

## CURRICULUM VITAE

**MELANIE J. FIRESTONE, PhD, MPH**

### IDENTIFYING INFORMATION

#### Academic Rank

Assistant Professor, Division of Environmental Health Sciences, School of Public Health,  
University of Minnesota

### EDUCATION

<b>Degree</b>	<b>Institution</b>	<b>Date Degree Granted</b>
PhD	University of Minnesota School of Public Health Environmental Health Sciences Advisor: Craig W. Hedberg	2020
MPH	Columbia University Mailman School of Public Health Epidemiology Advisor: Catherine Stayton, DrPH	2013
BS	Wake Forest University Health & Exercise Science Minors: Psychology; Health Policy & Administration	2011

### EMPLOYMENT

University of Minnesota School of Public Health Assistant Professor, Division of Environmental Health Sciences	2022-present
Centers for Disease Control and Prevention Epidemic Intelligence Service (EIS) Officer Assigned to: Minnesota Department of Health	2020-2022
University of Minnesota School of Public Health Graduate Research Assistant and Teaching Assistant Advisor: Craig Hedberg	2016-2020
New York City Department of Health & Mental Hygiene City Research Scientist (2013-2016) Research Assistant (2012-2013)	2012-2016
Columbia University, Alice! Health Promotion Health Promotion Assistant	2012-2013

#### Current Membership in Professional Organizations

Council of State and Territorial Epidemiologists [CSTE], 2018-present  
National Environmental Health Association [NEHA], 2018-present  
International Association for Food Protection [IAFP], 2016-present  
Minnesota Environmental Health Association [MEHA], 2016-present

## **CONSULTING/INDEPENDENT CONTRACTING EXPERIENCE**

New York University Langone Health Consultant <i>Projects: Dietary sources of protein and sugar in the National Health and Nutrition Examination Survey (NHANES); The Healthy Eating Index (HEI) and self-rated diet quality</i>	2019-2021
The Pew Charitable Trusts Contractor <i>Project: Root cause analyses for the food industry</i>	2017
New York University Center for Asian American Health Contractor <i>Project: Sources of dietary sodium and salt behaviors by race/ethnicity</i>	2014-2016

## **HONORS AND AWARDS FOR RESEARCH/CREATIVE WORK, TEACHING, PUBLIC ENGAGEMENT, AND SERVICE**

### ***External Sources***

Best of Infectious Disease Society of America Journals 2023, Infectious Diseases Society of America, 2023: Article: Fatal Human Rabies Infection With Suspected Host-Mediated Failure of Post-Exposure Prophylaxis Following a Recognized Zoonotic Exposure—Minnesota, 2021

Excellence in Frontline Public Health Service [Group award], Centers for Disease Control and Prevention, 2022

Delta Omega Honorary Society in Public Health Student Poster Competition, 2019

Student Travel Scholarship, International Association for Food Protection (IAFP), 2019

Jeffrey P. Davis Memorial Scholarship, Council of State and Territorial Epidemiologists (CSTE), 2018

### ***University of Minnesota***

Doctoral Dissertation Fellowship, The Graduate School, 2019-2020

Research Day Student Poster Competition (1<sup>st</sup> Place), School of Public Health, 2019

Conference Travel Grant, Division of Environmental Health Sciences, 2019

Research Day Student Poster Competition (2<sup>nd</sup> Place), School of Public Health, 2018

Mary Lauren Olson Scholarship, Minnesota Environmental Health Association (MEHA), 2018

MnDRIVE Global Food Ventures Fellowship, 2016-2017

Dean's PhD Scholars Award, School of Public Health, 2016-2017

## **RESEARCH, SCHOLARSHIP, AND CREATIVE WORK**

### **Grants and Contracts**

***Received at the University of Minnesota***

## Grants Currently Funded

### External Sources: Federal/National/State/Other

Role: Co-Principal Investigator  
Name of PI: Melanie Firestone, Craig Hedberg  
Source: American Frozen Food Institute  
Title: Quantitative risk assessment model for listeriosis due to the consumption of undercooked frozen potato products  
Dates: 2024-2025  
Direct Costs: \$72,063

