

# Jason R. Gantenberg

## Curriculum Vitae

✉ [jrgant@brown.edu](mailto:jrgant@brown.edu)  
🌐 <https://github.com/jrgant>  
🌐 <https://www.linkedin.com/in/jrgant>

## EDUCATION

- 2016 – 2022 **Ph.D., Epidemiology**  
Department of Epidemiology  
*Brown University*
- 2013 – 2015 **M.P.H., Epidemiology**  
Dept. of Public Health Sciences  
*Loyola University Chicago*
- 2010 – 2012 **M.A., Writing & Publishing**  
GRADUATED WITH DISTINCTION  
Department of English  
*DePaul University*
- 2002 – 2005 **B.A., English**  
Department of English  
*University of Iowa*

## ACADEMIC APPOINTMENTS

NOV 2022 – PRESENT

Brown University  
**Assistant Professor of the Practice**

Secondary appointment in the Department of Epidemiology, School of Public Health. Co-taught *Intermediate Methods in Epidemiologic Research* in Spring 2023 as secondary instructor.

AUG 2022 – DEC 2022 (PT)

Loyola University Chicago  
**Adjunct Assistant Professor**

Co-instructor for *Introduction to Epidemiology*.

## WORK EXPERIENCE

SEP 2022 – PRESENT

Brown University  
**Research Scientist**

I work in the Department of Health Services, Policy & Practice (Center for Evidence Synthesis in Health) at the Brown University School of Public Health. My research and interests include epidemiologic methods, computational modeling of infectious disease transmission, and applied machine learning.

JULY 2022 – DEC 2022 (PER PROJECT)

Emory University  
**External Consultant**

I design and program modules related to bacterial STI transmission and sexual behavior for EpiModelHIV, an agent-based network model of HIV/STI transmission.

## PEER-REVIEWED PUBLICATIONS

**Gantenberg, J.R.**, van Aalst, R., Bhuma, M.R., Limone, B., Diakun, D., Smith, D.M., Nelson, C.B., Bengtson, A.M., Chaves, S.S., La Via, W.V., Rizzo, C., Savitz, D.A., and Zullo, A.R. Risk Analysis of Respiratory Syncytial Virus Among Infants in the United States by Birth Month. *Journal of the Pediatric Infectious Disease Society*. doi:10.1093/jpids/piae042.

Yorlets, R.R., Lee, Y., **Gantenberg, J.R.** (2023). Calculating risk and prevalence ratios and differences in R: Developing intuition with a hands-on tutorial and code. *Annals of Epidemiology*, 86:104–09. doi:10.1016/j.annepidem.2023.08.001

**Gantenberg, J.R.**, McConeghy, K.W., Howe, C.J., Steingrimsdottir, J., van Aalst, R., Chit, A., Zullo, A.R. (2023). Predicting seasonal influenza hospitalization using an ensemble super learner: a simulation study. *American Journal of Epidemiology*. doi:10.1093/aje/kwad113

**Gantenberg, J.R.**, van Aalst, R., Zimmerman, N., Limone, B., Chaves, S.S., La Via, W.V., Nelson, C.B., Rizzo, C., Savitz, D.A., Zullo, A.R. (2022). Medically attended illness due to respiratory syncytial virus (RSV) infection among infants born in the United States between 2016 and 2020. *The Journal of Infectious Diseases*, 2022;(Supplement 2):S164–74. doi:10.1093/infdis/jiac185.

Zullo, A.R. (co-first), Adams, J.W. (co-first), **Gantenberg, J.R.**, Marshall, B.D.L., Howe, C.J. (2019). Examining neighborhood poverty-based disparities in HIV/STI prevalence: an analysis of Add Health data. *Annals of Epidemiology*, 39:8–14, doi:10.1016/j.annepidem.2019.09.010.

**Gantenberg, J.R.**, King, M., Montgomery, M.C., Galárraga, O., Prosperi, M., Chan, P.A., Marshall, B.D.L. (2018). Improving the impact of HIV pre-exposure prophylaxis implementation in small urban centers among men who have sex with men: an agent-based modelling study. *PLoS ONE*, 0199915, doi:10.1371/journal.pone.0199915. [Corrigendum]

## UNDER REVIEW / IN PROGRESS

**Gantenberg J.R.** (co-first), Thompson K.D. (co-first), et al. Inpatient Service Utilization Amongst Infants Diagnosed with Respiratory Syncytial Virus Infection in the United States.

**Gantenberg J.R.** et al. Healthcare Utilization During Acute Medically Attended Respiratory Syncytial Virus Episodes Among Infants in the United States.

Viera-Rojas T.D., **Gantenberg J.R.**, et al. Examining the Joint Effect of Multilevel Resilience and COVID-19 Distress on Viral Suppression among African American/Black Adults Living with HIV in the Southeastern United States.

Project: EpiModel 2.0 (PI: Samuel M. Jenness).

