Jahred Liddie, PhD

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I am an environmental health scientist with interests in drinking water quality, environmental justice, statistics and data science, and public health.

EXPERIENCE

George Washington University - Milken Institute School of Public Health Aug. 2025+
Postdoctoral Associate Washington, DC
Water, Health, Opportunity Lab (led by Prof. Xindi Hu)

Harvard University Feb. 2025 - Current
Postdoctoral Fellow Cambridge, MA

- Led projects on water system infrastructure disparities, PFAS drinking water occurrence, and temporal trends
- Mentoring master's and early-stage PhD students on related research projects

Environmental Health and Engineering, Inc. Oct. 2023 - Nov. 2023
Part-time/Short-term Consultant Newton, MA

- Assistant manager (team of 8) for data entry project on PFAS occurrence in well water from public water systems
- Evaluated data for quality assurance/quality control and completeness and provided advice on client data collection

Sphera (formerly thinkstep) Oct. 2016- Jun. 2019
Sustainability Consultant Boston, MA

- Communicated results of environmental life cycle assessments and provided technical advice to clients on how to interpret and reduce environmental impacts

PROGRAMMING AND TECHNICAL SKILLS

Topics: Environmental exposure assessment; environmental epidemiology; applied statistics, data science, and epidemiologic methods (regression modeling, machine learning, causal inference); data wrangling and processing; scientific writing; and science communication

Programming and GIS: R (inc. GIS applications), RMD, STATA, ArcGIS

Other skills: Microsoft Office suite, LaTeX and applications, Adobe Photoshop

RELEVANT PUBLICATIONS, DATA CURATION, AND VISUALIZATIONS

Liddie JM, Dai MQ, Hu XC, Sunderland EM. A Call for a Unified Database to Address Exposure Disparities in the United States. *Wiley Interdisciplinary Reviews - Water* 2025, 12 (4), e70033. https://doi.org/10.1002/wat2.70033.

Liddie JM, Schaider LA, Sunderland EM. Sociodemographic Factors Are Associated with the Abundance of PFAS Sources and Detection in U.S. Community Water Systems. Environ Sci Technol. 2023 May 15. https://doi.org/10.1021/acs.est.2c07255.

Liddie J, Schaider L, Sunderland S. PFAS Statewide Sampling Interactive Map. Last update: 1/3/2024. Available here and associated repository available here.

SCIENCE COMMUNICATION AND INVITED TALKS

Emerging Contaminants in the Environment Conference, "Who is most exposed to PFAS in drinking water? Current insights and data gaps", invited keynote speaker, 2024. *Virtual*.

American Association for the Advancement of Science (Center for Scientific Evidence in Public Issues), "PFAS, Sociodemographic Factors and Implications for Communities and Environmental Justice", panelist, 2023. *Virtual*.

US EPA Federal-State Toxicology Risk Analysis Committee, 2023. *Virtual*. Summary available here.

EDUCATION

Harvard T.H. Chan School of Public Health 2021-2025
Ph.D. in Population Health Sciences
Adviser: Prof. Elsie Sunderland

Harvard T.H. Chan School of Public Health 2019-2021
S.M. in Environmental Health

Harvard College 2012-2016
A.B. in Environmental Sciences Engineering