

Samira Haddad, PhD

Postdoctoral Research Fellow, Environmental Health

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Summary

Environmental epidemiologist studying air pollution and childhood asthma in city neighborhoods. Experienced in cohort studies, spatial data and teaching graduate methods courses.

Experience

Sep 2023
to Present

Postdoctoral Research Fellow

University of Michigan School of Public Health, Ann Arbor, MI

- Lead analysis of a 4,800-child cohort linking traffic pollution to asthma visits
- Co-wrote a federal research proposal funded at \$2.9M over five years; supervise 3 graduate assistants

Aug 2018
to Aug 2023

Graduate Research Assistant

Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

- Built exposure models for 1,200 air monitors with spatial regression in R
- Coordinated field data collection with 6 community partners

Jan 2019
to May 2022

Teaching Assistant, Epidemiologic Methods

Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

- Taught weekly labs to 90 graduate students a year

Education

2018
to 2023

PhD in Environmental Health

Johns Hopkins University, Baltimore, MD

- Dissertation: Traffic pollution and pediatric asthma in Baltimore

2015
to 2017

MPH in Epidemiology

American University of Beirut, Beirut, Lebanon

Skills

Methods: Cohort studies, spatial statistics, mixed models, exposure assessment

Software: R, Python, ArcGIS, SAS, Stata

Languages: English, Arabic, French

Publications

2024

Haddad S, Ortiz M, Lee J. Traffic exposure and asthma visits in Baltimore children.

2022

Haddad S, Brooks T. Low-cost sensors for neighborhood air monitoring.

2021

Haddad S, Novak P, Chen L. Green space and wheezing in early childhood.

Awards

2023

Delta Omega Honor Society