

Lior Rennert

Department of Public Health Sciences
College of Behavioral, Social, and Health Sciences, Clemson University
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PROFESSIONAL EXPERIENCE

- Clemson University**, Department of Public Health Sciences
Assistant Professor 2018-Present
- University of Pennsylvania**, Department of Biostatistics Epidemiology and Informatics
Research Assistant 2013-2018
- University of Pennsylvania**, Department of Psychiatry/Center of Studies for Addiction
Research Statistician 2011-2013

EDUCATION

- University of Pennsylvania**, Philadelphia, Pennsylvania
Doctor of Philosophy, Biostatistics May 2018
- Dissertation: Statistical Methods for Truncated Survival Data
 - Advisor: Sharon X. Xie, PhD
 - Committee: Warren B. Bilker, PhD, Kevin G. Lynch, PhD, Murray Grossman, MD, EdD
- Certificate in Social, Cognitive, and Affective Neuroscience April 2018
- Master of Science, Biostatistics May 2016
- Thesis: Comparison of Methods for Doubly Truncated Survival Data
 - Advisor: Sharon X. Xie, PhD
- University of Chicago**, Chicago, Illinois
Master of Science, Statistics March 2011
- Thesis: “Analysis of Lung Cancer Incidence in Illinois”
 - Advisor: Debashis Mondal, PhD
- Pennsylvania State University**, University Park, Pennsylvania May 2009
Bachelor of Science, Mathematics
- Graduated with honors in mathematics from the Schreyer Honors College
 - Thesis: “How to Simulate Texas Hold ‘em Poker”
 - Minors: Economics, Statistics

GRANTS

National Institute of Health R01GM138589-01 (PI: Xia Jing): Development, validation, and application of a CDS ontology to facilitate CDS rules reuse, management, and maintenance in simulated primary care setting,” \$1,674,500. 09-01-2020 to 06-30-2025 (role: Co-I)

Prisma Health: Special Call: COVID-19 SEED GRANT (PI: **Lior Rennert**). “Completion and Validation of the Prisma Health Rapid Innovation Task Force Comprehensive COVID-19 Data Registry to Inform and Improve Patient Care,” \$16,000. Period of support: 2020. Role: Co-PI.

Prisma Health: Transformative Research Seed Grant (PI: **Lior Rennert**). “Evaluation of Policies Limiting Opioid Exposure and their Downstream Effects on Persistent Opioid Use and Misuse, Hospital Costs, and Patient Pain and Satisfaction,” \$19,997. Period of support: 2020-2021. Role: PI.

Prisma Health: Cancer Research Seed Grant (PI: Lu Zhang). “Evaluate and Improve Lung Cancer Screening Program at PRISMA Health: A Pilot Study,” \$19,995.64. Period of support: 2020-2021. Role: Co-I.

Prisma Health: Transformative Research Seed Grant (PI: Rachel Mayo, Jennifer Hudson). “Feasibility Study to Measure Stress in Infants with Neonatal Opioid Withdrawal Syndrome,” \$19,999.50. Period of support: 2020-2021. Role: Co-I.

Clemson University Department of Public Health Sciences: Mary Lohr Endowment Fund (PI: Lu Zhang). “Racial disparity and loss to follow-up in lung cancer screening utilization: a pilot study,” \$15,000. Period of support: 2020. Role: Co-I.

Clemson University: College of Behavioral, Social, and Health Sciences Impact Grant (PI: Sara Sarasua). “Cutting Edge 3D Methods, Computational Analytics, and Animal Modeling of Craniofacial Dysmorphologies in Rare Diseases”, \$37,573. Period of support: 2019-2020. Role: Co-I.

SC Department of Health and Human Services (PI: Jennifer Hudson). “Managing Abstinence in Newborns: MAiN 2.0, Statewide Expansion”. Period of support: 2018-2020. Role: Biostatistician (9% effort).

NIH R01 DA034086 (PI: Alain H. Litwin). “Intensive Models of HCV Care for Injection Drug Users”. Period of Support: 2018. Role: Biostatistician (\$15,000 in salary support).

