

# Frances Williams

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## EDUCATION

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**Columbia University Mailman School of Public Health**, New York, NY expected May 2020  
Master of Public Health, Epidemiology; Certificate in Injury and Violence Prevention  
**Honors:** Delta Omega Honor Society | **Cumulative GPA:** 4.03

**Wesleyan University**, Middletown, CT 2010-2014  
Bachelor of Arts, Neuroscience & Behavior

## RELEVANT COURSEWORK

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- Public Health Law
- Epi Methods in Measuring Human Rights Abuses
- Gender-Based Violence in Complex Emergencies
- Managing Public Health Nonprofits
- Data Science
- Analysis of Categorical Data
- Methods in Program Evaluation
- Applied Epidemiologic Analysis

**SOFTWARE:** R, SPSS, SAS, ArcGIS, CARTO, Adobe Creative Suite (especially InDesign and Illustrator), SurveyGizmo, Apricot, Zotero, EndNote

## RELEVANT WORK EXPERIENCE

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*Columbia University, New York, NY* *Jan 2019-present*

### **Graduate Research Assistant, Department of Epidemiology**

- Conduct data cleaning and spatial analyses in ArcGIS for research on optimizing configurations and timing of sobriety checkpoints to reduce alcohol-related traffic accidents
- Assist with manuscript preparation, literature reviews, IRB submissions, presentations, and other tasks as needed

*NYC Department of Health and Mental Hygiene, Queens, NY*

*Summer 2019*

### **Health Research Training Program (H RTP) Naloxone Research Intern**

- Developed a survey of Opioid Overdose Prevention Programs in NYC to better understand naloxone distribution strategies across organizations, communities served, and barriers to distribution
- Performed data verification and reconciliation for naloxone trainings and distributed kits to address the department's data backlog

*Public Health Management Corporation (PHMC), Philadelphia, PA*

*2016-2018*

### **Research Coordinator, Research & Evaluation Group (2018)**

- Led multiple project evaluations, increasing responsibilities from the Research Assistant role: organized and facilitated meetings, served as primary contact for external partners, maintained project timelines, supervised Research Assistants and interns
- Continued research and evaluation work, designed infographics, developed and delivered presentations for stakeholders and conferences, co-facilitated focus groups, and led grantee training sessions
- Contributed to eight grant proposals, securing continued funding for several projects as well as new funds for an OAH program supporting expectant and parenting teens in Philadelphia
- Led a professional development series for colleagues on data visualization in Excel and InDesign

### **Research Assistant, Research & Evaluation Group (2016-2017)**

- Performed research and evaluation duties on small teams across 10 projects in areas including maternal and reproductive health, tobacco cessation and control, substance use, and injury prevention
- Collected, managed, and analyzed data in SPSS and Excel, developed evaluation tools and surveys in SurveyGizmo, conducted interviews, created maps in ArcGIS, and produced internal and external reports
- Volunteered for additional short-term projects as needed, including taking a lead role in writing a comprehensive literature review on evidence for treating pregnant women who use opioids and their infants for the Center for Medicare and Medicaid Innovation

**Medical Editing Intern**

- Managed databases of MSF-authored publications in Microsoft Access and Zotero; disseminated weekly updates on new research within the organization
- Conducted literature searches and reviews for research topics as needed, including an extensive review of maternal and neonatal mortality and access to BEmONC facilities in Afghanistan
- Performed data cleaning, basic statistical analysis, and data visualization for reports and presentations
- Assisted in editing and formatting MSF-authored manuscripts for publication

Icahn School of Medicine at Mount Sinai – Friedman Brain Institute, New York, NY

2014-2015

**Research Coordinator**

- Worked collaboratively on a team of six, primarily studying Parkinson's disease and autism in mouse models
- Led new student trainings, supervised interns, managed project timelines, and maintained lab inventory database
- Contributed to introduction, methods, and results sections of two publications and provided substantial edits to both manuscripts

**RELEVANT VOLUNTEER EXPERIENCE**

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Get Covered Philly, Philadelphia, PA

Fall 2017

- Created maps in ArcGIS on insurance status and other relevant demographic information for the initiative's website and social media accounts, aiming to promote health insurance enrollment

Médecins Sans Frontières/Doctors Without Borders (MSF), New York, NY

Fall 2016

- Forced from Home Refugee Exhibition, Philadelphia, PA: Coordinated and managed times of tour groups entering the exhibition; answered visitors' questions; assisted with the virtual reality tent; participated in cleanup each day and final breakdown of the traveling exhibition

Wesleyan University, Middletown, CT

2010-2013

- Relay for Life (American Cancer Society) club member and team leader: assisted with annual event planning, fundraising, setup, and cleanup

**PEER-REVIEWED PUBLICATIONS**

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Patrick, M., Kang, N., **Williams, F.**, Hemady, K., Greenbacker, L., & Aussendorf, M. (2019). Using technology to support expectant and parenting youth: Lessons learned in the field. *Manuscript in preparation for the Maternal and Child Health Journal OAH Pregnancy Assistance Fund theme issue.*

Matikainen-Ankney, B.A., Kezunovic, N., Mesias, R.E., Tian, Y., **Williams, F.M.**, Huntley, G.W., & Benson, D.L. (2016). Altered development of synapse structure and function in striatum caused by Parkinson's disease-linked LRRK2-G2019S mutation. *Journal of Neuroscience*, 36(27), 7128-7141.

Friedman, L.G., Riemsлагh, F.W., Sullivan, J.M., Mesias, R., **Williams, F.M.**, Huntley G.W., & Benson, D.L. (2014). Cadherin-8 expression, synaptic localization, and molecular control of neuronal form in prefrontal corticostriatal circuits. *Journal of Comparative Neurology*, 523(1), 75-92.

**SELECTED CONFERENCE PRESENTATIONS**

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**Williams, F.**, Greenbacker, L., Hemady, K., Aussendorf, M., & Kang, N. (2018, April). *Using Technology to Support Expectant and Parenting Youth*. Poster presented at the Xavier Health Disparities Conference, New Orleans, Louisiana.

**Williams, F.**, Nixon, J., Gutierrez, M., Meyer, J., Keith, J.D., Folkenroth, J., Brown, D., & Saylor, E. (2018, March). *Partnerships in Advocacy: Tools for Tackling New Policy Priorities*. Poster presented at the Society for Public Health Education (SOPHE) Annual Conference, Columbus, OH.

**ADDITIONAL TRAINING**

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Summer Institute on GIS and Public Health, University of Pennsylvania

2017

Winter Institute on Qualitative Methods, University of Pennsylvania

2016