## PUBLICATIONS (STUDENT AUTHORS ARE UNDERLINED>)

### Refereed/Peer Reviewed Journal Articles

1. Hedberg CW, **Firestone MJ**, Bender JB, Liang AP. (In press) REP strains, subclusters, and the importance of practicing lessons learned. *Epidemiology and Infection*.  
*Role: Interpretation, Revise Manuscript*
1. **Firestone MJ**, Thorell L, Kollmann L, Fess L, Ciessau G, et al. (2024) Surveillance for unexplained deaths of possible infectious etiologies during the COVID-19 pandemic — Minnesota, 2020-2021. *Public Health Reports*.  
*Role: Study design, Data Collection, Data Analysis, Data Management, Interpretation, Draft Manuscript*
2. Eilers B, Adelbai-Fraser MD, Collado JR [*et al.*, including **Firestone M**] (2023) Patient characteristics during early transmission of SARS-CoV-2, Palau, January 13-February 24, 2022. *Emerging Infectious Diseases*, 29(9); 1939-1941.  
*Role: Study design, Data Collection, Data Management, Interpretation, Review manuscript*
3. Holzbauer SM, Schrodtt CA, Prabhu RM [*et al.*, including **Firestone MJ**]. (2023) Reply to Willoughby. *Clinical Infectious Diseases*, 77(66); 931-932.  
*Role: Interpretation, Review manuscript*
4. Holzbauer SM, Schrodtt CA, Prabhu RM [*et al.*, including **Firestone MJ**]. (2023) Human rabies infection with suspected host-mediated failure of post-exposure prophylaxis following a recognized bat exposure — Minnesota, 2021. *Clinical Infectious Diseases*.  
*Role: Data collection and analysis, Interpretation, Review manuscript*
5. Dunajcik A, Haire K, Thomas JD, Moriarty F, Springer Y [*et al* including **Firestone M**]. (2023) Travel history among persons infected with SARS-CoV-2 variants of concern in the United States, December 2020 - February 2021. *PLOS Global Public Health*, 3(3).  
*Role: Data collection, Interpretation, Review Manuscript*
6. **Firestone MJ**, Holzbauer S, Conelea C, Danila R, Smith K, Bitsko RH, Klammer SM, Gingerich S, Lynfield R. (2023) Rapid onset of functional tic-like behaviors among adolescent girls — Minnesota, September–November 2021. *Frontiers in Neurology*, 13.  
*Role: Study design, Data collection, Data management, Data analysis, Interpretation, Draft manuscript*
7. Prabhu R\*, **Firestone MJ\***, Bergman K, Holzbauer S, Beaudoin A, *et al* (2023). Use of serial testing to interrupt a SARS-CoV-2 outbreak on a hospital medical floor — Minnesota, October–November 2020. *Infection Control & Hospital Epidemiology*, 44(3); 427-432. \*Co-first authors  
*Role: Study design, Data collection, Data management, Data analysis, Interpretation, Draft Manuscript*
8. Chu VT, Schwartz NG, Donnelly MAP, Chuey MR, Soto R [*et al.*, including **Firestone MJ**] (2022) Comparison of home antigen testing with RT-PCR and viral culture during the course of