NIH T32MH0652018 (PI: Warren B. Bilker). “Mental Health Training Grant”. Period of support: 2013-2018. Role: Trainee.

Non-Competitive Funding

Clemson University: Public Health Strategist (role: PI, project #1502934). 50% salary support + \$64,708 in student support; Period of support: May 2020 – May 2021

TEACHING EXPERIENCE

Clemson University, Department of Public Health Sciences

<i>Lecturer</i> , HLTH 8320: Quantitative Methods in Health Research II	Fall 2018-2021
<i>Lecturer</i> , HLTH 8900: Selected Topics in Health Research and Evaluation	Spring 2019-2020
<i>Lecturer</i> , HLTH 8310: Quantitative Methods in Health Research I	Spring 2019-2021
<i>Lecturer</i> , HLTH 8990: Independent Study in Applied Health Research and Evaluation	Fall 2018-2020

University of Pennsylvania, Department of Biostatistics, Epidemiology, and Informatics

<i>Guest lecturer</i> , BSTA 754: Advanced Survival Analysis	Fall 2017
<i>Teaching assistant</i> , BSTA 630: Statistical Methods and Data Analysis I	Fall 2015
<i>Teaching assistant</i> , BSTA 620: Probability I	Fall 2014
<i>Teaching assistant</i> , EPID 802: Fundamentals of Biostatistics in Practice	Spring 2014

University of Chicago, Department of Statistics

Guest lecturer, STAT 22000: Statistical Methods and Applications

Teaching Assistant, STAT 24400: Statistical Theory and Method 1

Teaching Assistant, STAT 22000: Statistical Methods and Applications

Spring 2010

Fall 2010

Spring 2010, Winter 2009

PEER-REVIEWED PUBLICATIONS

Published/In Press

1. **Rennert L**, McMahan C, Kalbaugh C, Yang Y, Lumsden B, Dean D, Pekarek L, Colenda CC (2021). Surveillance-Based Informative Testing for Detection and Containment of SARS-CoV-2 Outbreaks on a Public University Campus: an observational and modelling study. *The Lancet Child & Adol. Health*; In press (published online March 19, 2021). [https://doi.org/10.1016/S2352-4642\(21\)00060-2](https://doi.org/10.1016/S2352-4642(21)00060-2)
2. **Rennert L**, Heo M, Litwin AH, de Gruttola V (2021). Accounting for confounding by time, early intervention adoption, and time-varying effect modification in the design and analysis of stepped-wedge designs: application to a proposed study design to reduce opioid-related mortality. *BMC Med Res Methodol*; 21(1):1-14. <https://doi.org/10.1186/s12874-021-01229-6>
3. **Rennert L**, Xie SX (2021). Cox regression model under dependent truncation. *Biometrics*; In press (published online March 9, 2021). <https://doi.org/10.1111/biom.13451>
4. Howard KA*, **Rennert L**, Pericot-Valverde I, Heo M, Norton BL, Akiyama MJ, Agyemang L, Litwin AH (2021). Utilizing patient perception of group treatment in exploring medication adherence, social support, and quality of life outcomes in people who inject drugs with Hepatitis C. *Journal of Substance Abuse*; In press.
5. Charron E, **Rennert L**, Mayo RM, Eichelberger KY, Dickes L, Truong KD (2021). Contraceptive initiation after delivery among women with and without opioid use disorders: A retrospective cohort study in a statewide Medicaid population 2005-2016. *Drug and Alcohol Dependence*; 220(1). doi:10.1016/j.drugalcdep.2021.108533.
6. Pericot-Valverde I, **Rennert L**, Heo M, Akiyama MJ, Norton BL, Agyemang L, Lumsden B, Litwin AH (2021). Rates of perfect self-reported adherence to direct-acting antiviral therapy and its correlates among people who inject drugs on medications for opioid use disorder: The PREVAIL stud. *Journal of Viral Hepatitis*; 28(3):548-557. <https://doi.org/10.1111/jvh.13445>
7. **Rennert L**, Kalbaugh CA, Shi L, McMahan C (2020). Modelling the impact of pre-semester testing on COVID-19 outbreaks in university campuses. *BMJ Open*; 10:e042578. doi:10.1136/bmjopen-2020-042578
8. EC Francis*, Charron E, Li M, Chen L, Mayo R, Butler LS, and **Rennert L** (2020). Third trimester maternal vitamin D and early childhood socioemotional development. *Paediatric and Perinatal Epidemiology*. <https://doi.org/10.1111/ppe.12736>
9. Zinzow H, Shi L, **Rennert L**, Chen L, Lopes S, Zhang L, Jones K, Jindal M, Stam C, Mclain M (2020). Study protocol for a randomized controlled trial of mindfulness-based relapse prevention for opioid use disorders. *Contemporary Clinical Trials*; 99:106182. <https://doi.org/10.1016/j.cct.2020.106182>

