

# Samantha A. Whitman

## Curriculum Vitae

PhD Candidate  
Human and Social Dimensions of Science and Technology

School for the Future of Innovation in Society  
Arizona State University  
Tempe, Arizona, United States of America

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<https://www.samanthaawhitman.com/>

## Education

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**Human & Social Dimensions of Science & Technology, Ph.D.** *August 2018 – May 2024*

School for the Future of Innovation in Society  
Arizona State University, Tempe, AZ

*Dissertation: "Patient Work-Based Human-Centered Computing for Managing Chronic Illness"*

**Science of Healthcare Delivery, M.S.** *August 2017 - May 2018*

College of Health Solutions  
Arizona State University, Phoenix, AZ

*Capstone: "Patient Exploration to Understand and Ease the Burden of Dialysis"*

**Health Sciences (Health Policy), B.S.** *January 2015 – December 2016*

College of Health Solutions  
Arizona State University, Phoenix, AZ

- *Public Administration and Public Management Certificate*

## Positions

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**Graduate Research Assistant** *August 2017 – Present*

Arizona State University's College of Health Solutions, Phoenix, AZ

**Research Collaborator** *June 2017 – Present*

[Knowledge and Evaluation Research \(KER\) Unit](#), Mayo Clinic, Rochester, MN

**Patient Work Co-Lead** *December 2021 – Present*

Arizona State University's College of Health Solutions' [Translational Team](#), Phoenix, AZ

**Undergraduate Lab Member** *February 2016 – December 2016*

Arizona State University's [Designing Health Lab](#), Phoenix, AZ

**Undergraduate Research Assistant** *November 2015 – August 2017*

Arizona State University's [Center for Policy Informatics](#), Phoenix, AZ

## Research Interests

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Patient work, experiences, and perspectives in chronic illness management; Health information technology and sociotechnical systems in healthcare; Qualitative research methods and participatory research design; Health equity, access to care, and social determinants of health; Interdisciplinary approaches to health services research, spanning fields such as human-computer interaction, health informatics, population health, and social sciences; Knowledge production and expertise in health contexts; Translating research findings into interventions, policies, and system transformations to improve patient outcomes and experiences; Collaborative research with diverse stakeholders, including healthcare institutions, non-profits, and community partners; Dissemination of research through publications, presentations, and community engagement; Intersection of technology, data, and patient-centered care; Health humanities approach to health services research; Improving patient experiences and outcomes

## Awards

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- Arizona State University's Graduate College Completion Fellowship *Fall 2023; Spring 2024*
- Honorable Mention for Best Paper at ACM Conference on Human Factors in Computing Systems (ACM CHI) *May 2021*
- Ph.D. Student Recipient of 2021 SFIS Annual Charter Awards in Excellence *Fall 2021*
- Arizona State University's Graduate Research Assistant Scholarship - \$15,715 *Fall 2017*
- Arizona State University's Dean's Undergraduate Research Scholarship - \$500 *Spring 2016*
- Indiana University ProHealth R.E.U. Best Peer Reviewer *July 2016*
- Indiana University ProHealth R.E.U. Honorable Mention for Best Project Presentation *July 2016*
- Indiana University ProHealth R.E.U. Best Paper *July 2016*
- Dean's List of ASU's School of Nutrition and Health Promotion *Spring 2015, Fall 2015, Spring 2016*