- SARS-CoV-2 infection. *JAMA Internal Medicine*.  
*Role: Data collection, Data management, Interpretation, Review Manuscript*
9. Donnelly MAP, Chuey MR, Soto R, Schwartz NG, Chu VT [et al., including **Firestone M**] (2022) Household transmission of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Alpha Variant-United States, 2021. *Clinical Infectious Diseases*, 75(1); E122-132.  
*Role: Data collection, Data management, Interpretation, Review Manuscript*
  10. Kim TN, Wildey L, Gleason B, Bleser J, **Firestone MJ** et al. (2022) Foodborne outbreak rates associated with restaurant inspection grading and posting at the point of service: evaluation using National Foodborne Outbreak Surveillance data. *Journal of Food Protection*, 85(7); 1000-1007.  
*Role: Study design, Interpretation, Review manuscript*
  11. Gee JE, Bower WA, Kunkel A [et al., including **Firestone M**] (2022) Multistate outbreak of melioidosis associated with imported aromatherapy spray. *New England Journal of Medicine*, 386(9); 861-868.  
*Role: Data collection, Data management, Interpretation, Review Manuscript*
  12. Sullivan VK, Johnston E, **Firestone MJ**, Yi SS, Beasley JM. (2021) Self-rated diet quality and cardiometabolic health among US adults, 2011-2018. *American Journal of Preventive Medicine*, 61(4); 563-575.  
*Role: Study design, Data analysis, Interpretation, Review Manuscript*
  13. Suhs T, Gerlach D, Garfin J, Lorentz A, **Firestone MJ**, et al. COVID-19 outbreak associated with a fitness center – Minnesota, September-November 2020. *Clinical Infectious Diseases*.  
*Role: Study design, Interpretation, Review Manuscript*
  14. Carter RJ, Rose D, Sabo R, [et al, including **Firestone MJ**]. (2021) Widespread SARS-CoV-2 transmission among attendees at a large motorcycle rally and their contacts, 30 US jurisdictions, August–September, 2020. *Clinical Infectious Diseases*.  
*Role: Conceptualization, Data collection, Data analysis, Interpretation, Review Manuscript*
  15. **Firestone MJ**, Rajamani S, Hedberg CW. (2021) A public health informatics solution to improving food safety in restaurants: putting the missing piece in the puzzle. *Online Journal of Public Health Informatics*, 13(1).  
*Role: Conceptualization, Interpretation, Draft manuscript*
  16. **Firestone MJ\***, Lorentz AJ\*, Meyer S, Wang X, Como-Sabetti K et al. (2021) First identified cases of SARS-CoV-2 Variant P.1 in the United States – Minnesota, January 2021. *MMWR Weekly*, 70(10); 346-347. \*Co-first authors  
*Role: Conceptualization, Data collection, Data management, Data analysis, Interpretation, Draft manuscript*
  17. **Firestone MJ**, Lorentz AJ, Wang X, Como-Sabetti K, Vetter S, et al. (2021) First identified cases of SARS-CoV-2 Variant B.1.1.7 in Minnesota – December 2020-January 2021. *MMWR Weekly*, 70(8): 278-279.  
*Role: Conceptualization, Data collection, Data management, Data analysis, Interpretation, Draft manuscript*
  18. Kim TN, **Firestone MJ**, Dejarnett N, Wildey L, Bliss JC et al. (2021) Disclosing inspection results at point-of-service: Affect of characteristics of food establishment inspection programs on foodborne illness outcomes. *Journal of Environmental Health*, 83(6): 8-13.  
*Role: Study design, Interpretation, Draft manuscript*
  19. **Firestone MJ**, Wienkes H, Garfin J, Wang X, Vilen K et al. COVID-19 outbreak associated with a 10-day motorcycle rally in a neighboring state – Minnesota, August-September 2020. *MMWR Weekly*, 69(47): 1771-1776.  
*Role: Conceptualization, Data collection, Data management, Data analysis, Interpretation, Draft*

*manuscript*

20. Beasley JM, **Firestone MJ**, Popp CJ, Russo R, Yi S. (2020) Age and racial/ethnic differences in dietary sources of protein, NHANES, 2011 – 2016. *Frontiers in Nutrition*, 7.  
*Role: Study design, Data analysis, Interpretation, Draft manuscript*
21. **Firestone MJ**, Eikmeier D, Scher D, Medus C, Hedeem N, Smith K, Hedberg CW. (2020) Can aggregated restaurant inspection data help us understand why individual foodborne illness outbreaks occur? *Journal of Food Protection*, 83(5): 788-793.  
*Role: Study design, Data analysis, Data management, Interpretation, Draft manuscript*
22. **Firestone MJ**, Hedberg CW (2020) Consumer interest and preferred formats for disclosure of restaurant inspection results, Minnesota 2019. *Journal of Food Protection*, 83(4): 715-721.  
*Role: Conceptualization, Data collection, Data management, Data analysis, Interpretation, Draft manuscript*
23. **Firestone MJ**, Lee P, Hedberg CW. (2020) Improving inclusion and exclusion criteria in foodborne illness outbreak investigations: a case study. *Epidemiology & Infection*, 148(e24): 1-5.  
*Role: Study design, Data management, Data analysis, Interpretation, Draft manuscript*
24. **Firestone MJ**, Hedberg CW. (2018) Restaurant inspection letter grades and *Salmonella* infections, New York, New York, USA. *Emerging Infectious Diseases*, 24(12): 2164-2168.  
*Role: Study design, Data management, Data analysis, Interpretation, Draft manuscript*
25. **Firestone MJ**, Beasley JM, Kwon SC, Ahn J, Trinh-Shevrin C, Yi SS. (2017) Asian American dietary sources of sodium and salt behaviors compared to other racial/ethnic groups, NHANES 2011-2012. *Ethnicity and Disease*, 27(3): 241-248.  
*Role: Study design, Data management, Data analysis, Interpretation, Draft manuscript*
26. Adjoian TK, **Firestone MJ**, Eisenhower D, Yi SS. (2016) Validation of self-rated overall diet quality by Healthy Eating Index-2010 score among New York City adults, 2013. *Preventive Medicine Reports*, 3: 127-131.  
*Role: Data analysis, Interpretation, Review manuscript*
27. Yi SS, Bartley K, **Firestone MJ**, Lee KK, Eisenhower D. (2015) Self-Reported Sitting Time in New York City Adults, The Physical Activity and Transit (PAT) Survey 2010-11. *Preventing Chronic Disease*, 12(E85).  
*Role: Data analysis, Interpretation, Review manuscript*
28. **Firestone MJ**, Yi SS, Bartley KF, Eisenhower DL. (2015) Perceptions and the role of group exercise among New York City adults, 2010–2011: An examination of interpersonal factors and leisure-time physical activity. *Preventive Medicine*, 72: 50-55.  
*Role: Conceptualization, Study design, Data analysis, Interpretation, Draft manuscript*
29. Yi SS, **Firestone MJ**, Beasley JM. (2015) Independent associations of sodium intake with measures of body size and body fatness. *Obesity*. 23(1): 20-23.  
*Role: Study design, Data analysis, Interpretation, Review manuscript*

