

Curriculum Vitae

Sarah Keller
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Education

- Expected 2023 **PhD Candidate, Population Health Sciences**
University of Wisconsin-Madison
Health Services Research Concentration
Minor in Health Policy
- GPA: 3.75
- 2016 **B.A. Psychology**
Beloit College
Major: Psychology
Minor: Biology
- Honors Thesis: *Volunteer Perceptions of Dignity*
Advisor: Kristin Bonnie, PhD
- GPA: 3.62
Major GPA: 3.78

Awards and Scholarships

- 2018– present Granted full tuition remission
- 2016 Graduated Magna cum Laude with Departmental Honors
- 2016 Midwestern Psychological Association Psi Chi Regional Research Award
- 2015 Member of Psi Chi, the International Honor Society in Psychology
- 2015 Member of Mortar Board, National College Senior Honor Society
- 2012 – 2016 Dean’s List
- 2012 – 2016 Presidential Merit Scholarship

Research Experience

Graduate Student Research Assistant

Amy Kind Lab
Health Services Care and Research Program
School of Medicine and Public Health
University of Wisconsin – Madison
2018 – Present

Responsibilities:

As a graduate student, I contribute to a variety of research activities to maintain the progress of our research team. I perform medical record abstraction and confer with colleagues to ensure consensus, assist with manuscript preparation, and most recently supported the technical build and release of the latest version of the Area Deprivation Index (ADI), a tool used frequently by our team, our collaborators, and outside entities nationwide. I also have the freedom to pursue my own projects in order to work towards completing my dissertation. I was able to take a leading role in a medical record abstraction project from its design through its execution and was the primary author on the manuscript recently published from this work. Currently, I am working on my dissertation research which focuses on how exposure to area-based disadvantage over the life course is associated with vascular brain injury found in a brain bank sample.

Research Specialist

School of Medicine and Public Health
University of Wisconsin – Madison
2016 – 2018

Responsibilities:

As a study coordinator for the Coordinated Transitional Care (C-TraC) intervention, I identified, recruited, and enrolled older adults with dementia and their family caregivers for this prospective study. I then performed follow-up surveys with the caregivers over the course of 90 days, followed by a medical record abstraction to determine outcomes. I collaborate with other researchers on several projects for our team, including designing and carrying out medical record abstractions, and maintaining online databases. I have also assisted with training undergraduate and medical student interns, and served as their mentor during their time with the team. Finally, I assist with administrative tasks, such as submitting articles written by research team members to peer-reviewed journals, and keeping projects in compliance with the Institutional Review Board.

Honors Thesis

Department of Psychology
Beloit College
2015 – 2016

Responsibilities:

I designed my own research project based on my time spent volunteering in an assisted living facility working with older adults. I created and distributed a survey to populations of volunteers and non-volunteers about their personal perceptions of the dignity of older adults, and analyzed the results using statistical software. I presented my findings both at a Beloit College student research symposium and at the Midwestern Psychological Association annual meeting.

Research Assistant

Department of Psychology

Beloit College
2015 – 2016

Responsibilities:

I assisted Professor Emily Coyle with her research which investigated the effects of gendered marketing of toys and parental feedback on children's persistence in a challenging task. Specifically, I was responsible for creating operational definitions for terms such as "persistence", "frustration", and "quitting" and coding for these behaviors using video footage of children working on a building task. Findings from this research were presented at the Association for Psychological Science Conference in May 2016

Laboratory Assistant

Department of Neurology
University of Michigan
2014

Responsibilities:

Working under the guidance of postdoctoral fellow Danielle Lewis, I assisted with the research of Dr. Jack Parent studying neurodevelopment and regeneration. I was responsible for sectioning and organizing tissue samples, performing polymerase chain reaction procedures to genotype specimens, and monitor populations of laboratory animals.

Professional Experience

Office Assistant

Office of Development and Alumni Relations
Beloit College
2013 – 2016

Responsibilities:

In this position, my duties included facilitating communication between Alumni and the college administration, and entering and updating archival data related to the college's alumni network. I assisted in organizing large events, such as homecoming, and managed the office's email account. I also served as a mentor and supervisor for more junior student employees, having worked at the office for most of my college career.

Office Assistant

The Ann Arbor Center for Developmental and Behavioral Pediatrics
Ann Arbor, MI
2011 – 2012

Responsibilities:

This position allowed me to assist with scheduling client visits and facilitate the check-in process once they arrived. I also organized client data in the form of physically filing paperwork and managing digital records.

