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Engineering & Scientific Consulting

Annika Ramona, M.P.H.

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Professional Profile

Ms. Annika Ramona is an environmental and occupational epidemiologist with a comprehensive skill set. She has contributed to epidemiologic research, litigation, and analysis across a wide range of exposures, including asbestos, talc, per- and polyfluoroalkyl substances (PFAS), electromagnetic fields (EMF), consumer products, pharmaceuticals, medical devices, COVID-19, Legionella, beryllium, vaccines, formaldehyde, and fiberglass. Her experience also includes supporting toxicological risk assessments for medical devices and pharmaceuticals.

Ms. Ramona's work primarily focuses on cancer endpoints across epidemiologic and toxicological investigations, with experience evaluating broader human health outcomes. She also has experience interpreting and contextualizing human biomonitoring data to characterize exposure trends and potential health implications. Ms. Ramona is proficient in R, ArcGIS, and QGIS for data management, statistical and geospatial analysis, and data visualization.

Ms. Ramona earned a Master of Public Health (M.P.H.) degree in Environmental Health Sciences from University of California (UC), Berkeley in 2023. Her expertise includes biostatistics, epidemiology, data visualization, and exposure and risk assessment. As part of her thesis work at UC Berkeley, she analyzed hospital data obtained from the San Francisco Department of Public Health to evaluate the relationship between exposure to heat and fine particulates (PM2.5) on hospitalizations for renal disease and chronic obstructive pulmonary disease in San Francisco. Ms. Ramona earned her Bachelor of Science degree in Biology and Psychology at Washington State University in 2019.

Ms. Ramona's work experience includes working as a Data Science Intern at the San Francisco Department of Public Health, where she conducted statistical and geospatial analyses to evaluate disparities in extreme heat impacts throughout San Francisco and supported the development of an innovative heat surveillance tool designed to inform mitigation of heat-related and heat-exacerbated health outcomes, which later formed the basis of her M.P.H. thesis work. Ms. Ramona previously also worked in development and fundraising for a not-for-profit organization, as an instructor at UC Berkeley, and for a startup, where she contributed to improving the hydrophobicity of novel, backyard compostable, seaweed-based poly mailers. She also worked on a biogas digester project for improving rural access to renewable energy for a not-for-profit organization. After earning her Bachelor of Science degree, she taught middle school English in rural Nepal with the Peace Corps. She is an active member of the Society for Risk Analysis and has served as the Young Professional Advisor since 2024.

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Academic Credentials & Professional Honors

M.P.H., Public Health, University of California, Berkeley, 2023

B.S., Biology and Psychology, Washington State University, 2019

Academic Appointments

Graduate Student Instructor, Environmental Science, Policy, and Management, UC Berkeley, 2022-2023

Graduate Student Instructor, Global Poverty and Practice, UC Berkeley, 2022

Master's Student Representative to the Educational Policy and Curriculum Committee, Public Health, UC Berkeley, 2021-2022

Prior Experience

Data Science Intern, San Francisco Department of Public Health, 2022

Development and Fundraising Vista, Regional Environmental Council, 2020–2021

English Education Volunteer, Peace Corps Nepal, 2020

Professional Affiliations

2023, Caucus for Women in Statistics

2024–Current, Genetic and Environmental Toxicology Association of Northern California (member)

2024–Current, Society for Risk Analysis (member and Young Professional Advisor)

2025, Journal of Health, Population, and Nutrition (peer reviewer)