

# 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

## Technical Skills

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

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

## Research Experience

### **Graduate Research Assistant**

*Mid-Atlantic Regional Public Health Training Center Collaborative Project, Philadelphia, PA*

February 2020 – Present

### **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

*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

## Other Experience

### Web Content Strategist and Manager

*Goshen College, Goshen, IN*

December 2012 – July 2013

## Articles

**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.

## Submitted Manuscripts

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.

## Ongoing Projects

**Vader DT**, Alison AE. Shared patterns of misclassification in self-reported health data.

**Vader DT**, Goldstein ND, Cohen CA, Alison AE. Re-estimating prevalence of immunity to hepatitis B virus in the United States: self-report, immune memory, and anti-HBs test results.

**Vader DT**, Weldie C, Kutzler M, Welles S, Goldstein ND. Disparities in *C. difficile* infection rates in an urban hospital setting.

**Vader DT**, Alison AE, Goldstein ND, Cohen CA. Hepatitis B vaccination and immunity among first-generation Asian Americans living in the Philadelphia area

## 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

**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*