DEC 2021 – AUG 2022

**Brown University**  
**Postdoctoral Research Associate**

I worked in the Department of Health Services, Policy & Practice and Center for Gerontology at the Brown University School of Public Health. My research and interests include respiratory syncytial virus, epidemiologic methods, applied machine learning, and computational modeling of infectious disease.

AUG 2016 – MAY 2021

**Brown University**  
**Graduate Research Assistant**

Worked on a number of projects related to infectious disease transmission, agent-based modeling, machine learning, causal inference, and disparities in HIV/STI outcomes. 20 hrs/wk.

AUG 2017 – DEC 2018

**Brown University**  
**Graduate Teaching Assistant**

*Introduction to Epidemiologic Methods*

Served as head TA, graded assignments and exams, held office hours, and lectured. 20 hrs/wk.

*Applied Epidemiologic Analysis using SAS*

Graded assignments and lectured. 5 hrs/wk.

*Current Topics in Environmental Health*

Graded assignments and exams. 10 hrs/wk.

*Advanced Quantitative Methods in Epidemiology*

Graded assignments and held office hours. 5 hrs/wk.

NOV 2014 – APR 2015

**Chicago Department of Public Health**  
**Public Health Volunteer**

As the practicum requirement for my MPH degree, I conducted a descriptive study on extragenital gonorrhea among women reporting to Chicago Department of Public Health STD clinics.

AUG 2014 – DEC 2014

**Loyola University Chicago**  
**Teaching Assistant**

*Introduction to Epidemiology*

Recorded lectures, graded assignments, and provided feedback to students.

JAN 2013 – AUG 2016

**American Journal of Neuroradiology**  
**Electronic Publications Manager**

Designed and edited online medical case quizzes collated by expert section editors. Edited and oversaw the *AJNR* Blog and *AJNR* News Digest.

JUN 2005 – DEC 2012

**American Journal of Neuroradiology**  
**Editorial & Web Assistant**

## RESOURCES

**Gantenberg, J.R.** Computing Concepts for Public Health Researchers. <https://brownepi.github.io/StatsCompPH-BrownSPH/>.

## CONFERENCE PRESENTATIONS

**Gantenberg, J.R.**, Trikalinos, T.A., Rosenblatt, S.F., Wei, G., Netter, J., Roarr, B., Wilson-Barthes, M.G., Loftness, B.C., Luiz, P.B., Lurie, M.N. Measuring Human Mobility in Indoor Spaces: The MAPPING@Brown Study. *Society for Epidemiologic Research Annual Meeting*, June 18–21, 2024. Poster.

Luiz, P., Rosenblatt, S.F., **Gantenberg, J.R.**, Wilson-Barthes, M., Khanna, A., Netter, J., Trikalinos, T.A., Wei, G., Loftness, B., Lurie, M.N. Capturing High-resolution Contact Networks for Pandemic Planning: The MAPPING@Brown Study. *INSNA Sunbelt 2024*, June 24–30, 2024. Oral.

Viera-Rojas, T.D., **Gantenberg, J.R.**, Park, J.W., Wilson-Barthes, M.G., Hogan, J.W., Carey, M.P., Dale, S.K., Earnshaw, V.A., Dougherty-Sheff, S., Agil, D., Dulin, A.J., Howe, C.J. Examining the Joint Effect of Multilevel Resilience and COVID-19 Distress on Viral Suppression among African American/Black Adults Living with HIV in the Southeastern United States. *Society for Epidemiologic Research Annual Meeting*, June 18–21, 2024. Oral.

**Gantenberg, J.R.**, van Aalst, R., Diakun, D.R., Limone, B.L., Nelson, C.B., Savitz, D.A., Zullo, A.R. Healthcare Utilization During Acute Medically Attended Respiratory Syncytial Virus (RSV) Episodes among Infants in the United States. *IDWeek 2022*, October 19–23, 2022. Poster.

**Gantenberg, J.R.**, Zimmerman, N.M., Zullo, A.R., Limone, B., Demont, C., Chaves, S.S., La Via, W.V., Nelson, C., Rizzo, C., Savitz, D., van Aalst, R. (2021). Medically Attended (MA) Illness Due to Respiratory Syncytial Virus (RSV) Infection among Infants in the United States during the 2016–17, 2017–18, 2018–19, and 2019–20 RSV Seasons: The Need for All-Infant Protection. *IDWeek 2021*, September 29 – October 3, 2021. Poster.

**Gantenberg, J.R.**, McConeghy, K.W., Howe, C.J., Steingrimsson, J., van Aalst, R., Chit, A., Zullo, A.R. (2021). Assessing the super learner as a tool for predicting seasonal influenza hospitalizations: a simulation study. *Society for Epidemiologic Research Annual Meeting*, June 22–25, 2021. Poster.

**Gantenberg, J.R.**, King, M., Montgomery, M.C., Galárraga, O., Prospero, M., Chan, P.A., Marshall, B.D.L. Improving statewide pre-exposure prophylaxis implementation among men who have sex with men. *Conference on Retroviruses and Opportunistic Infections*, March 4–7, 2018, Boston, MA. Poster.

