military” (\$994,073) |
| 2020-22 | International Military Education & Training (NPS), PI , “Econometrics from an International Defense Perspective” (\$85,000) |
| 2019-22 | Robert Wood Johnson Foundation, PI , “Parenthood and Health: Measuring the Effects of Maternity Leave, Paternity Leave, and Child Care,” (\$273,058) |
| 2019-21 | International Military Education & Training (NPS), Co-PI , “International Naval Resource Management—A Cross-Country Evaluation and Comparison” (\$70,000) |
| 2019-20 | Naval Research Program, Co-PI , “Navy Blended Training,” (\$128,400) |
| 2017-19 | Research Initiation Program, Naval Postgraduate School, (\$170,240) |
| 2016-17 | Dissertation Year Funding, Northwestern (\$24,354) |
| 2012-17 | Sybil N. Heide Fellowship, Northwestern (\$18,700) |
| 2015 | Education and Social Policy Global Initiative Award, Northwestern (\$3,000) |
| 2010-11 | Joel L. Fleishman Endowment Funding, Duke University (\$31,360) |

SELECTED AWARDS & HONORS

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| 2022 | William E. Collins Award for Outstanding Human Factors Publication of the Year, Aerospace Human Factors Association (given annually to one paper) |
| 2020 | Excellence in Refereeing Award, <i>Journal of Policy Analysis and Management</i> |
| 2019 | Research Excellence Award, Graduate School of Defense Management (given annually to one applied researcher) |
| 2019 | Top 5% in RADM Schieffelin Award for Teaching Excellence, NPS |

ACADEMIC PRESENTATIONS

^U indicates upcoming presentations.

AEFP=Association for Education Finance & Policy; APPAM=Association for Public Policy Analysis & Management; APS=Association for Psychological Science; ASSA=Allied Social Science Associations (including the American Economic Association); MEA=Midwest Economic Association; NBER=National Bureau of Economic Research; SOLE=Society of Labor Economists; SEA=Southern Economic Association; WEA=Western Economic Association

2023 Federal Reserve Bank of Chicago; RAND^U; WEA^U
2022 ASSA; NBER Summer Institute – Children; APPAM; Military Health System Research Symposium
2021 ASSA; MEA; SOLE; WEA; Stanford University
2020 WEA
2019 Duke University; MEA; WEA
2018 Northwestern University; AEFP; WEA; APPAM
2017 ASSA; Naval Postgraduate School; University of Alabama; University of Chicago – Crime Lab New York; University of Chicago – Poverty Lab; University of Illinois; University of Notre Dame; AEFP; Aarhus University
2016 APS; SEA; University of Notre Dame
2015 AEFP; APPAM
2014 AEFP; APPAM

POLICY PRESENTATIONS

^U indicates upcoming presentations.

2023 Navy 21st Century Sailor Office (N17)
2022 Navy 21st Century Sailor Office (N17); Evidence for Action National Advisory Committee (Robert Wood Johnson Foundation)
2021 Action Research Symposium (Robert Wood Johnson Foundation)
2020 Vice Admiral John B. Nowell (Chief of Naval Personnel); Navy HR Analytics
2011, 2012 North Carolina State Board of Education

SERVICE TO NAVAL POSTGRADUATE SCHOOL

2020- Member, Graduate School of Defense Management Research Excellence Award Committee (school)
2018- Scientific Reviewer, Institutional Review Board (NPS)
2018- Course Coordinator, Multivariate Manpower Data Analysis I
2018- Course Coordinator, Foundations of Education & Learning in DoD Organizations
2021-2022 Member, Research and Naval Warfare Studies Institute Working Group (NPS)
2019-2021 Member, Teaching Effectiveness Committee (school)
2020 Member, Provost Search Committee (NPS)
2018-2020 Data Certificate Distance Learning Committee (school)

SERVICE TO THE PROFESSION

(#) indicates count of discussions/reviews across different studies; revisions of same article are not repeated in the count

- Ad hoc Discussant: Western Economic Association (5); Allied Social Science Associations; Midwest Economic Association
- Ad hoc Reviewer: *Economics of Education Review* (5), *Journal of Human Resources* (4), *Journal of Public Economics* (3), *Journal of Policy Analysis and Management* (3), *Journal of Environmental Economics and Management* (3), *Education Finance and Policy* (3), *American Economic Journal: Economic Policy* (2), *AERA Open* (2), *Economics Bulletin* (2), *Environment International*, *Child Development*, *Educational Researcher*, *Demography*, *Journal of Health Economics*, *Developmental Psychology*, *PLoS One*, *Educational Evaluation and Policy Analysis*, *Journal of the Association of Environmental and Resource Economics*, *BMJ Open*, *Journal of Asian Economics*, *Journal of Research on Educational Effectiveness*, *American Educational Research Journal*, *American Journal of Education*, *Education Economics*, *American Journal of Health Economics*, *American Law and Economics Review*

PROFESSIONAL DEVELOPMENT

- 2021-22 Health Equity Scholar, Scholars Strategy Network (competitive)
- 2017-18 Teaching Fellow, Naval Postgraduate School

OTHER PROFESSIONAL POSITIONS

- 2013-16 *Research Assistant*, Institute for Policy Research (Northwestern), Evanston, IL
- 2012 *Project Consultant*, Huron Consulting Group, Atlanta, GA
- 2011 *Research Intern*, North Carolina Department of Public Instruction, Raleigh, NC
- 2007-2010 *Analyst* (2007-09); *Associate* (2010), Huron Consulting Group, Chicago, IL
- 2006-2007 *Intern*, Scottrade Financial Services, South Bend, IN
- 2004-05 *Forestry Aid*, USDA Forestry Service, Grand Rapids, MN