Samantha A. Whitman, Ph.D.

Curriculum Vitae

Arizona State University
Chandler, Arizona
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https://www.SamanthaAWhitman.com/

Applied healthcare researcher with expertise in qualitative and mixed methods research, health systems, patient experience, and implementation science. Experienced leading federally funded research initiatives, managing interdisciplinary teams, and translating findings into actionable recommendations for healthcare organizations, government agencies, and community partners.

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

Research Interests

Qualitative and mixed-methods research in healthcare, public sector, and sociotechnical systems | Patient experience, chronic illness management, and diagnostic delay | Health equity and social determinants of health | Healthcare systems, health IT, and digital health implementation | Responsible AI and ethical technology adoption in emergency services (Fire/EMS/911) | Public sector innovation, policy, and service delivery | Human-centered design, user experience (UX), and stakeholder-engaged research | Health communication, narrative medicine, and invisible labor in healthcare | Cross-sector collaboration across healthcare, emergency response, and community health

Positions

Post Doctoral Research Scholar *August 2024 – May 2025*
Arizona State University's College of Global Futures, Tempe, AZ

Affiliate Faculty *August 2024 – Present*
George Mason University's Department of Information Sciences and Technology, Fairfax, VA

Research Specialist & Project Coordinator *December 2021 – Present*
Arizona State University's College of Health Solutions, Phoenix, AZ

Graduate Research Assistant *August 2017 – May 2024*
Arizona State University's College of Health Solutions, Phoenix, AZ

Health Services Researcher *June 2017 – Present*

Knowledge and Evaluation Research (KER) Unit, Mayo Clinic, Rochester, MN

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

Professional Experience

Health Observatory – *Program Manager* *July 2025 – July 2026*
Health Observatory, Arizona State University, Tempe, Arizona

- Lead coordination of a federally funded statewide health preparedness initiative, managing research, planning, and emergency preparedness activities in partnership with the Arizona Department of Health Services.
- Coordinate a 24-member interdisciplinary team spanning multiple universities, a genomics research institute, and public health partners to advance healthcare preparedness and infectious disease response efforts.
- Manage project timelines, deliverables, reporting requirements, and cross-team workflows across multiple concurrent preparedness and research initiatives.
- Supported five statewide healthcare preparedness surveys in REDCap, assisting with data collection and assessment across hospitals, long-term care facilities, laboratories, and public health systems.
- Plan and coordinate statewide preparedness exercises and workshops, including a multi-county infectious disease tabletop exercise and events engaging more than 200 healthcare and public health professionals.

Knovva Academy – *Qualitative Research Consultant* *July 2024 – October 2024*
Knovva Consulting, Boston, MA (Remote)

- Designed and conducted qualitative interviews with participants of career development support programs to evaluate program impact.
- Managed end-to-end data collection to ensure accuracy, integrity, and usability for analysis.
- Supported thematic analysis to extract actionable insights for education policy and program design.
- Collaborated with cross-functional teams to co-develop tailored educational tools for U.S.-based school clients.
- Contributed to high-quality reports and presentations that informed strategic recommendations for improving youth educational outcomes.

The Knowledge Exchange for Resilience Unit – *Research Disseminator* *May 2024 – August 2024*
Arizona State University College of Health Solutions, Phoenix, AZ

- Led authorship of a grant proposal aiming to secure extended funding for an SDoH screening and referral initiative.
- Partnered with healthcare and community organizations to improve implementation of SDoH screening tools in clinical settings.
- Evaluated referral workflows and identified barriers in connecting patients to community-based resources.
- Developed technical guides and frameworks to support wider replication of screening systems in other health clinics.
- Strengthened research-to-practice dissemination strategies by aligning community needs with evidence-based practices.

Food Hub Feasibility Study - *Food Research Intern* *January 2017 – August 2017*
Local First Arizona Foundation, Phoenix, AZ

- Investigated rural food production systems in collaboration with regional economic development agencies.
- Facilitated public forums and community surveys to integrate local expertise into feasibility assessments.
- Authored blog content to spotlight small rural producers and promote awareness of local food systems.
- Created a digital resource toolkit summarizing funding pathways, policy contexts, and producer needs.
- Supported development of localized strategies to increase visibility and support for rural food networks.