10. **Rennert L**, Zhang L, Lumsden B, Harwood K, Tyler L, Ashby M, Hanna JW, Gimbel RW (2020). Factors influencing lung cancer screening completion following participation in shared decision-making: A retrospective study in a US academic health system. *Cancer Treatment and Research Communications*; 24;100198. <https://doi.org/10.1016/j.ctarc.2020.100198>.
11. Charron E, Mayo RM, Heavener-Sullivan SF, Eichelberger KY, Dickes L, Troung KD, and **Rennert L** (2020). “It’s a very nuanced discussion with every woman”: Health care providers’ communication practices during contraceptive counseling for patients with substance use disorders. *Contraception*. <https://doi.org/10.1016/j.contraception.2020.09.002>.
12. Byrne KA, Roth PJ, Merchant K, Baginski B, Robinson K, Dumas K, Colie J, Ramsey B, Cull J, Cooper L, Churitch M, **Rennert L**, Heo M, Jones R (2020). Inpatient link to peer recovery coaching: Results from a pilot randomized control trial. *Drug and Alcohol Dependence*, <https://doi.org/10.1016/j.drugalcdep.2020.108234>.
13. Hudson, J. A., Charron, E., Maple, B., Krom, M., Heavner-Sullivan, S. F., Mayo, R. M., Dickes, L. A., and **Rennert L** (2020). Baby-Friendly Hospital Initiative Is Associated with Lower Rates of Neonatal Hyperbilirubinemia. *Breastfeeding Medicine*, 15(3), 176--182.
14. Gimbel, R. W., **Rennert L**., Crawford, P., Little, J. R., Truong, K. D., Williams, J. E., Griffin, S. F., Shi, L., Chen, L., Zhang, L., others (2020). Enhancing Patient Activation and Self-Management Activities in Patients With Type 2 Diabetes Using the US Department of Defense Mobile Health Care Environment: Feasibility Study. *Journal of Medical Internet Research*, 22(5), e17968.
15. Francis, E., Li, M., Hinkle, S., Cao, Y., Chen, J., Wu, J., Zhu, Y., Cao, H., Kemper, K. A., **Rennert L**, Williams, J. E., Tsai, M., Chen, L., Zhang, C. (2020). Adipokines in Early and Mid-Pregnancy and Subsequent Risk of Gestational Diabetes: A longitudinal study in a multi-racial cohort. *BMJ Open Diabetes Research and Care*;8:e001333. doi:10.1136/bmjdr-2020-001333
16. **Rennert L** and Xie SX (2019). Bias induced by ignoring double truncation inherent in autopsy-confirmed survival studies of neurodegenerative diseases. *Statistics in Medicine*, 38(19): 3599-3613.
17. Shi L, Welsh RS, Lopes S, **Rennert L**, Chen L, Jones K, Zhang L, Crenshaw B, Wilson M, Zinzow H (2019). A pilot study of mindful walking training on physical activity and health outcomes among adults with inadequate activity. *Complementary Therapies in Medicine*, 44: 116-122.
18. Massimo L, **Rennert L**, Xie S, Irwin D, Grossman M, McMillan C (2019). Genetic Variations Hasten Decline in Young Onset Dementia. *Nursing Outlook*, 67(1):116-117.
19. Massimo L, Xie SX, **Rennert L**, Fick DM, Halpin A, Placek K, Williams A, Rascovsky K, Irwin DJ, Grossman M, McMillian CT. (2019). Occupational attainment influences longitudinal decline in behavioral variant Frontotemporal Degeneration. *Brain Imaging and Behavior*, 13(1):293-301.
20. Tan AY, Zhang T, Michael A, Blumenfeld J, Liu G, Zhang W, Zhang Z, Zhu Y, **Rennert L**, Martin C, Xiang J, Salvatore SP, Robinson BD, Kapur S, Donahue S, Bobb WO, Rennert H (2018). Somatic Mutations in Renal Cyst Epithelium in Autosomal Dominant Polycystic Kidney Disease. *Journal of the American Society of Nephrology*, 29(8): 2139-2156; DOI: <https://doi.org/10.1681/ASN.2017080878>

