##### CURRICULUM VITAE

###### Personal Information

Name: Henian Chen

Citizenship: United States

E-mail: [hchen1@usf.edu](mailto:hchen1@usf.edu)

Education

1985 B.S. Xiangya School of Medicine

1991 M.S. College of Public Health, Sun Yat-Sen University, Biostatistics

1994 Ph.D. College of Public Health, Sun Yat-Sen University, Biostatistics

Employment History

1994 – 1998 Associate Professor, Founding Chair of Department of Biostatistics,

Southern Medical University, China

1999 - 2002 Post-doc, Columbia University / New York State Psychiatric Institute

2002 - 2005 Adjunct Assistant Professor, Department of Epidemiology,

Mailman School of Public Health, Columbia University

2006 - 2010 Assistant Professor, Department of Psychiatry, College of Physicians and Surgeons, Columbia University

2002 - 2010 Senior Biostatistician and Research Scientist, Department of Biostatistics,

New York State Psychiatric Institute

2010 - 2011 Senior Biostatistician and Associate Professor, School of Medicine, Stony Brook University

2011 – 2016 Associate Professor of Biostatistics, Department of Epidemiology & Biostatistics, College of Public Health, University of South Florida (USF)

2011 – 2014 Director, Biostatistics Core at CTSI, College of Medicine, USF

2017 – Director, Biostatistics PhD Program, College of Public Health, USF

2017 – Full Professor of Biostatistics (with tenure), College of Public Health, USF

2018 – Director, Study Design & Data Analysis core (SDDA) core, College of Public Health, USF

2025 – Interim Chair, Department of Biostatistics and Data Science, College of Public Health, USF

## **Research Interests**

Clinical trial design and data analysis; Longitudinal data analyses and causal inference; Data privacy, synthetic data, and data sharing.

Teaching at USF

Instructor, Design and Conduct of Clinical Trials (PHC 6020)

Instructor, Fundamentals of Clinical Trials (PHC 6021)

Instructor, Multilevel Data Modeling and Analysis (PHC 6097)

Instructor, Biostatistics I (PHC 6050)

Instructor, Biostatistics II (PHC 6051)

Instructor, Bio Inference II (PHC 7508)

Instructor, Biostatistical Case Studies and Collaboration II (PHC 6061)

Co-Instructor, Survival Data Analysis (PHC 6055)

Co-Instructor, Biostatistical Case Studies and Collaboration I (PHC 6060)

Co-Instructor, Epidemiology Methods II (PHC 6011)

Co-Instructor, Epidemiology Methods III (PHC 6016)

Co-Instructor, Population Assessment (PHC 6934)

Mentoring at USF

PhD students: Joseph Ficek (Senior Biostatistician at GlaxoSmithKline), Yuanyuan Lu (Senior Biostatistician at Bristol Myers Squibb), Ying Ma (Senior Biostatistician at Edwards Lifesciences), Danni Liu, Weiliang Cen, Yucheng Zhao, Jhonatan Jorge Medri Cobos, Jinyong Pang (co-major), Yayi Zhao (co-major).

Dissertation committees for doctoral students: Xiaosun Lu, Ren Chen, Dongyuan Xing, Hanze Zhang,

Lan Xu, Markku Malmi, Seidu Inusah, Rema Ramakrishnan, Yingwei Yang

Malinee Neelamegam, Ngozichukwuka Celestina Agu, Linh Duong, Nathan Cohen

Adriana Campos, Zailing Xing, Ryan Bailey.

Master students: Andrew Oustimov, Julia Fernandez, Maldonado Lizmarie, Jiannong Li, Lu Yang,

Johanna Camargo, Joshua Jorgensen, Junmin Zhou, Olga Antsygina, Mingze Zhu

Sarah Mostafa, Brad Christian Hainline, Cameron Hainline, Fahad Mukhtar

Jamie Paola, Nainy Jain, Spencer Fisher, Pratik Patel, Victoria Swaidan,

Pamon Pineda, Adrian Gonzalez Lozano, Perich Brad, Di Kang, Kirk Mancinik,

Pashmi Pathak, Vidhi Patel, Saresa Thomas Ford, Andrew Gibson, Mohit Sharma

Syeda Mahrukh Hussnain Naqvi, Shivani Desai, Erin Craig.