***Non-Refereed/Peer Reviewed Journal Articles***

- Firestone MJ**, Hoelzer K, Hedberg C, Conroy C, Guzewich J. (2018) Leveraging current opportunities to communicate lessons learned from root cause analysis to prevent foodborne illness outbreaks. *Food Protection Trends*. 38(2): 134-138.  
*Role: Conceptualization, Interpretation, Draft manuscript*

**MEDIA AND INTERVIEWS**

***TV/Radio/Podcasts***

- KVSC (88.1 FM) St. Cloud. “Research on a Stick” Live Radio Interview from the 2023 Minnesota

State Fair.

KSTP. “CDC's Epidemic Intelligence Service tracks spread, mutations of coronavirus.” February 22, 2021. <https://kstp.com/news/cdcs-epidemic-intelligence-service-tracks-spread-mutations-of-coronavirus/6020672/>

Health in All Matters Podcast, University of Minnesota School of Public Health. “Episode 10: Wake Up Call.” May 22, 2020. <https://www.sph.umn.edu/about/strategic-priorities/covid-19/health-in-all-matters-podcast/episode-10-wake-up-call/>

WCCO News Talk 830 “Restaurant Inspections with Melanie Firestone.” January 19, 2020. <https://wccoradio.radio.com/media/audio-channel/restaurant-inspections-with-melanie-firestone>

KARE11. “Want to find out how your favorite MN restaurant did on its health inspection? Be prepared to wait.” September 27, 2019. <https://www.kare11.com/article/news/local/mn-restaurant-inspections-hard-to-find/89-d746cff2-380e-474e-b2f4-8bb6c581e919>

Emerging Infectious Diseases Podcast, Centers for Disease Control and Prevention. “Will letter grades in NYC help prevent *Salmonella* infections?” February 12, 2019. <https://tools.cdc.gov/medialibrary/index.aspx#/media/id/396517>

### **Written**

UMN Expert Alert. “Tips for safe outdoor cooking.” July 24, 2023 <https://twin-cities.umn.edu/news-events/tips-safe-outdoor-cooking>

The Minnesota Daily. “Preparing for the next pandemic.” November 9, 2022. <https://mndaily.com/274447/opinion/ericson-preparing-for-the-next-pandemic/>

Insider. “8 teen girls are proof TikTok is not to blame for the rise in social tics, CDC says.” May 12, 2022. <https://www.insider.com/tiktok-tics-what-actually-happened-blaming-social-media-is-misleading-2022-5>

The Star Tribune. “How Minnesota confirmed the nation’s first Brazilian COVID-19 variant case.” March 27, 2021. <https://www.startribune.com/how-minnesota-confirmed-the-nation-s-first-brazilian-variant-case/600039319/>

Infectious Disease Special Edition. “Minnesota COVID-19 outbreak traced to Sturgis rally.” December 18, 2020. <https://www.idse.net/Covid-19/Article/12-20/Minnesota-COVID-19-Outbreak-Traced-to-Sturgis-Rally/61516>

