

December 2020

# Daniel T. Vader

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[www.danielvader.com](http://www.danielvader.com)

## Education

### **Doctor of Philosophy in Epidemiology, 2020**

Drexel University – Dornsife School of Public Health, Philadelphia, PA

Thesis: Misclassification and biased estimates of adult hepatitis B immune prevalence in the United States

### **Master of Science in Epidemiology, 2015**

Drexel University – Dornsife School of Public Health, Philadelphia, PA

Thesis: Adult T-Cell Leukemia/Lymphoma in the United States – Associations Between Race/Ethnicity and Country of Origin

### **Bachelor of Arts in English, 2009**

Goshen College, Goshen, IN

Minors: Computer Science, Writing

## Research Experience

### **Postdoctoral Researcher**

University of Pennsylvania School of Medicine, Philadelphia, PA  
July 2020 – present

### **Graduate Research Assistant**

Mid-Atlantic Regional Public Health Training Center Collaborative Project, Philadelphia, PA  
February 2020 – June 2020

### **Statistical Consultant**

Hepatitis B Foundation, Doylestown, PA  
September 2019 – December 2019

### **Research Fellow**

Drexel University - Dornsife School of Public Health, Philadelphia, PA  
September 2015 – August 2017 & September 2018 – August 2019

## Teaching Experience

### **Adjunct Instructor of Epidemiology and Biostatistics**

Geisinger Commonwealth School of Medicine, Doylestown, PA  
June 2016 – August 2018

### **Teaching Fellow**

Drexel University - Dornsife School of Public Health, Philadelphia, PA  
July 2017 – June 2018

### **Teaching Assistant**

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Drexel University - Dornsife School of Public Health, Philadelphia, PA

- 2017 – EPI 564: Data Science Using R
- 2016 – PBHL 630: Intermediate Epidemiology
- 2015 – PBHL 301: Epidemiology in Public Health

## Technical Skills

**Programming:** R, SAS, Java, SQL, Bash, HTML, CSS, PHP

**Software and Tools:** LaTeX, Git, Microsoft Office, Photoshop

## Articles

**Vader DT**, Weldie C, Welles SL, Kutzler MA, Goldstein ND. Hospital-acquired *Clostridioides difficile* infection among patients at an urban safety-net hospital in Philadelphia: Demographics, neighborhood deprivation, and the transferability of national statistics. *Infection Control & Hospital Epidemiology*. 2020.

Freeland C, **Vader DT**, Cohen CA, George B. A Predictive Model for Hepatitis B Infection Among High-Risk Adults Using a Community-Based Sample in Greater Philadelphia. *Journal of Viral Hepatitis*. 2020.

**Vader DT**, Lee BK, Alison AE. Hepatitis B Birth Dose Effects on Childhood Immunization in the U.S. *American Journal of Preventative Medicine*. 2020; 58(2).

## Abstracts

**Vader DT**, Lee BK, Evans AE. Effects of hepatitis B birth dose on childhood immunization status: an investigation using complex survey data and propensity scores estimated with boosted regression. Society for Epidemiologic Research Annual Meeting. 2019. Minneapolis, MN.

## Guest Lectures

**Linear (and Logistic) Regression**, Drexel University Dornsife School of Public Health, 2018  
PBHL 513: Methods for Public Health Research II

**Loops and Functions**, Drexel University Dornsife School of Public Health, 2017, 2018, 2019  
EPI 564: Data Science Using R

**Disease Frequency**, Drexel University Dornsife School of Public Health, 2017  
PBHL 301: Introductory Epidemiology, 2017

## Awards

**Scientific Travel Meeting Subsidy**, Drexel University Department of Epidemiology: 2019

**Professional Development Award**, Drexel University Dornsife School of Public Health: 2019

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**Outstanding Mentorship**, Drexel University Dornsife School of Public Health: 2018

**Teaching Assistant Excellence**, Drexel University Dornsife School of Public Health: 2017, 2018

**Academic Honors (MS Epidemiology)**, Drexel University Dornsife School of Public Health: 2015

## Activities

**Youth Mentor**, West Philadelphia Mennonite Fellowship: 2018-Present

**Treasurer**, Public Health Doctoral Student Advisory Committee: 2018-2019

**Blog Contributor**, GoldsteinEpi: 2018 & 2019

[Relationships between observed outcomes and true prevalence](#)

[Demonstrating report generation using R and Sweave](#)

**Teaching Assistant Trainer**, Drexel University Teaching Assistant Task Force: 2017 & 2018

**Peer Reviewer**, *PLOS One*