

## I. PROFESSIONAL GROWTH

## Refereed Journal Articles

1. Susan M. Kiene, Corinne McDaniels-Davidson, **Chii-Dean Lin**, Tasi Rodriguez, Nicole Chris, Rebecca Bravo, Vernon Moore, Tom Snyder, Marisela Arechiga-Romero, Lynnette Martinez, Eyal Oren (2023). "A Randomized Non-Inferiority Trial of At-Home vs Onsite COVID-19 School-Based Screening Testing", *Pediatrics*, Accepted
2. Almeida, A., Ogbonnaya, I. N., Wanyenze, R. K., Crockett, K. S., Ediau, M., Naigino, R., **Lin, C. D.**, & Kiene, S. M. (2023) "A psychometric evaluation and a framework test of the HIV stigma mechanisms scale among a population-based sample of men and women living with HIV in central Uganda". *AIDS and Behavior*, In press
3. M. H. Tsou, J. Xu, **C. D. Lin**, M. Daniels, J. Embury, E. Ko, J. Gibbon (2023). "Analyzing Socioeconomic Factors and Health Disparity of COVID-19 Spatiotemporal Spread Patterns at Neighborhood Levels in San Diego County". *Annals of the American Association of Geographers*, In press
4. Katelyn M. Sileo, Rhoda K. Wanyenze, Katherine A. Schmarje, Rose Naigino, Michael Ediau, Haruna Lule, Seth C. Kalichman, **Chii-Dean Lin**, Nicolas A Menzies, Moses H. Bateganya, Susan M. Kiene (2023). "Depression prevalence, correlates, and points of intervention from a population-based sample of women and men in rural central Uganda". *BMC Open*, In press
5. **Lin C-D**, Lui K-J. (2022). "A note on point estimation and interval estimation of the relative treatment effect under a simple crossover design". *Pharmaceutical Statistics*, **21** (2), 386-394. doi:10.1002/pst.2176
6. M. Attin, K. Reifenstein, S. Mehta, K. Arcoleo, **C.D. (Joey) Lin**, E. Storzynsky (2022). "Reported Signs, Symptoms, and Diagnostic Tests Prior to Cardiotoxicity Among Women with Breast Cancer: A Pilot Study", *Journal of Cardiovascular Nursing*, **37**(2), 104-111. doi: 10.1097/JCN.0000000000000848.
7. A. J. Blashill, J. R. Gordon, S. A. Rojas, C. B. Ramers, **C. D. Lin**, C. M. Carrizosa, K. A. Nogg, K. M. Lamb, N. C. Lucido, I. J. Jones, D. Rivera, R. A. C. Aguilar, J. P. Brady, M. Fuentes, K. J. Wells (2021). "Pilot Randomized Controlled Trial of a Patient Navigation Intervention to Enhance Engagement in the PrEP Continuum among Young Latino MSM: A Protocol Paper." *BMJ Open*, 11(5): e040955
8. Attin, M., Abiola, S., Magu, R., Rosero, S., Apostolakos, M., Groth, C. M., Block, R., **Lin, C. D.**, Intrator, O., Hurley, D., Arcoleo, K. (2020). "Polypharmacy Prior to In-hospital Cardiac Arrest among Patients with Cardiopulmonary Diseases: A Pilot Study." *Resuscitation Plus*, **4**, 100026.
9. Kalichman, S. C., Shkempi, B., Wanyenze, R. K., Naigino, R., Bateganya, M. H., Menzies, N. A., **Lin, C. D.**, Lule, H., Kiene, S. M. (2020). "Perceived HIV stigma and HIV testing among men and women in rural Uganda: a population-based study". *The Lancet. HIV*, **7**(12), e817-e824.

