

Samantha A. Whitman

Curriculum Vitae

Ph.D. Graduate
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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Education

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: *The Invisible Labor in Managing Chronic Illness: Exploring Patient Work through Qualitative Methods and Patient Narratives*

Dissertation Committee: Kathleen Pine, Ph.D.; Erik Johnston, Ph.D.; John Harlow, Ph.D.

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*

Capstone Advisor: Kathleen Pine, Ph.D.

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

College of Health Solutions

Arizona State University, Phoenix, AZ

- *Certificate: Public Administration and Public Management*

Positions

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

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

- 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

Journal Articles

- Gordon, E., Harlow, J., **Whitman, S. A.**, & Lee, M. (2024). Data Discretion: Screen-Level Bureaucrats and Municipal Decision-Making. *Digital Government: Research and Practice*. <https://doi.org/10.1145/3652950>
- 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

- 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

Conference Workshops

- **Whitman, S. A.**, Pine, K. H., Harlow, J., (November 2023). Endangered Healthcare Ecologies: Understanding and Addressing Patient Work, [2023 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. A.**, Pine, K. H., & Lee, M. (April, 2024). Exploring Domestic Workers' Risk Work During the COVID-19 Pandemic. [iConference 2024 Proceedings](#), Changchun, China
- **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

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), (April 2, 2024). Browne, B., Rasmussen, L. (Hosts). “Between a Rock and a Hard Place: The Difficulty Of Navigating the Healthcare System” *Brain Health* 365. ([LINK](#))

Service

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

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

The ProHealth Informatics R.E.U – Undergraduate Student Researcher

May 2016 – July 2016

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

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

- 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