ProPublica. “States with few coronavirus restrictions are spreading the virus beyond their borders.” December 1, 2020. <https://www.propublica.org/article/states-with-few-coronavirus-restrictions-are-spreading-the-virus-beyond-their-borders>

UMN News. “Research Brief: Diners want better access to restaurant inspection information.” January 13, 2020. <https://twin-cities.umn.edu/news-events/research-brief-diners-want-better-access-restaurant-inspection-information>

The Star Tribune. “Hungry for more data on food safety? In Minnesota, it's more than a click away.” January 27, 2019. <http://www.startribune.com/hungry-for-data-on-food-safety-in-minnesota-it-s-more-than-a-click-away/504917712/>

US News & World Report. “Restaurant 'health grade' posters could mean safer dining.” November 23, 2018. <https://health.usnews.com/health-care/articles/2018-11-23/restaurant-health-grade-posters-could-mean-safer-dining>

Contagion Live. “*Salmonella* studies: new drug-resistant strain, effective control measure.” November 19, 2018. <https://www.contagionlive.com/news/salmonella-studies-new-drug-resistant-strain-effective-control-measure>

Infectious Disease News (Healio). “*Salmonella* infections declined after NYC required restaurants to post inspection grades.” November 15, 2018. <https://www.healio.com/infectious-disease/gastrointestinal-infections/news/in-the-journals/%7bd692a64c-ad31-48cd-b59a-7cd2b0cb4cc5%7d/salmonella-infections-declined-after-nyc-required-restaurants-to-post-inspection-grades>

## PRESENTATIONS

### ***Invited Presentations at Professional Meetings, Conferences, etc.***

*Surveillance for Foodborne Diseases in the United States.* Household & Commercial Products Annual Meeting. Ft. Lauderdale, FL; December 2023.

*Using inspection data as hazard surveillance to inform foodborne illness outbreak investigations.* InFORM Regional Meetings. Virtual; April 2021.

*Dine or Dash? Restaurant inspection ratings, diner decisions, and foodborne illness.* Minnesota Environmental Health Association Spring Conference. Deerwood, MN; May 2019.

### ***Invited Presentations at Federal/State/Local Agencies***

*Identification and investigation of SARS-CoV-2 variants in Minnesota.* CDC Community of Practice Webinar. Virtual; February 2021.

*Using inspection data as hazard surveillance to inform foodborne illness outbreak investigations.* EHS-Net Steering Committee Webinar. Virtual; April 2019.

*Letter grading and Salmonella infections: The New York City Experience.* Minneapolis Health Department. Minneapolis, MN; September 2018.

### ***Invited Presentations at University of Minnesota***

*The student experience.* School of Public Health 75<sup>th</sup> Anniversary Gala. December 2019.

### ***Contributed Papers Presented at Professional Meetings, Conferences, etc.***

Patton B, Kim T, **Firestone M**, Kanwat CP, Hedberg C. Characterizing state foodborne illness complaint systems. Council of State and Territorial Epidemiologists Annual Conference; June 2024; Pittsburgh, PA.

**Firestone MJ**, Larson L, Kollmann L, Fess, L, Ciessau G, *et al.* Surveillance for Unexplained Deaths of Possible Infectious Etiologies during the COVID-19 Pandemic – Minnesota 2020-2021. Council of State and Territorial Epidemiologists Annual Conference; June 2023; Salt Lake City, UT.

**Firestone M**, Klumb C, Bauck L, Robinson, T, Scheffel J, Smith K. Animal agriculture exposures among Minnesota residents with *Cryptosporidium parvum* infection – 2012-2019. Council of State and Territorial Epidemiologists Annual Conference; June 2023; Salt Lake City, UT.

**Firestone MJ**, Holzbauer S, Smith K, Danila R, Bitsko R et al. Rapid onset of functional tic-like behaviors among adolescent girls — Minnesota, September–November 2021. Council of State and Territorial Epidemiologists Annual Conference; June 2022; Louisville, KY.

**Firestone MJ**, Holzbauer S, Smith K, Danila R, Bitsko R et al. Rapid onset of functional tic-like behaviors among adolescent girls — Minnesota, September–November 2021. Epidemic

Intelligence Service Conference; May 2022; Atlanta, GA.