21. Robinson JL, Lee EB, Xie SX, **Rennert L**, Suh E, Bredenberg C, Caswell C, Van Deerlin VM, Yan N, Youself A, Hurtig H, Siderowf A, Grossman M, McMillan CT, Miller B, Duda JE, Irwin DJ, Wolk D, Elman L, McCluskey L, Chen-Plotkin A, Weintraub D, Arnold SE, Brettschneider J, Lee VM. (2018). Neurodegenerative disease concomitant proteinopathies are prevalent, age-related and APOE4-associated. *Brain*, 141(7):2181-2193
22. **Rennert L** and Xie SX (2018). Cox regression model with doubly truncated data. *Biometrics*, 74(2):725-733. **Winner of W. Edwards Deming Student Scholar Award from the 2017 Annual Deming Conference on Applied Statistics.**
23. Yousef A, Robinson JL, Irwin DJ, Byrne MD, Kwong LK, Lee EB, Xu Y, Xie SX, **Rennert L**, Suh E, Van Deerlin VM, Grossman M, Lee VMY, Trojanowski JQ. (2017). Neuron loss and degeneration in the progression of TDP-43 in frontotemporal lobar degeneration. *Acta Neuropathologica Communications*, 5(68). doi:10.1186/s40478-017-0471-3.
24. Wimberly AS, Ivey M, **Rennert L**, McKay JR. (2017). Effect of continuing care for cocaine dependence on HIV sex-risk behaviors. *AIDS and Behavior*, 21(4):1082-1090.
25. Chahine LM, Xie SX, Simuni T, Tran B, Postruma R, Amara A, Oertel WH, Iranzo A, Scordia C, Fullard M, Linder C, Purri R, Darin A, **Rennert L**, Videnovic A, Del Riva P, Weintraub D. (2017). Longitudinal changes in cognition in early Parkinson's disease patients with REM sleep behavior disorder. *Parkinsonism & Related Disorders*, 27:102-106.
26. Brennan L, Siderowf A, Rubright JD, Rick J, Dahodwala N, Duda JE, Hurtig H, Stern M, Xie SX, **Rennert L**, Karlawish J, Shea JA, Trojanowski JQ, Weintraub D. (2016). The Penn Parkinson's Daily Activities Questionnaire-15: Psychometric properties of a brief assessment of cognitive instrumental activities of daily living in Parkinson's disease. *Parkinsonism & Related Disorders*, 25:21-26.
27. Brennan L, Siderowf A, Rubright JD, Rick J, Dahodwala N, Duda JE, Hurtig H, Stern M, Xie SX, **Rennert L**, Karlawish J, Shea JA, Trojanowski JQ, Weintraub D. (2016). Development and initial testing of the Penn Parkinson's Daily Activities Questionnaire. *Movement Disorders*, 31(1):126-134.
28. Suh E, Lee EB, Neal D, Wood EM, Toledo JB, **Rennert L**, Irwin DJ, McMillan CT, Krock B, Elman LB, McCluskey LF, Grossman M, Xie SX, Trojanowski JQ, Van Deerlin VM. (2015). Semi-automated quantification of *C9orf72* expansion size reveals inverse correlation between hexanucleotide repeat number and disease duration in frontotemporal degeneration. *Acta Neuropathologica*, 130(3):363-372.
29. Brennan, L., Rubright, J., Rick, J., Dahodwala, N., Duda, J., Hurtig, H., Stern, M., Xie, S., **Rennert L**, Karlawish, J., others (2015). The Pennsylvania daily activities questionnaire: Development, reliability and validity of a new item bank for cognitive instrumental activities of daily living in Parkinson's disease: 1072. *Movement Disorders*, 30.
30. Van Horn DHA, Drapkin ML, Lynch KG, **Rennert L**, Goodman JD, Thomas T, Ivey M, McKay JR. (2015). Treatment choices and subsequent attendance by substance-dependent