## Publications

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### Journal Articles

- Pawar, A. S., Thorsteinsdottir, B., **Whitman, S. A.**, Pine, K., Lee, A., Espinoza Suarez, N. R., Organick-Lee, P., Thota, A., Lorenz, E., Beck, A., Albright, R., Feely, M., Williams, A., Behnken, E., & Boehmer, K. (2023). Decisional Regret Surrounding Dialysis Initiation: A Comparative Analysis. *Kidney Medicine*, 100785. <https://doi.org/10.1016/j.xkme.2023.100785>
- Shukla, P., Lee, M., **Whitman, S. A.**, & Pine, K. (2022). Delay of routine health care during the COVID-19 pandemic: A qualitative study of individuals' risk assessment and decision making. *Social Science & Medicine*, 115164. [doi:10.1016/j.socscimed.2022.115164](https://doi.org/10.1016/j.socscimed.2022.115164)
- Barreto, E. F., McCoy, R. G., Larson, J. J., Warsame, R. M., Kennedy, C. C., Baker, A. E., Hart, E. S., Pagel, S. M., **Whitman, S. A.**, & Enders, F. T. (2021). Evaluation of the academic achievements of clinician health services research scientists involved in "pre-K" career development award programs. *Journal of clinical and translational science*, 5(1). [doi:10.1017/cts.2021.780](https://doi.org/10.1017/cts.2021.780)
- Boehmer, K. R., Pine, K. H., **Whitman, S. A.**, Organick, P., Thota, A., Espinoza Suarez, N. R., LaVecchia, C. M., Lee, A., Behnken, E., Thorsteinsdottir, B., Pawar, A. S., Beck, A., Lorenz, E. C., & Albright, R. C. (2021). Do patients with high versus low treatment and illness burden have different needs? A mixed-methods study of patients living on dialysis. *Plos one*, 16(12), e0260914. [doi:10.1371/journal.pone.0260914](https://doi.org/10.1371/journal.pone.0260914)

### Peer-Reviewed Conference Proceedings

- **Whitman, S. A.**, Pine, K. H., Thorsteinsdottir, B., Organick-Lee, P., Thota, A., Espinoza Suarez, N. R., Johnston, E. W., Boehmer, K. R., (2021). Bodily Experiences of Illness and Treatment as Information Work: The Case of Chronic Kidney Disease. *Proceedings of the ACM on Human-Computer Interaction*, 5(CSCW2), 1-28. [doi:10.1145/3479527](https://doi.org/10.1145/3479527)
- Pine, K. H., Lee, M., **Whitman, S. A.**, Chen, Y., Henne, K., (2021) Making Sense of Risk Information amidst Uncertainty: Individuals' Perceived Risks Associated with the COVID-19 Pandemic. In *Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems* (pp. 1-15). [doi:10.1145/3411764.3445051](https://doi.org/10.1145/3411764.3445051) **\*\*Honorable Mention Award.**
- Jelen, B., Richards, O. K., **Whitman, S. A.**, Ongwere, T., Kresnye, K. C., & Siek, K. A. (2020). Exploring the Use of Electronics to Customize Pervasive Health Technologies with Older Adult Crafters. In *Proceedings of the 14th EAI International Conference on Pervasive Computing Technologies for Healthcare (PervasiveHealth '20)*. p. 166–178. [doi:10.1145/3421937.3421976](https://doi.org/10.1145/3421937.3421976)

## Grants

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- Patient-Centered Exploration and Innovation to Understand and Ease the Burden of Dialysis. Mayo Clinic and ASU Alliance for Health Care Collaborative Research Seed Grant Program 2018. \$50,000. ASU PI: Pine, Kathleen H., Mayo Clinic PI: Montori, Victor M., Co-Investigators: Boehmer, Behnken, Thorsteinsdottir, **Whitman**. 2017

## Presentations

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### Conference Workshops

- **Whitman, S. A.**, Pine, K. H., Harlow, J., (November 2023). Endangered Healthcare Ecologies: Understanding and Addressing Patient Work, [2024 Society for Social Studies of Science \(4S\) Conference](#), Honolulu, HI, USA
- Lorenz, E., Thorsteinsdottir, B., Albright, Robert., Boehmer, K., Mair, F., **Whitman S. A.** (October 2019). Large Group Workshop: Patient Cases, [Care that Fits 2019 Conference](#), Knowledge Enterprise Research Unit, Mayo Clinic, Rochester, MN, USA