Petras JK, Kunkel A, Gettings J, **Firestone M**, Wilson W et al. Imported aromatherapy spray associated multi-state outbreak of melioidosis — Georgia, Kansas, Minnesota, Texas 2021. Epidemic Intelligence Service Conference; May 2022; Atlanta, GA. \*Donald C. Mackel Memorial Award Winner

**Firestone MJ**, Wienkes H, Garfin J, Wang X, Vilen K et al. COVID-19 outbreak associated with a 10-day motorcycle rally in a neighboring state — Minnesota, August-September 2020. Council for State and Territorial Epidemiologists Annual Conference; June 2021; Virtual.

**Firestone MJ**, Wienkes H, Garfin J, Wang X, Beaudoin A et al. COVID-19 outbreak in a healthcare facility associated with a wedding — Minnesota, September–October 2020. Council for State and Territorial Epidemiologists Annual Conference; 2021 June 13–16; Virtual.

Suhs T, Gerlach D, Garfin J, Lorentz A, **Firestone M** et al. COVID-19 outbreak associated with a fitness center — Minnesota, September–November 2020. Council for State and Territorial Epidemiologists Annual Conference; June 2021; Virtual.

**Firestone M**, Hedberg C. Dine or Dash? Restaurant inspections and diner decisions: findings from the 2019 Minnesota State Fair. National Environmental Health Association Annual Educational Conference and Exhibition; July 2020; New York, NY. (Accepted abstract – conference cancelled due to COVID-19 pandemic)

Kim T, Stueven H, **Firestone M**, DeJarnett N, Edwards J, Hedberg C. Evaluation of food establishment programs. InFORM Conference; March 2020; Atlanta, GA. (Accepted abstract – conference canceled due to COVID-19 pandemic)

**Firestone M**, Improving food safety and transparency through inspection standardization and restaurant grading. National Environmental Health Association Annual Educational Conference & Exhibition; July 2019; Nashville, TN.

**Firestone MJ**, Hedberg CW. Improving inclusion and exclusion criteria in foodborne illness outbreak investigations: a case study. Council of State and Territorial Epidemiologists Annual Conference; June 2019; Raleigh, NC.

Fung L, **Firestone MJ**, Moir W, Roe M. Medical Examiner Data on Motor Vehicle and Pedestrian Fatalities. Public Health Approaches in Traffic Safety: A Research Symposium in Support of New York City’s Vision Zero, Columbia University; October 2014; New York, NY.

Fung L, **Firestone MJ**, Moir W, Marcum J, Roe M. Motor vehicle driver and pedestrian fatalities in New York City, 2009-2011: Preliminary Findings. Safe States; May 2014; Atlanta, GA.

Fung L, Roe M, **Firestone M**, Moir W. Pedestrian Fatalities in New York City, 2009-2011: Preliminary Findings. Annual Meeting of the Center for Injury Epidemiology and Prevention at Columbia University; May 2013; New York, NY.

### ***Poster Presentations***

**Firestone M**, Conrad M, Edmundson A, Palacios A, Busbee A, Hedberg C. Addressing data gaps in frozen food consumption, handling, and preparation practices for use in Listeria outbreak investigations. InFORM; January 2024; Washington, DC.

**Firestone M**, Smith K, Medus C, Kim T, Hedberg C. Integrated food safety education through academic and health department partnerships. Presented at the 2023 Association for Schools and Programs of Public Health Annual Meeting; March 2023; Washington, DC.

**Firestone MJ**, Larson L, Kollmann L, Fess L, Ciessau G, et al. Surveillance for unexplained



deaths of possible infectious etiologies during the COVID-19 pandemic — Minnesota, 2020-2021. Poster presented at Training Programs in Epidemiology and Public Health Interventions Network (TEPHINET) Global Scientific Conference; September 2022; Panama City, Panama.

Holzbauer SM, Schrodtt CA, Prabhu RM [et al., including **Firestone M**]. Rabies infection with suspected host-mediated failure of post-exposure prophylaxis following a recognized bat exposure — Minnesota, 2021. Poster presented at International Conference on Emerging Infectious Diseases; August 2022; Atlanta, GA.

Beasley J, **Firestone MJ**, Popp CJ, Russo R, Yi S. Age and racial/ethnic differences in dietary sources of protein, NHANES, 2011-2016. Poster presented at International Sarcopenia Translational Research Conference; June 2021; Virtual.