10. Lui, K.-J., **Lin, C. D.** (2019). "Notes on Interval Estimation under the AB/BA Design in Multicenter Trials with Binary Responses." *Statistics in Biopharmaceutical Research*, **11**, 220-227.
11. S. M. Kiene, S. C. Kalichman, K. M. Sileo, N. A. Menzies, R. Naigino, **C. D. Lin**, M. H. Bateganya, H. Lule, R. K. Wanyenze (2017). "Efficacy of an enhanced linkage to HIV care intervention at improving linkage to HIV care and achieving viral suppression following home-based HIV testing in rural Uganda: study protocol for the Ekkubo/PATH cluster randomized controlled trial." *BMC Infectious Diseases* **17**(1):460.
12. K. Lui, K. Zhang, **C. D. Lin** (2017). "Testing equality and interval estimation of the generalized odds ratio in ordinal data under a three-period crossover design." *Stat Methods Med Res.* **26**(3), 1165-1181.
13. M. Attin, L. Wang, R. Soroushmehr, **C. D. Lin**, H. Lemus, M. Spadafore, K. Najarian (2016). "Digitization of Electrocardiogram from Telemetry Prior to In-hospital Cardiac Arrest: A Pilot Study." *Biological Research for Nursing.* **18**, 230-236.
14. K. M. Campbell, K. Haldeman, C. Lehnig, C. Munayco, E. S Halsey, A. Laguna-Torres, M. Yagui, A. C Morrison, **C. D. Lin**, T. W. Scott (2015). Weather Regulates Location, Timing, and Intensity of Dengue Virus Transmission Between Humans and Mosquitoes. *PLOS Neglected Tropical Diseases.* 9(7), e0003957.
15. M. Attin, **C. D. Lin**, H. Lemus (2015). "A Potential Impact of Nursing Characteristics Prior to In-hospital Cardiac Arrest: A Self-reported Study." *Journal of Clinical Nursing.* **24**, p3736-3738.
16. M. Attin, G. Feld, H. Lemus, K. Najarian, S. Shandilya, L. Wang, P. Sabouriazad, **C. D. Lin** (2015). "Electrocardiogram characteristics prior to in-hospital cardiac arrest." *J Clin Monit Comput.* **29**, p385-392.
17. M. Maybauer, D. Maybauer, P. Enkhbaatar, R. Laporte, H. Wisniewska, L. Traber, **C. D. Lin**, J. Fan, K. Wisniewski, C. Scheingart, D. Landry, P. Riviere, D. Traber (2014). "The Selective V1a Receptor Agonist FE 202158 Blocks Vascular Leak in Ovine Septic Shock." *Critical Care Medicine*, **42**(7), e525-533.
18. K. J. Lui and **C. D. Lin** (2014). "Notes on Test Homogeneity of the Odds Ratio in Matched Pairs under Stratified Sampling: A Monte Carlo Evaluation". *Communication in Statistics - Simulation and Computation.* **43** (10), p2403-2414.
19. C. Kartavya, A. Shadyab, **C. D. Lin**, N. F. Crum-Cianflone (2014), "Trends and Factors Associated with Initial and Recurrent Methicillin-Resistant Staphylococcus aureus (MRSA) Skin and Soft-Tissue Infections among HIV-Infected Persons: An 18-Year Study". *Journal of the International Association of Providers in AIDS Care.* **13**(3), p206-213. 1.16,
20. K. Campbell, **C. D. Lin**, S. Iamsirithaworn, T. W. Scott (2013). "The Complex Relationship between Weather and Dengue Virus Transmission in Thailand". *Am J Trop Med Hyg.* **89**(6), p1066-1080.
21. Chapman, P.; Cabrera, D.; Varela-Mayer, C.; Baker, M.; Elnitsky, C.; Figley, C.; Thurman, R.; **Lin, C. D.**; Mayer, P. (2012). Training, Deployment Preparation, and Combat Experiences of Deployed Health Care Personnel: Key Findings From

- Deployed U.S. Army Combat Medics Assigned to Line Units. *Military Medicine*, **177**(3) p270-277.
22. J. Chen and **C. D. Lin** (2010) "Modeling Continuous Auxiliary Covariate Data in Generalized Linear Mixed Models Using the Kernel Smoother", *Biometrical Journal*, **52**, p362-376.
  23. S. Uline, T Wolsey, M. Tschannen-Moran, **C. D. Lin**. (2010) "Improving the Physical and Social Environment of School: A Question of Equity", *Journal of School Leadership*, **20**, P597-632.
  24. N. Kim and **C. D. Lin**. (2010) "Arbitration's Summer Soldiers Marching into Fall: Another Look at Eisenberg, Miller, and Sherwin's Empirical Study of Arbitration Clauses in Consumer and Nonconsumer Contracts", *Vermont Law Review*, **34**, p597-617
  25. K. J. Lui and **C. D. Lin**. (2008) Sample Size Determination for Cluster Randomization Phase II Trials of Dichotomous Data. *Statistical Methodology*, **5**, p474-485.
  26. **C. D. Lin** (2005). Exact Confidence Intervals for Simple Difference under Inverse Sampling, *Far East Journal of Theoretical Statistics*, **16**, p19-28.
  27. **C. D. Lin** and K. J. Lui (2004). Interval Based Sample Size Calculation in Case-control Studies with Matched-pairs under Inverse Sampling. *Far East Journal of Theoretical Statistics*, **13**, p1-13.
  28. **C. D. Lin** and R. Levine (2004). Mega deal? A Relative Performance Analysis for Major League Baseball Players". "Economics, Management, and Optimization in Sports, S. Butenko, P. Pardalos, and J. Gil-Lafuente Eds, p163-184, Springer.
  29. K. J. Lui and **C. D. Lin** (2004). Four Confidence Intervals of Rate Difference under Poisson Distributions. *Journal of Probability and Statistical Science*, p21-34.
  30. K. J. Lui and **C. D. Lin** (2004). Sample Size Determination in Double Consent Randomized Design, *Drug Information Journal*, **38**, p149-156. .
  31. K. J. Lui, X. H. Zhou, **C. D. Lin** (2004). Testing Equality between Two Diagnostic Procedures in Paired-Sample Ordinal Data. *Biometrical Journal*, **46**, P642-652.
  32. K. J. Lui and **C. D. Lin** (2003). A Revisit on Comparing the Asymptotic Interval Estimators of Odds Ratio in a Single  $2 \times 2$  Table, *Biometrical Journal*, **45**, p226-237.
  33. K. J. Lui and **C. D. Lin** (2003). Interval Estimation of Treatment Effects in Double Consent Randomized Design, *Statistica Sinica*, **13**, p179-187.
  34. **C. D. Lin** and K. J. Lui (2002). Letter to the Editor: Randomized Consent Designs for Clinical Trials: An Update, *Statistics in Medicine*, **21**, p2601-2605.
  35. J. Buonaccorsi and **C. D. Lin** (2002). Berkson Measurement Error in Repeated Measures Experimental Designs with Random Coefficients, *Journal of Statistical Planning and Inference*, **104**, p53-72.
  36. M. K. Owens, **C. D. Lin**, C. A. Taylor JR., S. G. Whisenant (1998). Seasonal Patterns of Plant Flammability and Monoterpenoid Content in *Juniperus ashei*. *Journal of Chemical Ecology*, **24**, p2115-2129.