The ProHealth Informatics R.E.U – *Undergraduate Student Researcher* *May 2016 – July 2016*
Indiana University, Bloomington, IN

- Participated in a 10-week NSF-funded research program on mobile and wearable health technologies.
- Conducted qualitative and quantitative research on craft-based participatory design for older adult health empowerment.
- Explored how intelligent systems could deliver personalized, preventive health interventions.
- Produced a peer-reviewed project paper and contributed to academic poster presentations.
- Awarded "Best Paper," "Best Peer Reviewer," and "Best Presentation" and selected to present at NSF's REU Symposium.

Publications

Journal Articles

- Siraj, H., **Whitman, S. A.**, Henne, K., Pine, K. H., Lee, M. (2026) "I am not officially a public health person": Informal risk work during the COVID-19 pandemic. Social Science & Medicine-Qualitative Research in Health. 100787. https://doi.org/10.1016/j.ssmqr.2026.100787

- Abubakr, L., **Whitman, S. A.**, Shrivastava, T., Pine, K. H., Kim, P., & Lee, M. (2025). "We Just Get Frustrated": Exploring Factors that Shape Information Provision in Disability Services. Proceedings of the Association for Information Science and Technology, 62(1), 1333-1335. https://doi.org/10.1002/pra2.1395

- Abubakr, L., Shrivastava, T., **Whitman, S. A.**, Pine, K. H., Lee, M. (2024). Understanding Information Managers: A Thematic Analysis of Information Challenges of Disability Service Providers. In Companion Publication of the 2024 Conference on Computer-Supported Cooperative Work and Social Computing, pp. 629-634. https://doi.org/10.1145/3678884.3681917

- Lee, M., Abubakr, L., Shrivastava, T., Hsu, J. H. P., **Whitman, S. A.**, & Kim, P. (2024). 2024 Assessment of Virginia's Information Ecology of the Disability Services System (No. 46pxt). Center for Open Science. https://doi.org/10.31219/osf.io/46pxt

- 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

- 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

- 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

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

- 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 ****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

Manuscripts in Progress

- **Whitman, S. A.**, Pine, K. H., (*Revising for Future Submission*) Navigating the Diagnostic Quest: The Patient Work of Endometriosis.

- **Whitman, S. A.,** Boehmer, K. R., Pine, K. H., et al. (*Revising for Future Submission*) Identifying and Describing the Patient Work of Chronic Disease: A Typology of the Work of Chronic Kidney Disease.

Grants

- Systems Change to Address Social Drivers of Health at NATIVE HEALTH Using the PRAPARE Screening Tool (*Not Funded*). Vitalyst Health Foundation – Systems Change Grant. $175,000. PI's: Kizer, Elizabeth; Pine, Kathleen. Co-Investigator: **Whitman, S.** 2024

- Implementation and Evaluation of a Combined Screening and Referral Process to Address nSDOH in a Native American Community Health Clinic (*Not Funded*). Agency for Health Care Research and Quality (AHRQ) Small Health Services Research Grant Program. $99,912. PI's: Pine, K., Kizer, E. Co-Investigator: **Whitman, S.** 2024.

- Patient-Centered Exploration and Innovation to Understand and Ease the Burden of Dialysis (*Awarded*). Mayo Clinic and ASU Alliance for Health Care Collaborative Research Seed Grant Program 2018. $50,000. ASU PI: Pine, K., Mayo Clinic PI: Montori, V, Co-Investigators: Boehmer. K., Behnken, E., Thorsteinsdottir, B., **Whitman, S.** 2017

Presentations

Conference Workshops

- Lee, M., **Whitman, S. A.**, Pine, K., Baker, N., Morrison, J., Hartman, S., Kane, T., Saur J. (November 2025). Mapping Research and Practices on AI in the Public Sector, 88th Annual Meeting of Association for Information Science and Technology Conference, Arlington, VA, USA

- **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

- Lozano, F., Jaxon, M., Lee, D., **Whitman, S.A.**, & Kizer, E. (September, 2024). Optimizing SDOH Screening and Referrals at NATIVE HEALTH: A Process Improvement Initiative Using the PRAPARE Tool. Celebration for Resilience 2024 Symposium, Tempe, Arizona, USA

- 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

- Kizer, E., Robles, B., Pine, K., **Whitman, S.**, Smith, N., Jaxon, M., Lozano, F. (October, 2023). Integrating Social Determinants into Primary Care at a Community Health Center: The ASU and NATIVE HEALTH Helping Hands Program. Collaborative Family Healthcare Association Conference. Phoenix, AZ, USA.