**Firestone M**, Eikmeier D, Scher D, Hedberg C. Can aggregated restaurant inspection data help us understand why individual foodborne illness outbreaks occur? Poster presented at: The Delta Omega poster session at the American Public Health Association Annual Meeting; November 2019; Philadelphia, PA.

**Firestone M**, Hedberg C. Trends in Salmonella infection rates in urban and rural counties in North Carolina and the impact of urbanization, 1990-2014. Poster presented at: International Association for Food Protection Annual Meeting; July 2018; Salt Lake City, UT.

**Firestone M**, Ebbert A, Hedberg C. Impact of posting letter grades for restaurant inspections on Salmonella infection rates. Poster presented at: Food and Drug Administration Regional Retail Food Protection Seminar / National Environmental Health Association Region 4 Joint Conference; September 2017; Minneapolis, MN.

Beasley J, **Firestone MJ**, Yi SS. Associations between self-rated diet quality and type 2 diabetes indicators: results from the National Health & Nutrition Examination Survey (2009-2010). Poster presented at: American Society for Nutrition Scientific Sessions & Annual Meeting; March 2015; Boston, MA

Adjoian TK, **Firestone MJ**, Eisenhower D, Yi SS. Validation of self-rated overall diet quality by Healthy Eating Index-2010 score among New York City adults, 2013. Poster presented at: 2nd Annual New York City Epidemiology Forum; February 2015; New York, NY.

Yi, S, Bartley K, **Firestone MJ**, Eisenhower D. Self-reported sitting time using a two-question method is a good measure of sedentary behavior: findings in the New York City adult population. Poster presented at: American Heart Association, Epidemiology and Prevention & Nutrition, Physical Activity and Metabolism Scientific Sessions; March 2014; San Francisco, CA.

**Firestone MJ**, Yi S, Bartley K, Johns M, Eisenhower D. Does having active friends, family members, or neighbors influence leisure-time physical activity? Poster presented at: 1st Annual New York City Epidemiology Forum; February 2014; New York, NY.

Fung L, **Firestone MJ**, Moir W, Roe M. Understanding patterns of pedestrian traffic fatalities in New York City, 2009-2011. Poster presented at: 1st Annual New York City Epidemiology Forum; February 2014; New York, NY.

## TEACHING AND CURRICULUM DEVELOPMENT

### University of Minnesota

#### *Courses Taught at University of Minnesota School of Public Health*

Semester/Year	Course, Title	Role, # Students, Credits
Spring 2024	PubH 6183, Theory and Practice in Foodborne	Co-Instructor; 15 students,

	Disease Outbreak Detection, Investigation and Control	1 credit
Fall 2023	PubH 6181, Theory and Practice in Foodborne Disease Outbreak Detection, Investigation and Control	Co-Instructor; 18 students; 2 credits
Summer 2023	PubH 7210-102, Global Food Systems: Animal Food and Feed	Co-Instructor; 11 students; 0.5 credit
Summer 2023	PubH 7210-101, Global Food Systems: Dairy	Co-Instructor; 7 students; 0.5 credit
Summer 2023	PubH 7200-101, Field Epidemiology	Lead Instructor; 12 students; 1 credit
Spring 2023	PubH 6183, Theory and Practice in Foodborne Disease Outbreak Detection, Investigation and Control	Co-Instructor; 15 students; 1 credit
Fall 2022	PubH 6181, Surveillance of Foodborne Diseases and Food Safety Hazards	Co-instructor; 22 students; 2 credits

### ***Course Development at University of Minnesota School of Public Health***

Summer 2024	PubH 7210 sect 101: Global Food Systems: Foraging and Indigenous Foods; Co-Instructor, 0.5 credits
Summer 2024	PubH 7200 sect 102: Global Food Systems: Adult Beverages; Co-Instructor, 0.5 credits
Summer 2024	PubH 7200 sec 101: 13 years after the enactment of FSMA: Can we say that food is safer? Co-Instructor, 1 credits
Spring 2025	PubH 6185: Field Epidemiology, 2 credits

