

ELIZABETH ATKESON GIBSON

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EDUCATION

Mailman School of Public Health, Columbia University, New York, NY

PhD in Environmental Health Science with concentration in Molecular Epidemiology expected May 2021

Mailman School of Public Health, Columbia University, New York, NY

MPH in Epidemiology with concentration in Applied Biostatistics May 2016
GPA: 4.0/4.0

Emory University, Atlanta, GA

BA in Environmental Studies & English May 2010
GPA: 3.9/4.0

HONORS AND AWARDS

- First Place, Epi Master's Student Day, *Mailman School of Public Health, Dept. of Epidemiology* 2015
- Phi Beta Kappa Honor Society Induction, *Emory University* 2008
- Oxford Scholar, 4 years, *Emory University* 2006-2010
- Dean's List, 4 years, *Emory University* 2006-2010

RESEARCH EXPERIENCE

NYC Department of Health and Mental Hygiene

Jul 2015-Feb 2016

Climate and Health Intern

- Constructed and managed database of hypothermia death records in relational databases using Access.
- Performed data analysis in SAS for descriptive and statistical interpretations of hypothermia deaths.
- Compiled results and drafts manuscript for presentation to CDC and publication.

Columbia Center for Children's Environmental Health, NYC, NY

Jan 2015-Sept 2015

Project Coordinator

- Developed data analysis plan, including data interpretation, variable selection and operationalization, appropriate statistical procedures, and modeling methods for secondary analysis in Mothers & Newborns Study in Tongliang, China.
- Performed data analysis in SAS for descriptive and statistical interpretations of cadmium exposure, biomarkers, and fetal growth in multivariable linear regression.
- Prepared manuscript detailing analysis findings for development as Master's Thesis.

TEACHING EXPERIENCE

Teaching Assistant, Columbia University, Mailman School of Public Health

Sept 2015-Jul 2016

- Biostatistics P8120; Analysis of Categorical Data
- Public Health P6040; Biological & Environmental Determinants of Health
- Multilevel Modeling; Epidemiology and Public Health Summer Institute (EPIC)

Writing Tutor, Oxford Writing Center, Emory University

Aug 2007-May 2008

PROFESSIONAL EXPERIENCE

Sher Garner Cahill Richter Klein & Hilbert, L.L.C., New Orleans, LA

Document Review Specialist

July 2013-May 2014

- Analyzed case-specific documents and abstracted environmental data including pollution events and remedial activities of opposing industry prior to depositions during litigation.
- Organized and interpreted documents for relevance, responsiveness, and significance to environmental cases.

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- Maintained case-specific databases.

U.S. Peace Corps, Republic of Panama

Community Environmental Conservation Extension Agent

Apr 2011-Jun 2013

- Collaborated with government horticultural agency to establish 11 community gardens in homes and primary school, addressing childhood nutritional needs, sustainability, and local access.
- Coordinated recycling program in primary school, confronting waste management as a health, environmental, and social justice problem.
- Formulated lesson plans and facilitated over 300 hours of natural sciences and environmental education for 15 youths from 5-12 years of age.
- Developed and managed funds of an Energy and Climate Partnership of the Americas grant, supervising construction of fuel-efficient cook stoves, resulting in 26 improved stoves built and 52 community members trained in renewable energy technologies and natural resource management.
- Facilitated professional interaction between host country nationals and government agencies to promote sustainable community development.

VOLUNTEER ACTIVITIES

Healthy Start, City of New Orleans Public Health, New Orleans, LA

Volunteer, Best Babies Program

Jul 2013-Oct 2013

- Compiled and managed database focused on social determinants and birth outcomes in high risk communities.
- Collaborated with a neighborhood store owner to draft a Fresh Food Retailers Initiative grant to make fresh, local food available to residents in the Hollygrove neighborhood.

CERTIFICATIONS AND RELEVANT TRAINING

- Biological Safety/Bloodborne Pathogen Training, *Columbia University Medical Center (CUMC)* 2015
- Lab Safety, Chemical Hygiene, and Hazardous Waste Management, *CUMC* 2015
- HIPAA: Health Insurance Portability Accountability Act Research Training Course, *CUMC* 2014
- Collaborative Institutional Training Initiative Conflict of Interest for PHS Researchers, *CUMC* 2014
- Human Subjects Protection Training, CITI Certification, *CUMC* 2014
- Brick Masonry Construction Training, *Ministerio de Ambiente de Panama* 2012
- Agricultural Tractor Safety Training Certificate, *U.S. Fish and Wildlife Service* 2010

PROGRAMMING AND LANGUAGES

- Programming: SAS, SQL, STATA, R
- Computer: Microsoft Office, Photoshop, and QuickBooks
- Languages: Strong oral and written Spanish

PRESENTATIONS AND ABSTRACTS

Presentations

Gibson, E. (2015, Oct) *Molecular effects of in utero cadmium exposure*. Presentation for Epi Master's Student Day, Department of Epidemiology, Columbia University Mailman School of Public Health. New York City, NY.

Abstracts

Lane K, **Gibson E**, Ahmed, M, Olson C, Ito K. *Investigation of Cold-Related Deaths in New York City, 2009-2015*. (2016, Jan) Submitted CDC National Center for Environmental Health, Summit on Environmental Hazards and Health Effects Oct 2015.