

## Weiliang Cen

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### Education

#### PhD in Biostatistics

*College of Public Health, University of South Florida (Expected 2025 Fall Semester)*

*Dissertation: "Statistical Challenges and Simulation Results for Pilot Clinical Trials"*

*Major Professor: Dr. Henian Chen (Chair of Biostatistics and Data Science at USF)*

#### MPH in Biostatistics

*College of Public Health, University of South Florida (Dec 2017)*

#### BS in Exercise Physiology

*University at Buffalo (May 2015)*

#### High School

*St. Maarten Academy (May 2010) - Location: St. Maarten, Netherlands Antill*

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### Employment and Professional Experience

#### Biostatistician (Research Assistant) Jan 2021 – Present

*Study Design and Data Analysis (SDDA) Core, College of Public Health, USF*

Projects worked on:

1. R01 clinical trial: R01CA243800 (NCI, NIH) The Positively Quit trial: Addressing disproportionate smoking rates among people living with HIV. (on-going) PI: Dr. Stephanie Marhefka, *College of Nursing - University of South Florida*
2. Impact of Post-Stroke Post-Traumatic Stress Disorder PI: Dr. Swetha Renati  
*Tampa General Hospital and University of South Florida*
3. Dementia Screening in Atrial Fibrillation Clinic: Cerebral Microbleed Early Detection for Ischemic-Hemorrhagic Stroke Risk-Benefit Analysis. PI: Dr. Chan Gu, Dr. David Rose  
*Tampa General Hospital and University of South Florida*
4. Musicians' Whole-Body Balance and Mindfulness Mental Training: A Randomized Small Sample Controlled Mind-Body Study (Pilot Trial) (on-going), PI: Dr. Sang-Hie Lee  
*College of Music - University of South Florida*

#### Statistical Data Analyst Jan 2018 – Dec 2019

*Rightpath Research and Innovation Center, University of South Florida*

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### Teaching Jan 2020 – Present

#### Instructor - College of Public Health, University of South Florida

PHC 4069 – Biostatistics for Society	Jan 2020- Present
PHC 4030 – Introduction to Epidemiology	Jan 2022- Fall 2024
PHC 3302 - Introduction to Environmental and Occupational Health	Summer 2023, Summer 2024

#### Teaching assistant

*College of Public Health, University of South Florida*

PHC 6051 – Biostatistics II	Spr 2023- Present
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**Journal Reviewer***Journal of Child Abuse & Neglect***Publications**

1. **Cen, W.**, Chen, H., Marhefka-Day, S., Wang, W., Huang, Y., Valente, M. The pilot trial paradox: Why full-scale trials show smaller effects. (first draft).
2. **Cen, W.**, Medri, J., Chen, H. An analysis of 7,800 HIV/AIDS clinical trials from ClinicalTrials.gov (first draft).
3. **Cen, W.**, Sahay, S.S., & Chen, H. 57.9% of NIH-funded completed clinical trials do not report results. *The Lancet Regional Health – Americas* (under review).
4. Gu, C., Rose, D., Glaser, A., Chen, H., **Cen, W.**, Lucin, H., Vargas, D., Hairston, M., Hilker, N., Bozeman, A., Remo-Platt, E., B, W.S., Mohanty, B., & Prida, X. Dementia screening in atrial fibrillation clinic: Cerebral microbleed early detection for ischemic-hemorrhagic stroke risk-benefit analysis. *The American Journal of Medicine* (under review).
5. Chen, H., Pang, J., Zhao, Y., Cao, B., Valente, M.J., **Cen, W.**, & Valkanova, E. (2025). Investigating started sample size, completed sample size and drop-out rate in 10,252 phase III clinical trials: Insights from ClinicalTrials.gov. *British Journal of Clinical Pharmacology* (in press).
6. Renati, S., Raju, S., Makarova, A., Hairston, M., Beba Abadal, K., Bozeman, A., Chen, H., **Cen, W.**, Rose, D.Z., & Burgin, W.S. (2023). Impact of post-stroke post-traumatic stress disorder. *The Neurohospitalist*, 19418744251315201.
7. Chen, H., Zhao, Y., Cao, B., Petersen, D.J., Valente, M.J., & **Cen, W.** (2023). Breaking the silence of sharing data in medical research. *Plos one*, 19(5), e0301917.
8. Lu, Y., **Cen, W.**, Wang, W., Huang, Y., & Chen, H. (2023). How big is a big hazard ratio in clinical trials. *International Journal of Clinical Trials*, 10, 195-200.
9. Renati, S., Hairston, M., **Cen, W.**, Chen, H., Bozeman, A., & Burgin, W.S. (2023). Lower omega-3 levels were found in post stroke post traumatic stress disorder (P3-5.012). *Neurology*, 100(17\_supplement\_2), 4382.
10. Renati, S., Hilker, N., Hairston, M., **Cen, W.**, Chen, H., & Bozeman, A. (2023). Abstract WP61: Impact of post-stroke post traumatic stress disorder on quality of life. *Stroke*, 54(Suppl\_1), AWP61-AWP61.
11. Anthony, J.L., Chen, Y.J., Williams, J.M., **Cen, W.**, & Erazo, N.A. (2023). US children's understanding of the English alphabet: Its acquisition, conceptualization, and measurement. *Journal of educational psychology*, 113(6), 1073.
12. Kurji, N., Erskine, J., **Cen, W.**, & DeBate, R. (2016). Improving physical activity frequency and internal assets among 3rd-5th grade girls: An exploratory study of a sport-based positive youth development program. *APHA 2016 Annual Meeting & Expo* (Oct. 29-Nov. 2, 2016).
13. **Cen, W.**, Kurji, N., Erskine, J., & DeBate, R. (2016). Changes in developmental assets among non-white 3rd-5th grade girls participating in a girl-focused sport-based positive youth development program. *APHA 2016 Annual Meeting & Expo* (Oct. 29-Nov. 2, 2016).