



Exponent[®]
Engineering & Scientific Consulting

May Woo, M.S.

Scientist

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Professional Profile

Ms. Woo is an exposure scientist with four years of experience in environmental health research. She has technical expertise and experience in a variety of study designs, including exposure simulation studies, field sampling, and modeling of contaminant transport in ambient and indoor air. Her research and project experience spans exposure assessments of heavy metals (e.g., lead in ambient air and soil) among children, inhalation of persistent organic pollutants (e.g., PCBs), consumer product use scenarios, health risk modeling of energy efficiency measures, and the application of geospatial analyses for environmental health and epidemiological studies.

Prior to joining Exponent, Ms. Woo received her M.S. in Environmental Health with a specialization in Environmental Exposure Assessment from Harvard T.H. Chan School of Public Health, where she was trained in exposure science, toxicology, epidemiology, biostatistics, risk assessment, and physiology. She also received her B.S. in Biology with a minor in Studio Art from Tufts University. She actively publishes in the peer-reviewed scientific literature.

Prior Experience

Graduate Research Assistant, Department of Environmental Health, Harvard T.H. Chan School of Public Health, 2017-2018

Analytics Intern, Environmental Health and Engineering, 2017

Research Assistant, Department of Environmental Health, Boston University School of Public Health, 2014-2016

Undergraduate Research Assistant, Department of Chemical and Biological Engineering, Tufts University, 2012-2013

Professional Affiliations

International Society of Exposure Science, 2018-Present

Publications

Woo MK, Young ES, Mostofa MG, Afroz S, Sharif Ibne Hasan MO, Quamruzzaman Q, Bellinger DC, Christiani DC, Mazumdar M. Lead in Air in Bangladesh: Exposure in a Rural Community with Elevated Blood Lead Concentrations among Young Children. *Int. J. Environ. Res. Public Health*. 2018, 15, 1947.

Levy JI, Woo MK, Duintjer Tebbens R, Nishioka Y. Emission payback periods for increased residential insulation using marginal electricity modeling: a life cycle approach. *Int J Life Cycle Assess* (2017). <https://doi.org/10.1007/s11367-017-1412-x>

Levy JI, Woo MK, Penn SL, Omary M, Tambouret Y, Kim CS, Arunachalam S. Carbon reductions and health co-benefits from US residential energy efficiency measures. *Environ Res Lett.* 2016; 034017 (11). <https://doi.org/10.1088/1748-9326/11/3/034017>

Levy JI, Woo MK, Tambouret Y. Energy savings and emissions reductions associated with increased insulation for new homes in the United States. *Build Environ.* 2016; (96):72-79.

Peer Reviewer

International Journal of Environmental Research and Public Health