### Conference Presentations

- **Whitman, S. A.**, Pine, K. H., Thorsteinsdottir, B., Organick-Lee, P., Thota, A., Espinoza Suarez, N. R., Johnston, E. W., Boehmer, K. R. (October, 2021). Bodily Experiences of Illness and Treatment as Information Work: The Case of Chronic Kidney Disease. [24th ACM Conference on Computer-Supported Cooperative Work and Social Computing \(CSCW\)](#), Virtual Conference
- **Whitman, S. A.**, Pine, K. H., Boehmer, K. R., Espinoza Suarez, N. R., Organick-Lee, P., Thota, A., Thorsteinsdottir, B., Pawar, A., Montori, V. M., (September, 2019), Enacting Treatment: The Case of Chronic Kidney Disease and Dialysis, [2019 Society for Social Studies of Science \(4S\) Conference](#), New Orleans, LA, USA
- Thorsteinsdottir, B., Lorenz, E., Albright, R., and **Whitman, S.** (October, 2018). Doing MDM and SDM in Practice-Patient Case Workshop, [2018 Minimally Disruptive Medicine Conference](#), Knowledge Enterprise Research Unit, Mayo Clinic, Rochester, MN, USA

### Poster Presentations

- Siraj, H., **Whitman, S.**, (April, 2024). Exploring Domestic Workers' Risk Work During the COVID-19 Pandemic, [iConference 2024](#), Virtual Attendance
- **Whitman, S.**, (May, 2018). Patient-Centered Exploration and Innovation to Understand and Ease the Burden of Dialysis, School for the Science of Health Care Delivery Research Poster Symposium, School of Health Solutions, Arizona State University, Phoenix, AZ, USA
- Richards, O., **Whitman, S.**, Jelen, B., Siek, K., (June, 2016). Empowering Older Adult Creative Groups with Maker Technology. [Indiana University ProHealth REU Presentation](#). Bloomington, IN, USA
- **Whitman, S.** (May, 2016). The Quantified Self for Customized Health Care, Undergraduate Research Poster Symposium, School of Health Solutions, Arizona State University, Phoenix, AZ, USA

### Other Invited Engagements

- Siraj, H., **Whitman, S.**, Kathleen Pine, K., and Lee, M. (June 2022). Risk work in the age of intelligent machines: The informal risk work of individuals during the COVID-19 pandemic, [WAIM-22- Work in the Age of Intelligent Machines Working Conference](#), Washington, D.C., USA
- Richards, O., **Whitman, S.**, Jelen, B., Siek, K. (October 2016). Empowering Older Adult Creative Groups with Maker Technology. [CUR's 2016 Research Experiences for Undergraduates Symposium](#). Arlington, VA, USA

## Public Engagement

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### Blogs

- Kabella, D., **Whitman, S.**, & Pine, K., (July 21, 2022). "Enacting Personhood, Legitimacy, and Autonomy: What STS can Reveal about the Dobbs v. Jackson Women's Health Organization Decision." *Society for Social Studies of Science (4S) Reflections*. ([LINK](#))

- **Whitman, S.**, (August 16, 2017). “Copper Hen Bakery & Cafe Offers Delicious Treats and Community” *Good Food Finder*. ([LINK](#))

#### Podcasts

- **Whitman, S.** (Guest Expert), (March 2024, *Underproduction*). Browne, B., Rasmussen, L. (Hosts). “Patient Burden” Brain Health 365.

### Service

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#### **Patient Work Translational Team—*Team Co-Lead***

*December 2021 – Present*

- Led projects exploring patient work required to obtain medical diagnoses and care for the condition of endometriosis
- Developed experiential learning modules and mentored undergraduate students in health services research
- Co-authored blog post discussing the impact of Dobbs v Jackson Supreme Court decision on reproductive healthcare and Science and Technology Studies scholarship
- Expanded network and brought in new collaborators and research projects and interventions to address the invisible work of patients using a transdisciplinary, community-engaged approach
- Project lead on a research project exploring the patient work required for a patient seeking a formalized medical diagnosis for Endometriosis.