**Gantenberg, J.R.**, Marshall, B.D.L., King, M., Galárraga, O., Prospero, M., Tributino, A., Montgomery, M., Chan, P.A. The impact of a real-world pre-exposure prophylaxis program on HIV transmission among men who have sex with men: an agent-based modeling study. *International*

Handled day-to-day peer review workflow (approx. 1,300 manuscript submissions per year). Created production-quality materials for journal publication, advertising, social media, and promotional materials. Collated journal submission and publication statistics for Editor and Editorial Board meetings.

## SERVICE

---

- 2022 – 2023 **Abstract Reviewer**  
Society for Epidemiologic Research  
Annual Meeting
- 2019 – 2022 **Communications Committee**  
Society for Epidemiologic Research
- SPRING 2021 **Student Advisory Committee**  
Department of Epidemiology  
Brown University
- 2019 – 2021 **Graduate Library Advising Committee**  
Brown University Libraries
- 2014 - 2015 **MPH Student Assembly**  
Communications Officer  
*Loyola University Chicago*
- 2013 **Strategic Planning Committee**  
Student Representative, Epidemiology  
*Loyola University Chicago*

## SOCIETY MEMBERSHIP

---

- 2021 – PRESENT Society for Causal Inference
- 2017 – PRESENT Society for Epidemiologic Research
- 2015 – PRESENT American Sexually Transmitted Disease Association
- 2017 – 2019 International AIDS Society
- 2014 – 2015 American Public Health Association

## PEER REVIEW

---

*PLoS ONE, Sexually Transmitted Diseases, Addiction*

## OTHER EDUCATION

---

- JUN. 2022 **Target Trial Emulation**  
WORKSHOP  
*Harvard University School of Public Health*  
*Boston, MA*  
*June 27 – July 1, 2022*
- JUN. 2022 **Targeted Learning I and II**  
PRE-CONFERENCE WORKSHOPS  
Targeted Learning I: Causal Inference  
Meets Machine Learning  
Targeted Learning II: Advanced Applications of Causal Inference  
*Society for Epidemiologic Research*  
*2022 Annual Meeting*  
*Chicago, IL*  
*June 14, 2022*

*AIDS Society Conference on HIV Science, July 23–26, 2017, Paris, France. Poster.*

Kliethermes, S. (co-first), **Gantenberg, J.R.** (co-first), Mora, N., Phillips, R.O., Opore-Sem, O., Owusu, D., Layden, J.E. (2016). Age- and region-specific prevalence of hepatitis C virus in Ghana: a population-based study. *The 67th Annual Meeting of the American Association for the Study of Liver Diseases: The Liver Meeting 2016*, November 11–16, 2016, Boston, MA. Abstract.

**Gantenberg, J.R.**, Mikati, T., Tabidze, I. Extragenital screening for chlamydia and gonorrhea increases prevalence of infection in women reporting to Chicago Department of Public Health STD clinics. *American Public Health Association Annual Meeting*, November 4, 2015, Chicago, IL. Oral.

## AWARDS

---

- 2017 **Spring Student Abstract Award**  
Second Prize, Dept. of Epidemiology  
*Brown University*

## INVITED TALKS & LECTURES

---

**Emulating Target Trials to Improve Causal Inference from Observational Data.** April 11, 2024. Injury Control Research to Practice and Policy Core, Lifespan.

**NIAID Fellowship Workshop: Resources for Successful Transition into Research Independence.** May 3–4, 2022. Panelist: Importance of Mentorship in Your Careers.

## OTHER TALKS & LECTURES

---

**Open Access and Scientific Publishing for Public Health Researchers.** (2019). Brown University Open Access Week. Organizer. *Co-organizers:* Andrew Creamer, Erin Athony

**Random Error and Validity.** (2016–2022). Guest lecturer in Introduction to Epidemiologic Methods at Brown University.

## MENTORSHIP

---

- THESIS SUPERVISOR Kikuyo Shaw  
AB, Brown University, 2024
- SECONDARY READER Janelle Barnett  
MPH, Brown University, 2024

## COMPUTING

---

- FAMILIAR Python, Javascript, Stata, WinBUGS, SQL, MySQL, PHP, Stan, elisp
- PROFICIENT  $\LaTeX$ , HTML, CSS, Shiny, Bash, SLURM, Git, SAS, NetLogo
- FLUENT R, R/Markdown

2018 – 2019 **Reflective Teaching (Seminar)**  
CERTIFICATE  
The Harriet W. Sheridan Center for  
Teaching and Learning  
*Brown University*  
*Providence, RI*

OFFICE Windows, Linux, Microsoft Office,  
Adobe Photoshop

AUG. 2018 **Network Modeling for Epidemics**  
WORKSHOP  
*University of Washington*  
*Seattle, WA*  
*August 20 – August 24, 2018*

SPRING 2016 **Introduction to Genetics**  
COURSE  
*College of DuPage*  
*Glen Ellyn, IL*