

# Brady W. Bennett

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## PROFILE

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Doctoral student in Epidemiology at Emory University focusing on Infectious Disease and HIV transmission dynamics.

## RESEARCH INTERESTS

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Infectious disease | HIV | Neglected tropical diseases | health disparities | marginalized populations | epidemiological methodology

## EDUCATION

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**Emory University**, Atlanta, GA

**PhD**, Epidemiology

2020 – Present

- Advisor: Dr. Jodie Guest

**Brown University**, Providence, RI

**Master of Public Health**, Global Health and Epidemiology

2013-2015

- Thesis: Global Infectious Disease in Developing Countries
  - Paper 1: Patterns of HIV incidence prior to, during, and after violent conflict in 36 sub-Saharan African nations, 1990-2012: An ecological study
  - Paper 2: Biomarkers to define the etiology of anemia at 6 and 12 months of age in a cohort of infants in Leyte, The Philippines
- Advisors: Dr. Jennifer Friedman & Dr. Mark Lurie

**University of Florida**, Gainesville, FL

**Graduate Certificate**, Public Health Foundations

2012-2013

**Berry College**, Rome, GA

**Bachelor of Science**, Biochemistry

2006-2010

- Advisor: Dr. Gary Breton

## ACADEMIC RESEARCH EXPERIENCE

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**Prof. Julie Gazmararian**, Emory University

**Graduate Research Assistant**

May 2021—Present

- COVID-19 Outcomes in Veterans accessing Healthcare at the VA

**Prof. Jodie Guest**, Emory University

Jan 2021 – July 2021

**Research Assistant**

- COVID-19 Antibody Study
  - Manage data collection and analysis for university-based COVID-19 antibody study
  - Administer consent, baseline, and bi-weekly behavioral surveys to participants
  - Utilize SAS and Alchemer survey tools for managing data and administering surveys
- PrEP Uptake Among Females in the US
  - Update analysis on PrEP uptake among females in the US, focused upon racial-ethnic and spatially dependent disparities

**Prof. Ben Lopman**, Emory University

Oct 2020-Apr 2021

**Graduate Research Assistant**

- Manage data collection and quality assurance for Nursing Home-based COVID-19 study
- Utilize REDCap to administer Contact Diary surveys to participants

**Prof. Mark Lurie**, Brown University School of Public Health

**Research Assistant**

Jan 2014-May 2014

- Identify patterns of HIV incidence within violent conflict in 36 sub-Saharan African nations
- Utilize large complex datasets from UNAIDS, Uppsala Conflict Data Program (UCDP), and the World Bank
- Perform Mixed Effect Linear Regression modeling with random slopes and intercepts to determine across and within country patterns of association using SAS v9.4

**Dr. Jennifer Friedman**, Lifespan/Brown University

**Research Intern**

Oct 2014-May 2015

- Determine the iron biomarker that best defines and predicts iron deficiency anemia and non-iron deficiency anemia in infants at 6 and 12 months of age
- Utilize five-year longitudinal data collected in Leyte, the Philippines as a part of an NIH-funded study to determine the effects of Praziquantel treatment of pregnant women with *S. japonicum* infection
- Perform Receiver Operator Curve analysis to determine iron biomarker concentration cut-off values for clinical diagnosis of different types of anemia in infants using JMP v11

## TEACHING EXPERIENCE

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### Teaching Assistant

- Principles of Epidemiology (Professor Mark Lurie) Fall 2014
- Anthropology and Global Social Problems: (Professor Daniel Jordan Smith) Spring 2015
- Epidemiologic Methods I (Professor Jodie L. Guest) Fall 2020
- Epidemiologic Methods II (Professors Kristin Wall and Jeb Jones) Spring 2022

## REFEREED JOURNAL ARTICLES

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- 1) **Bennett BW**, Marshall BDL, Gjelsvik A, McGarvey ST, Lurie MN. 2015. HIV Incidence Prior to, during, and after Violent Conflict in 36 Sub-Saharan African Nations, 1990-2012: An Ecological Study. *PLoS ONE* 10(11): e0142343. doi:10.1371/journal.pone.0142343
- 2) Park S, Bellinger D, Adamo M, **Bennett BW**, Choi, NK, Baltazar P, et al. 2016. Mechanistic Pathways from Early Gestation through Infancy and Neurodevelopment. *Pediatrics*. 138(6): e20161843.
- 3) Escudero DJ, **Bennett BW**, Kenneally S, Darrow WW, Mayer KH, Seage GR. Progress and Challenges in “Getting to Zero” New HIV Infections in Miami, Florida. *Journal of the International Association of Providers of AIDS Care*. 2019. 18(I-9): 10.1177/232595821985212.
- 4) Abioye, A, McDonald EA, Park, S, Ripp, K, **Bennett, BW**, Pond-Tor S, Sagliba, MJ, Amoylen, AJ, Baltazar, PI, Tallo, V, Acosta, LP, Olveda, RM, Kurtis, JD, Friedman, JF.(2019) Maternal anemia type during pregnancy is associated with anemia risk among offspring during infancy. *Pediatric Research*, Vol 86(3), p. 396-402
- 5) Gurley S, **Bennett BW**, Sullivan P, Kiley M, Linde J, Szczerbacki D, Guest J. COVID-19 Vaccine Perceptions, Intentions, and Uptake: A Prospective College-based Cohort Study. *JMIR Public Health and Surveillance*. 19/11/2021:33739