- Kizer, E., Robles, B., Pine, K., **Whitman, S.**, Smith, N., Jaxon, M., Lozano, F. (November, 2023). Homelessness Service Navigation in Maricopa County. Knowledge Exchange for Resilience Celebration. Tempe, AZ, USA

- **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)

Technical Skills and Expertise

Research Methods and Approaches:

- Qualitative and mixed-methods research (interviews, focus groups, observations)
- Grounded theory, thematic analysis, and abductive reasoning
- Community-based participatory research and co-design methods
- Survey design and deployment
- Institutional Review Board (IRB) protocol development and ethics compliance

Fieldwork & Stakeholder Engagement

- Participant recruitment and engagement with communities
- Stakeholder interviews with healthcare professionals, emergency responders, and public officials
- Workshop development and facilitation on innovation, adoption, and equity
- Public outreach and community forum facilitation
- Knowledge translation across academic, government, and community settings

Program & Project Management

- Multi-site research coordination and deliverable tracking
- Field site and stakeholder communications
- Strategic planning and evaluation of health programs
- Research team supervision and mentorship

Communication & Dissemination

- Technical and academic writing for diverse audiences (reports, toolkits, peer-reviewed publications)
- Knowledge translation for public health, government, and nonprofit partners
- Public presentations, academic talks, and community briefings
- Data visualization and reporting for non-technical stakeholders

Technical Tools

- Qualitative analysis software (NVivo, Dedoose, Atlas.TI)

- Microsoft Office Suite, Google Workspace
- Miro, Mural (journey mapping)
- Slack, Microsoft Teams, Zoom (collaborative platforms)

Health & Technology Domains
- Patient experience and patient-centered care
- Digital health and health IT implementation
- Chronic illness management and diagnostic journeys
- Health equity and social determinants of health
- Public safety and emergency services (Fire/EMS/911)
- Responsible AI and ethics in healthcare and public sector systems
- Health communication and information access

Service

Patient Work Translational Team—*Team Co-Lead* *December 2021 – Present*
- Co-led a transdisciplinary team of researchers, students, and public health professionals advancing community-engaged research on patient experience and health system transformation.
- Led qualitative research on endometriosis and diagnostic delay, and supported PRAPARE-based SDoH screening implementation at a Phoenix community health clinic.
- Mentored undergraduate researchers and facilitated experiential learning opportunities through grant writing, dashboard development, and intervention design.
- Co-authored scholarly blogs and public-facing reports addressing patient labor, diagnostic inequities, and reproductive health policy.
- Expanded the team's collaborative network by engaging clinical, academic, and community partners to co-develop actionable research and interventions.

SFIS Graduate Student Organization—*Communications Director* *August 2019 – May 2020*
Arizona State University, Tempe, AZ
- Served as Communications Director for the School for the Future of Innovation in Society's Graduate Student Organization, acting as liaison between students, faculty, and administration.
- Managed and maintained digital content across platforms including the SFIS website, newsletters, digital signage, and social media accounts.
- Designed promotional materials and coordinated publicity for GSO-sponsored events and meetings.
- Collaborated with fellow board members to advocate for student interests in faculty and administrative meetings.
- Contributed to shaping internal communication strategies to increase student engagement across degree programs.

Graduate & Professional Student Association—*At Large Representative* *November 2017 – May 2018*
Arizona State University, Tempe, AZ
- Participated in GPSA committees including Professional Development, Internal Affairs, and Government Operations.
- Reviewed and supported administration of graduate travel grants and teaching excellence awards.
- Contributed to policy review processes impacting graduate student resources and university-level recognition programs.
- Represented graduate student perspectives during assembly meetings and organizational initiatives.
- Promoted events and opportunities that supported professional growth and cross-campus collaboration among graduate students.

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 201*