## Refereed Report

1. Elder JP, Ibarra L, Rossi D, et al. (2021). Comparing Programs to Improve Asthma Control and Quality of Life for Latino Youth Living in Rural Areas and Their Caregivers—The Respira Sano Study. Patient-Centered Outcomes Research Institute (PCORI). <https://doi.org/10.25302/04.2021.AS.130805876>

### Papers in Abstract Refereed Proceedings

1. **C. D. Lin** (2019). Conducting Tests in Multivariate Regression, *SAS Global Forum Proceedings*, Dallas, TX. 13p.
2. **C. D. Lin** (2015). Data Analyses in Multivariate Regression, *Western Users of SAS Software Annual Conference Proceedings*, San Diego, CA. 10p.
3. L. Harshman , K. Muller , **C. D. Lin** , J. D. Brooks , J. Higgins , J. Berglin, T. Hunter , J. Copp (2014). "Characterization of the mTOR Autophosphorylation Site, S2481, as a Novel Biomarker in Renal Cell Carcinoma (RCC)" *Journal of Clinical Oncology* **32** p.4571.
4. J. L. Chung , J. Pollack , M. Chua , S. So , **C. D. Lin** , A. Y. Lin (2012). "Identification of a 14-gene Signature that Predicts Survival in Colorectal Cancer with Liver Metastasis". *Journal of Clinical Oncology*. **30** p.e14037.
5. **C. D. Lin** (2012). Sample Size Calculation and Power Analysis for Design of Experiments Using Proc GLMPOWER. *Western Users of SAS Software Annual Conference Proceedings*, Long Beach, CA. 10p.
6. **C. D. Lin** (2010). Planned Contrasts and Post-Hoc Tests in MANOVA Made Easy. *Western Users of SAS Software Annual Conference Proceedings*, San Diego, CA. 10p.
7. **C. D. Lin** and M. Ji (2004). UNIX Comes to the Rescue: A Comparison between PC SAS and UNIX SAS. *Western Users of SAS Software Twelveth Annual Conference Proceedings*, 6p.
8. **C. D. Lin** and K. J. Lui (2002). A Macro for Constructing Confidence Intervals of Simple Difference in Dichotomous Data with Repeated Measurements. *Western Users of SAS Software Tenth Annual Conference Proceedings*, p380-383.

### Papers in Process

1. Nadia Mendoza\*, Barbara Bailey, Susan M. Kiene, Rhoda K. Wanyenze, Katherine Schmarje Crockett, Rose Naigino, Michael Ediau, Seth C. Kalichman, Nicolas A Menzies, **Chii-Dean Lin\*** (2023). "Evaluating Imputation Methods for Missing Data: an Application with Data with Class Imbalance, the Linkage to HIV Care Uganda Study". *BMC Medical Informatics and Decision Making*, under review
2. B. W. Shen, **C. D. Lin**, J. Cui (2021). "Revealing Scale Dependence of Chaotic Solutions within High-dimensional Lorenz Models using Singular Value Decomposition". Preprint
3. K. Campbell, C. Lehnig, J. D. Talley<sup>1</sup>, C. Munayco, S. Iamsirithaworn, K. Halde-  
man<sup>1</sup>, M. Wilson<sup>1</sup>, E. Halsey, V. Torres, A. Morrison<sup>6</sup>, I. Yoon, A. Ponlawat<sup>8</sup>, J.  
Richardson, R. Gibbons, L. Suarez-Ognio, M. Moscoso, G. Ramirez, **C.D. Lin**, J.  
Castillo. (2021) "Spatially-explicit, time-varying vector basis of risk for dengue virus  
transmission", Preprint

1. **C. D. Lin** and K. J. Lui. "Power Analysis and Sample Size Determination for Repeated Measurements in Dichotomous Data: A Graphic Discussion". Technical Report
2. **C. D. Lin**, R. Levine, J. Davis. "The General Manager as a Sabrmetrician: Quantitative Decision-making for Designing a Winning (and Profitable) Team". Technical Report
3. **C. D. Lin** and K. J. Lui (2002). A Note on One-sided Test for Two Proportions, ASA Proceedings of the Joint Statistical Meetings, p2113-2117.