### ***Collaborative Efforts and Activities***

#### ***Guest Lectures and Teaching Assistant Activities***

<b>Semester/Year</b>	<b>Course, Title, Description</b>	<b>University/College</b>	<b>Role, # Students, Credits</b>
Spring 2023	FSCN 1102: Food: Safety, Risks, and Technology <i>Foodborne Illness Surveillance in the United States</i>	University of Minnesota College of Food, Agricultural and Natural Resource Sciences	Guest lecture; 73 students; 3 credits
Spring 2022	NUTR-GE 2190.1.001, Research Methods <i>Public Health Surveillance, Nutritional Epidemiology, &amp; Unique Study Settings</i>	New York University	Guest lecture; 23 students; 3 credits
Spring 2022	PUBH 8120, Occupational and Environmental Health Seminar <i>A Day in the Life of an EIS Officer</i>	University of Minnesota School of Public Health	Guest lecture; 12 students; 3 credits
Winter 2021	Epi 531: Field Epidemiology	Emory University Rollins School of Public Health	Case study facilitator; 27 students; 1 credit
Spring 2018 - present	PubH 6102, Issues in Environmental Health <i>Targeted Transparency Policies and</i>	University of Minnesota School of Public Health	Recorded guest lecture; varied; 2 credits

	<i>Restaurant Letter Grading</i>		
Spring 2018, Spring 2019	PUBH 6183, Theory/Practice in Foodborne Disease Outbreak Detection	University of Minnesota School of Public Health	Teaching Assistant
Fall 2017, Fall 2018	PUBH 6181, Surveillance of Foodborne Diseases & Food Safety Hazards	University of Minnesota School of Public Health	Teaching Assistant
Spring 2017, Summer 2018	PUBH 3102, Issues in Environmental and Occupational Health	University of Minnesota School of Public Health	Teaching Assistant
Fall 2012	P6020, Science, Evidence and Public Policy	Columbia University Mailman School of Public Health	Teaching Assistant

**ADVISING AND MENTORING**

*University of Minnesota*

**Graduate Student Activities**

<b>Student</b>	<b>Degree</b>	<b>Role</b>	<b>Year Finished</b>
McKenna Haas	MPH	Integrated Learning Experience Advisor	Active
Taiwo Aremu	PhD	Committee Member	Active
Andrea Grzybowski	PhD	Co-Advisor	Active
Mohammad Alyasi	MPH	Advisor	Active
Alexandra Edmundson	PhD	Committee Member	Active
Avemaria Obasi	MPH	Applied Practice Experience Preceptor	Active
Zachary Zirnhelt	MPH	Committee Member	2023

*External Universities*

**Graduate Student Activities**

<b>Student</b>	<b>Degree</b>	<b>Role</b>	<b>University</b>	<b>Year Finished</b>
Sophia Gong	MS	Committee Member	Michigan State University	2023

**SERVICE AND PUBLIC OUTREACH**

**Service to The Discipline/Profession/Interdisciplinary Area(s)**

*Journal Reviewer Experience*

<i>American Journal of Public Health</i>	2023
<i>Emerging Infectious Diseases</i>	2021-Present
<i>International Journal of Environmental Health Research</i>	2021
<i>Ethnicity &amp; Disease</i>	2017

*Review Panels for External Funding Agencies*

CDC Environmental Health Grant Reviewer	2020
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**SERVICE TO THE UNIVERSITY/COLLEGE/DEPARTMENT**

*University of Minnesota*

**University-wide service**

*Grant Peer Reviewer. Council of Graduate Students, 2017-2018*

Updated March 8, 2024

**SERVICE TO THE SCHOOL OF PUBLIC HEALTH**

*Co-Chair.* Junior Faculty Luncheons, 2023-present

*Faculty Co-Chair.* Infectious Disease Pod, 2023-present

*Abstract Reviewer.* Judging Committee for School of Public Health Research Day, 2023

**DIVISION SERVICE TO ENVIRONMENTAL HEALTH SCIENCES**

*Member, Faculty Workload Workgroup,* 2024-present

*Member, Faculty Mission Workgroup,* 2024-present

*Member.* Curriculum Committee, 2022-present

*Scholarship Reviewer.* Mary Lauren Olson Scholarship, 2022

*Search Committee Member.* Global Food Ventures Faculty Search, 2018

**PUBLIC (NON-UNIVERSITY) AND OTHER SERVICE**

***Service to the State of Minnesota***

*University of Minnesota School of Public Health Member Representative,* City of Minneapolis Public Health Advisory Committee, 2024-2025

*Consultant,* Minnesota Department of Health, 2022-present

*Student Committee Co-Chair.* Minnesota Environmental Health Association, 2022-present