patients who disengage from intensive outpatient treatment. *Addiction Research and Theory*, 23(5):391-403.

31. Van Horn DHA, **Rennert L**, Lynch KG, McKay JR. (2014). Social network correlates of participation in telephone continuing care for alcohol dependence. *American Journal of Addictions*, 23(5):447-552.
32. **Rennert L**, Denis C, Peer K, Lynch KG, Gelernter J, Kranzler HR. (2014). DSM-5 gambling Disorder: Prevalence and Characteristics in a Predominantly Substance-Dependent Sample. *Experimental and Clinical Psychopharmacology*, 22(1):50-56.
33. Plebani JG, Lynch KG, **Rennert L**, Pettinati HM, O'Brien CP, Kampman KM. (2013). Results from a pilot clinical trial of varenicline for the treatment of alcohol dependence. *Drug and Alcohol Dependence*, 133(2):754-758.
34. Kampman, K. M., Henninger, A., **Rennert L**, Plebani, J., Vernace, J., Pettinati, H. (2014). Success in cocaine treatment trials: Which drug use outcome is most associated with clinical improvement? *Drug and Alcohol Dependence*(140), e99.
35. McKay, J. R., Van Horn, D., Ivey, M., Drapkin, M. L., **Rennert L**, Lynch, K. G. (2013). Enhanced continuing care provided in parallel to intensive outpatient treatment does not improve outcomes for patients with cocaine dependence. *Journal of studies on alcohol and drugs*, 74(4), 642--651.
36. McKay JR, Van Horn D, **Rennert L**, Drapkin M, Ivey M, Koppenhaver J. (2013). Factors in sustained recovery from cocaine dependence. *Journal of Substance Abuse Treatment*, 45(2):163-172.
37. McKay JR, Van Horn D, Ivey M, Drapkin M, **Rennert L**, Lynch KG. (2013). Enhanced continuing care provided in parallel to intensive outpatient treatment does not improve outcomes for patients with cocaine dependence. *Journal on Studies of Alcohol and Drugs*, 74(4):642-651.
38. McKay, J. R., Van Horn, D., **Rennert L**, Drapkin, M., Ivey, M., Koppenhaver, J., Morgan-Lopez, A. A., Saavedra, L. M., Hien, D. A., Campbell, A. N., others (2013). Meta-analysis of the effects of MI training on clinicians' behavior. *Journal of Substance Abuse Treatment*, 45(2).
39. Peer K[†], **Rennert L**[†], Lynch KG, Farrer L, Gelernter J, Kranzler HR. (2013). Prevalence of DSM-IV and DSM-5 alcohol, cocaine, opioid, and cannabis use disorders in a largely substance dependent sample. *Drug and Alcohol Dependence*, 127(1-3):215–219.

*My student

[†]Equal contribution to manuscript

UNIVERSITY SERVICE

<i>Founding member, Public Health Strategy Team, Clemson University</i>	2020-Present
<i>Member, Chair Advisory Committee, Clemson University Department of Public Health Sciences</i>	2020-Present
<i>Member, Graduate Committee, Clemson University Department of Public Health Sciences</i>	2019-Present
<i>Member, Search Committee, Clemson University Department of Public Health Sciences</i>	2018-2019
<i>Member, Ethics Committee, Clemson University</i>	2018-2019
<i>Student representative, Graduate Group in Epidemiology and Biostatistics</i>	2016-2018
<i>Student representative, UPenn Dept of Biostatistics Recruitment Committee</i>	2014-2017