#### **SFIS Graduate Student Organization—*Communications Director***

*August 2019 – May 2020*

##### **Arizona State University, Tempe, AZ**

- Board Member of the School for the Future of Innovation in Society’s Graduate Student Organization (GSO) which serves as the student leadership for all students enrolled in degree-seeking programs in SFIS at Arizona State University. The SFIS GSO acts as a voice for the student body in meetings and other communications with the faculty and staff of the school.
- Voted as Communications Director which maintains updated content on the SFIS GSO website, Facebook Group/Page, Instagram, and other SFIS GSO media.
- Responsible for publicizing meetings, events, and affairs of the SFIS GSO.
- Accountable for sending all-student emails, generating graphics to promote events as needed, and submitting information to digital signs and the SFIS newsletter(s).

#### **Graduate & Professional Student Association—*At Large Representative***

*November 2017 – May 2018*

##### **Arizona State University, Tempe, AZ**

- Committee member of Professional Development which supports the administration of Travel Grant Programs, as well as promoting and executing numerous events throughout the year which support graduate student needs to advance in their future aspirations and goals in their professional life.
- Part of the Internal Affairs which reviews Travel Grant Programs in addition to other ASU awards programs including the Teaching Excellent Award that fall into the graduate student community
- Government Operations committee member where our assembly supports the office of the Assembly President where we conduct the GPSA’s business and assist reviewing, updating, and recommending policy content for the Assembly.

### Professional Development

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#### **Food Hub Feasibility Study - *Food Research Intern***

*January 2017 – August 2017*

##### **Local First Arizona Foundation, Phoenix, AZ**

- Studied rural food production with county economic development corporation collaborator to engage and serve rural Eastern Arizona region
- Assisted in running public forums to present study and integrate local knowledge through surveys and testimony
- Evaluated and [blogged](#) about local rural producers to spotlight existing businesses
- Created [digital toolkit](#) providing overview of data, funding, policies, and community support for local producers

Indiana University, Bloomington, IN

- Conducted 10-week research on designing, developing, and evaluating intelligent, pervasive systems, including mobile and wearable health technologies, to create personalized recommendations and empower proactive health management for the broader U.S. population.
- Explored quantitative and qualitative data investigating how craft-based participatory designs can establish research methods for implementing technology to empower older adults to take charge of their health.
- Awarded “Best Paper,” “Best Peer Reviewer,” and “Best Presentation;” and showcased work at NSF’s R.E.U. Symposium

## **Skills**

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### **Technical**

- Perform qualitative analysis using NVivo, Dedoose, Atlas.TI
- Administer surveys with SurveyMonkey, RedCap, Google Forms
- Leverage productivity programs like Microsoft Office, Google Suite
- Utilize platforms like Slack, Microsoft Teams, and Zoom

### **Interpersonal**

- Cultivate partnerships and rapport with diverse healthcare stakeholders including research teams, institutions, non-profits, community partners, and diverse communities
- Clearly communicate complex concepts clearly to broad audiences
- Adeptly gather information, evaluate options, and implement solutions to address problems
- Expanded project collaborations and networks by cultivating partnerships
- Effectively manage competing priorities and deadlines
- Provide thoughtful mentoring and supervision to junior colleagues
- Skillfully coordinate, mentor, and supervise teams to achieve collaborative results

### **Research**

- Design, secure ethics board approval, and execute qualitative and mixed methods projects utilizing interviews, surveys, and observations
- Interpret research findings and effectively communicate results
- Disseminate findings through publications, presentations, and reports

## **Achievements**

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- Dean’s List of ASU’s School of Nutrition and Health Promotion      Spring 2015, Fall 2015, Spring 2016
- Recipient of 2021 SFIS Annual Charter Award for Excellence      Fall 2021
- Honorable Mention for Best Paper, ACM CHI 2021 Conference      May 2021
- Arizona State University's Graduate College Completion Fellowship Recipient      2023-2024