## ARTICLES SUBMITTED/UNDER REVIEW

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## PUBLISHED ABSTRACTS

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- 1) **Bennett BW**, Baltazar P, Acosta L, Olveda R, Tallo V, Caraballo B, Ripp K, Blake R, Wu H, Friedman JF. Biomarkers to better distinguish types of anemia at 6 and 12 months of age in a cohort of infants in Leyte, The Philippines. American Society of Tropical Medicine and Hygiene; New Orleans, LA: ASTMH; 2014. Abstract no. LB-3088
- 2) **Bennett BW**, Marshall BDL, Gjelsvik A, McGarvey ST, Lurie MN. Patterns of HIV incidence prior to, during, and after violent conflict in 36 sub Saharan African nations, 1990-2012: An ecological study. 143rd APHA Annual Meeting and Exposition, Chicago, IL: APHA; 2015. Abstract no. 330888
- 3) **Bennett BW**, Pampati S, Valenzuela-Lara M, Sullivan PS, Guest JL. Geographic clustering and progress in PrEP use among women in the US: 2012-2019. Conference on Retroviruses and Opportunistic Infections; Denver, CO: CROI; 2022. Abstract no. 00847
- 4) **Bennett BW**, Pampati S, Valenzuela-Lara M, Sullivan PS, Guest JL. Geographic clustering and progress in PrEP need among women in the US: 2012-2019. International Workshop on HIV and Hepatitis Observational Databases; Sevilla, Spain: IWHOD; 2022.

## OTHER PRESENTATIONS

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- 1) **Bennett BW**, Marshall BDL, Gjelsvik A, McGarvey ST, Lurie MN. Patterns of HIV incidence prior to, during, and after violent conflict in 36 sub Saharan African nations, 1990-2012: An ecological study. Brown University Public Health Research Day, Providence, RI. Apr 16, 2015.
- 2) **Bennett BW**, Guest JL, Lefkove B, Alexander C, Sanders R, Luyai A, del Rio C. SARS-CoV-2 positivity rates and cycle threshold values at testing sites in Georgia during Delta transmission. Emory University COVID-19 Response: Celebrating the Contributions of Emory Graduate Students, Atlanta, GA. Nov 12, 2021.

## SKILL SET

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### Analytical

- R-studio, STATA, SAS, JMP, Microsoft Excel, SPSS, ArcGIS, MySQL, Microsoft PowerBI

## Qualitative

- REDCap, Alchemer, Survey Monkey, Microsoft Word, Powerpoint, Vizio

## PROFESSIONAL ORGANIZATIONS & SOCIETIES

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- American Public Health Association 2015-2017
- Rhode Island Public Health Association 2013-2015

## AWARDS

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- 1) Conference on Retroviruses and Opportunistic Infections (CROI), Young Investigator Award, 2022
- 2) Emory University Rollins School of Public Health, Outstanding TA Award, PhD Students, 2020-2021
- 3) Brown University Public Health Research Day, Runner-up Poster Presentation, Master's Students. Providence, RI. Apr 16, 2015.

## SERVICE TO THE COMMUNITY

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- 1) EXTRAMURAL
  - a. Miami-Dade County District Wellness Advisory Committee 2018-2019
  - b. Prevention Representative, District 11a, Florida Comprehensive HIV/AIDS Planning Network 2017-2019
  - c. Mentor, Berry College Young Alumni Partner Program 2017-Present
  - d. Board Member, Miami-Dade County HIV/AIDS Partnership 2016-2019
  - e. Prevention Committee, Miami-Dade County HIV/AIDS Partnership 2016-2019
    - i. Vice-Chair 2019
  - f. Miami-Dade County HIV/AIDS "Getting to Zero" Taskforce 2016-2017
    - i. Chair, Social and Support Services Committee
- 2) UNIVERSITY
  - a. Emory University
    - i. Emory University COVID-19 Outbreak Response Team 2020-Present
  - b. Brown University
    - i. Alumni Interviewer, Brown University Alumni Association 2017-Present
    - ii. MPH Program Representative, Brown University School of Public Health Curriculum Committee 2014-2015
- 3) JOURNAL REVIEW
  - a. Conflict and Health 2019-Present
  - b. The Lancet HIV 2019-Present
  - c. Demography 2021-Present