PROFESSIONAL SERVICE

<i>Member, Prisma Health Opioid Task Force</i>	2020-Present
<i>Member, Prisma Health COVID-19 Testing Task Force</i>	2020-Present
<i>Member, Prisma Health COVID-19 Rapid Innovation Task Force</i>	2020-Present
<i>Researcher, Prisma Health Opioid Stewardship Committee</i>	2019-Present
<i>Chair, JSM session 218445: Categorical Data</i>	2019
<i>Chair, ENAR session 93: Methods for Ordinal Data</i>	2017
<i>Tutor, West Philadelphia Tutoring Project</i>	2015

EDITORIAL POSITIONS

<i>Guest Editor, International Journal of Environmental Research and Public Health</i>	2021-Present
<i>Reviewer, Clinical Infectious Diseases</i>	2021-Present
<i>Reviewer, American Statistician</i>	2021-Present
<i>Reviewer, British Medical Journal</i>	2020-Present
<i>Reviewer, JAMA Network Open</i>	2020-Present
<i>Reviewer, Statistics in Medicine</i>	2020-Present
<i>Reviewer, Biometrics</i>	2019-Present

AWARDS/HONORS

<i>Data Access, Transparency and Advocacy Group: COVID-19 Data Hero Award Nominee</i>	2021
<i>Clemson University College of Behavioral, Social and Health Sciences: Award of Excellence in Graduate Student Advising and Mentoring</i>	2020
<i>National Institute of Health: Mental Health Training Grant Recipient</i>	2013-2018
<i>Annual Deming Conference on Applied Statistics: W. Edwards Deming Student Scholar Award - To recognize outstanding graduate students in applied statistics</i>	2017
<i>Pennsylvania State University Dean's list</i>	2005-2009

MEDIA APPEARANCES AND INTERVIEWS

1. Fox Carolina (television interview): Updated CDC guidelines on vaccination (March 2021): <https://www.youtube.com/watch?v=BEfV3DzldLk&t=1s>
2. Kaiser Health News (article): Unfilled vaccination appointments (March 2021): <https://khn.org/news/article/cvs-vaccine-supply-exceeds-demand-alabama-south-carolina-louisiana-available-appointments/>
3. Greenville News (article): Clemson confident in containing COVID spread as students return from spring break (March 2021):

<https://www.greenvilleonline.com/story/news/2021/03/23/clemson-sc-covid-spread-students-return-spring-break/4798864001/>

4. Greenville Journal (article): Clemson professor develops models to show COVID-19 spread and help vaccine rollout (February 2021): <https://greenvillejournal.com/healthcare/clemson-professor-develops-models-to-show-covid-19-spread-and-help-vaccine-rollout/>
5. Fox Carolina (television interview): In-depth look at COVID-19 positivity rate calculations (February (2021): https://www.foxcarolina.com/coronavirus/an-in-depth-look-at-dhecs-new-covid-19-positivity-rate-calculations-and-what-they/article_3441a19e-68bd-11eb-ac12-77312fc735b5.html
6. Myrtle Beach Sun News (article): Fact checking COVID-19 vaccination claims (February 2021): <https://www.myrtlebeachonline.com/news/politics-government/article249317245.html>
7. Hilton Head Island Packet (article): SC health experts offer safety tips on ‘devastating’ UK coronavirus variant (February 2021): <https://www.islandpacket.com/news/coronavirus/article249291625.html>
8. Fox Carolina (television interview): COVID-19 vaccine safety, effectiveness, and herd immunity (December 2020): https://www.foxcarolina.com/clemson-health-expert-on-covid-19-herd-immunity-when-masks-may-no-longer-be-needed/video_113889bd-6ec6-5962-ad9f-26ea58c09e71.html
9. The Post and Courier (article): Experts explain why you should want COVID vaccine (December 2020): https://www.postandcourier.com/health/covid19/as-more-people-become-eligible-for-covid-vaccine-experts-explain-why-you-should-want-it/article_bbae7214-38ad-11eb-aabe-bbec136192b2.html
10. The State: SC health experts predict COVID-19 surge after labor day (September 2020): <https://www.thestate.com/news/coronavirus/article245300035.html>
11. Dallas Morning News (article): How Texas campuses may be missing the silent spread of the coronavirus: <https://www.dallasnews.com/news/investigations/2020/08/30/how-texas-campuses-may-be-missing-the-silent-spread-of-the-coronavirus/>
12. ABC News 15 (television interview): South Carolina’s COVID-19 spike (July 2020): <https://wpde.com/news/local/northerners-not-the-main-reason-for-scs-covid-19-spike-clemson-professor-says>

