

Monica W. Gerber

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EDUCATION

Boston University School of Public Health, M.P.H., Biostatistics & Epidemiology 2015
Reed College, B.A., Anthropology 2011

EMPLOYMENT

Biostatistician, *Massachusetts General Hospital | Boston, MA* 2015–present

General Academic Pediatrics, Center for Community Health Improvement, Community Psychiatry Program

- Build models and analyze large datasets from cohort studies, randomized controlled trials, electronic health records, complex surveys, and other sources to understand the distribution and determinants of health.
- Collaborate with doctors, researchers, and executives to develop research questions and analysis plans.
- Communicate results through data visualizations, writing, tables, and interactive apps.

Graduate Research Assistant, *Boston University School of Public Health | Boston, MA* 2014

Community Health Sciences

- Analyzed data from the YRBS using mixed models to understand youth substance use.
- Developed an index to measure exposure to state-level substance use policies.

Spotlight Coordinator, *Boston University School of Public Health | Boston, MA* 2014

Office of Public Health Practice

- Launched Spotlight on Mental Health and led 3 committees overseeing Spotlight.
- Planned campus events and programs. Managed communications, marketing, and outreach.

Consultant Resource Development Specialist, *Health Leads | Boston, MA* 2013

- Conducted an audit to improve quality of Salesforce “Client Connect” database.
- Developed methods for better data management.

AmeriCorps VISTA Member, *Oregon Campus Compact | Portland, OR* 2012–2013

- Team Leader for 34 Summer AmeriCorps Members serving in public schools.
- Reported and mapped educational outcomes for state using public data and GIS software.
- Managed marketing/communications, fundraising, events, and volunteer outreach.

Global Envision Intern, *Mercy Corps | Portland, OR* 2011–2012

- Wrote articles about globalization and solutions to poverty for Mercy Corps’ blog.

TEACHING

Graduate Teaching Assistant, *Boston University School of Public Health*

2014–2015

- Introduction to Epidemiology (EP713), Fall 2015, Ann Aschengrau
- Introduction to Epidemiology (EP713), Fall 2014, Jacey Greece

SKILLS

- Data Science: R, SQL, SAS, Github/Gitlab, markdown
- Epidemiology & Biostatistics: Causal inference, study design, survey design, model building, missing data methods
- Other: Writing and communication to technical and general audiences, mixed methods analysis, ethnographic methods

PUBLICATIONS

Whooten, R.C., Perkins, M.E., **Gerber, M.W.** and Taveras, E.M., 2018. Effects of Before-School Physical Activity on Obesity Prevention and Wellness. *American journal of preventive medicine*.

Valentine, S.E., Nobles, C.J., **Gerber, M.W.**, Vaewsorn, A.S., Shtasel, D.L. and Marques, L., 2017. The association of posttraumatic stress disorder and chronic medical conditions by ethnicity. *Journal of Latina/o psychology*, 5(3), p.227.

Fiechtner, L., Puente, G.C., Sharifi, M., Block, J.P., Price, S., Marshall, R., Blossom, J., **Gerber, M.W.** and Taveras, E.M., 2017. Peer Reviewed: A Community Resource Map to Support Clinical–Community Linkages in a Randomized Controlled Trial of Childhood Obesity, Eastern Massachusetts, 2014–2016. *Preventing chronic disease*, 14.

Taveras, E.M., Marshall, R., Sharifi, M., Avalon, E., Fiechtner, L., Horan, C., **Gerber, M.W.**, Orav, E.J., Price, S.N., Sequist, T. and Slater, D., 2017. Comparative effectiveness of clinical-community childhood obesity interventions: a randomized clinical trial. *JAMA pediatrics*, 171(8), pp.e171325-e171325.

Nobles, C.J., Valentine, S.E., **Gerber, M.W.**, Shtasel, D.L. and Marques, L., 2016. Predictors of treatment utilization and unmet treatment need among individuals with posttraumatic stress disorder from a national sample. *General hospital psychiatry*, 43, pp.38-45.

Nobles, C.J., Valentine, S.E., Borba, C.P., **Gerber, M.W.**, Shtasel, D.L. and Marques, L., 2016. Black-white disparities in the association between posttraumatic stress disorder and chronic illness. *Journal of psychosomatic research*, 85, pp.19-25.

Nobles, C.J., Thomas, J.J., Valentine, S.E., **Gerber, M.W.**, Vaewsorn, A.S. and Marques, L., 2016. Association of premenstrual syndrome and premenstrual dysphoric disorder with bulimia nervosa and binge-eating disorder in a nationally representative epidemiological sample. *International Journal of Eating Disorders*, 49(7), pp.641-650.

LeBlanc, N.J., Dixon, L., Robinaugh, D.J., Valentine, S.E., Bosley, H.G., **Gerber, M.W.** and Marques, L., 2016. PTSD and Romantic Relationship Satisfaction: Cluster-and Symptom-Level Analyses. *Journal of traumatic stress*, 29(3), pp.259-267.

Valentine, S.E., **Gerber, M.W.**, Nobles, C.J., Shtasel, D.L. and Marques, L., 2016. Longitudinal study of mental health and pain-related functioning following a motor vehicle collision. *Health psychology*, 35(7), p.742.

SERVICE

- Boston R-Ladies Meet-up Co-Organizer | 2018–present
- Budget Committee, Participatory Budgeting | City of Cambridge | 2016 & 2017 cycles
- Science Fair Mentor | MGH James P. Timilty Middle School Partnership | 2016–2017
- YWCA of Greater Portland Shelter Volunteer | 2012–2013