Volunteer Experience

Activities Volunteer

Cedar Crest Community for Senior Adults
Janesville, WI
2015-2016

Responsibilities:

At Cedar Crest, I was a volunteer specifically with the memory care residents who were living with some form of dementia or memory deficiency. I led activities several times a week such as sing-alongs or trivia games to help enrich the lives of the residents.

Lab Head

Girls and Women in Science Conference
Beloit College
2016

Responsibilities:

For this two day conference aimed at 11 and 12 year-old girls, I designed a series of lab activities on the topic of neuroscience, including brain anatomy and the structure and function of neurons. I led groups of girls through these activities and encouraged critical discussion among them.

Peer-Reviewed Publications (in Chronological Order)

1. Holden TR, **Keller SA**, Kim A, Gehring M, Kind AJH. A procedural framework to facilitate hospital-based informed consent for research involving persons with dementia. *Journal of the American Geriatrics Society*, 2018. PMID: PMC6289792.
2. **Keller SA**, Shah MN, Holden TR, Kind AJK. Dementia diagnosis documentation in patients presenting to the emergency department with chest pain. *Journal of the American Geriatrics Society*, 2020. Doi: <https://doi.org/10.1111/jgs.16722>.
3. **Keller SA**, Hansmann KJ, Powell WR, Bendlin BB, & Kind AJH. A Scoping Review of the Association of Social Disadvantage and Cerebrovascular Disease Confirmed by Neuroimaging and Neuropathology. *International Journal of Environmental Research and Public Health*, 2021. 18(13), 7071. PMID: [PMC8297247](https://pubmed.ncbi.nlm.nih.gov/348297247/)
4. Powell WR, Zuelsdorff M, **Keller SA**, Betthausen TJ, Rissman RA, Bendlin BB, Kind AJH. Association of Neighborhood-Level Disadvantage With Neurofibrillary Tangles on Neuropathological Tissue Assessment. *JAMA Network Open*, 2022. 5(4):e228966. PMID: PMC9051985

Peer-Reviewed Abstracts / National and Regional Presentations (in Chronological Order)

1. **Keller S**. "Volunteer Perceptions of Dignity." Poster presentation at the 88th Annual Meeting of the Midwestern Psychological Association, May 5-7, 2016, Chicago, IL.
2. **Keller S**, Kim A, Hermann C, Troller P, Kind AJH. "Person-Centered Recruitment and Retention of Dementia Patients and their Caregivers in a Transitional Care Randomized Control Trial." Poster presentation at the University of Wisconsin-Madison annual Department of Medicine Research Day, June 9, 2017, Madison, WI.
3. **Keller S**, Kim A, Hermann C, Troller P, Kind AJH. "Person-Centered Recruitment and Retention of Dementia Patients and their Caregivers in a Transitional Care Randomized Control Trial." Poster presentation at the University of Wisconsin-Madison annual Alzheimer's Disease and Related Disorders Research Day, June 30, 2017, Madison, WI.
4. **Keller SA**, Holden TR, Shah MA, Block LM, Kind AJH. "Documentation of Dementia Diagnoses in the Emergency Department Among Patients Presenting with Chest Pain." Poster presentation at the University of Wisconsin-Madison annual Alzheimer's Disease and Related Disorders Research Day February 2019, Madison, WI.
5. **Keller SA**, Holden TR, Shah MA, Block LM, Kind AJH. "Documentation of Dementia Diagnoses in the Emergency Department Among Patients Presenting with Chest Pain." Poster presentation at Population Health Sciences Welcome Day Poster Session, March 2019. Madison, WI.
6. **Keller SA**, Holden TR, Shah MA, Block LM, Kind AJH. "Documentation of Dementia Diagnoses in the Emergency Department Among Patients Presenting with Chest Pain." Poster presentation at the Alzheimer's Association International Conference, July 2019, Los Angeles, CA.
7. **Keller SA**, Hansmann KJ, Powell WR, Bendlin BB, & Kind. "A Scoping Review of the Association of Social Disadvantage and Cerebrovascular Disease Confirmed by Neuroimaging and Neuropathology." Poster presentation at the Alzheimer's Association International Conference, July 2021, Denver, CO.
8. Powell WR, Zuelsdorff M, **Keller SA**, Vilen LH, Salamat S, Buckingham WR, Rissman RA, Bendlin BB, Kind AJH. "Association of Neighborhood-Level Disadvantage with Neurofibrillary Tangles." Poster presentation at the Alzheimer's Association International Conference, July 2021, Denver, CO.

Service

Departmental

2022-	Co-President, Population Health Sciences Student Organization (PHSSO)
2021-2022	Treasurer, Social Media Chair, PHSSO
2021-2022	Coordinator, Population Health Sciences Antiracism Initiative
2020-2021	Steering Committee Student Representative, PHSSO

References

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