MEMBERSHIPS

American Public Health Association	2020-Present
American Statistical Association South Carolina Chapter	2020-Present
Eastern North American Region, International Biometric Society	2015-Present
American Statistical Association	2014-Present

COMPUTING SKILLS

SAS, R/S+, STATA, Python, NetLogo, MS Office

PRESENTATIONS

Rennert L, *Prisma Health COVID-19 rapid innovation taskforce*. Data-driven approaches to inform resource allocation for mitigation of SARS-CoV-2 spread, Greenville, SC. February 2021 (invited oral presentation).

Rennert L, *Clemson University School of Health Research: Clemson Research at the Forefront of the Pandemic*. Testing strategies to minimize COVID-19 outbreaks, Clemson, SC. October 2020 (invited oral presentation).

Rennert L, *Eastern North American Region Spring Meeting*. Evaluating the robustness of parallel-group and stepped-wedge cluster randomized trials: Implementing interventions to combat the opioid epidemic during a rising tide of activities aimed at improving patient outcomes, Nashville, TN. March 2020. (contributed oral presentation).

Rennert L, Heo M, De Gruttola V. *Joint Statistical Meetings*. Contamination in stepped-wedge randomized trials and its impact on public health interventions, Denver, CO. August 2019. (contributed oral presentation).

Rennert L. Cox Regression Model Under Dependent Truncation. *Lifetime Data Science*, Pittsburgh, PA. May 2019. (invited oral presentation).

Rennert L and Xie SX. Cox Regression Model Under Dependent Truncation with Applications to Studies of Neurodegenerative Diseases. *Joint Statistical Meetings*, Vancouver, CA. August 2018. (contributed oral presentation)

Rennert L and Xie SX. Survival Methods Under Dependent Truncation. *Eastern North American Region Spring Meeting*, Atlanta, GA. March 2018. (contributed poster presentation)

Rennert L and Xie SX. Application of Cox Regression Model to Alzheimer's Disease Under Double Truncation. *Deming Conference in Applied Statistics*, Atlantic City, NJ. December 2017. (invited poster presentation)

Rennert L. Dependent Truncation and Survival Times in Alzheimer's Disease. *Penn Statistical Imaging and Visualization Endeavor Weekly Meetings*, University of Pennsylvania, Philadelphia, PA. June 2017. (oral presentation)

Rennert L and Xie SX. Cox Regression Model with Doubly Truncated Data. *Eastern North American Region Spring Meeting*, Washington, DC. March 2017. (contributed poster presentation)

Rennert L and Xie SX. Cox Regression Model with Doubly Truncated Data. *Joint Statistical Meetings*, Chicago, IL. August 2016. (contributed oral presentation)

Rennert L and Xie SX. Weighted Semi-Parametric Regression Models for Doubly Truncated Survival Data. *Eastern North American Region Spring Meeting*, Austin, TX. March 2016. (contributed poster presentation)

Rennert L and Xie SX. Comparison of Survival Analysis Methods for Doubly Truncated Data. *Joint Statistical Meetings*, Seattle, WA. August 2015. (contributed poster presentation)

Rennert L, Grossman M, Xie SX. Adjusting for Truncation in Survival Analysis for Autopsy Confirmed Neurodegenerative Disease Study. *Master's Thesis Presentation*, University of Pennsylvania, Philadelphia, PA. April 2015. (oral presentation)

Rennert L, Xie SX, Massimo L, Rascovsky K, McMillan CT, Grossman M. Occupational Attainment Delays Cognitive Decline in Frontotemporal Degeneration. *American Academy of Neurology*, Washington, DC. April 2015. (invited poster presentation)