**Funded Grants**

1. Co-Applicant and Lead Biostatistician. Wellcome Trust: Understanding how Genocide-Associated Lived Experience Impacts Post-Traumatic Stress Disorder in Rwanda. 2025-2030.
2. Co-Investigator and Lead Biostatistician. R01 CA243800: The Positively Quit Trial: Addressing Disproportionate Smoking Rates among People Living with HIV. National Cancer Institute. 2019-2025.
3. Co-Investigator and Lead Biostatistician. R34HL145442: Feasibility of mHealth Technology for Improving Self-Management and Adherence Among Asthmatic Adolescents. 2020 – 2023.
4. Senior Biostatistician, Study of Donor Human Milk Usage in Florida Neonatal Intensive Care Units. Study conducted for the Agency for Florida Health Care Administration (2021-2022).
5. Co-Investigator and Lead Biostatistician. Anti-tobacco message testing. Florida Dept of Health (B6D4CC). 2020–2021.
6. Co-Investigator and Lead Biostatistician. 8JK09: SHIP-1: A Potential New Molecular Target for the Treatment of Pancreatic Cancer. Florida Department of Health, 2018-2021.
7. Co-Investigator and Lead Biostatistician. R34MH111556: ACCESS: Achieving Competitive Customized Employment through Specialized Services. National Institute of Mental Health, 2017 – 2020.
8. Co-Investigator and Lead Biostatistician. R01MH107522: Stepped Care for Children after Trauma: Optimizing Treatment. National Institute of Mental Health, 2015 – 2021
9. Co-Investigator and Lead Biostatistician. NICHD 1 U01 HD087213-01: Placental Microvasculature, Environmental Influences and Fetal Growth Restriction. 2015-2020
10. Senior Biostatistician, Federal Emergency Management Agency (FEMA). EMW-2013-FP-00723 (Clinical Trial). “Comparative Effectiveness of Worksite Exercise Interventions for Low Back Injury Prevention in Firefighters”. 2014 – 2018.
11. Biostatistician, National Institute of Cancer (R21CA179668), “The Role of SHIP-1 in the Modulation of Immunoregulatory Cells in Pancreatic Cancer”. 2014-2016.
12. Principal Investigator, USF Proposal Enhancement Grant (No. 0090681) “Longitudinal Relationship between Well-Being and Life Goals and Associations among Happiness and Genes.” 2012-2014.
13. Senior Biostatistician, “Reduction of Risk for Low Back Injury in Theater of Operations (clinical trial)” (DOD 10193004).US Department of Defense, 2013-2014.
14. Collaborator from COPH, USF Women’s Health Collaborative Seed Grant. “Exploratory Study Examining Variables Related to the Outcomes within an Interdisciplinary Tertiary Eating Disorder Program”. 2013-2014.
15. Co-Investigator, National Institute of Mental Health (R01-MH085150), “Using Multiple Data Sets to Examine Youth Psychiatric Diagnosis”. 2009-2013.
16. Co-Investigator, National Institute of Mental Health (R01-MH086236),“Evaluating the Impact of Clinical Alerts Generated from Medicaid Claims Data”.2009-2013.
17. Co-Investigator, National Institute of Mental Health (R01-MH082773), “Gambling Addiction: Treatment Mediators and Moderators”. 2009-2013.
18. Co-Investigator, National Institute of Mental Health (R01-CA133050),“Interpersonal Therapy for

Depression in Breast Cancer”. 2009-2013.

1. Co-Investigator, National Institute of Mental Health (R01-MH076051), “Improving the Effectiveness of Treatment for Depression in Hispanics”. 2008-2012.
2. Co-Investigator, National Institute on Drug Abuse (R01-DA023973), “Substance Use Comorbidity Care: Evidence-Based Stepped Strategies for Depression”. 2009-2011.
3. Co-Investigator, National Institute of Mental Health (R01-MH60911), “Personality Disorder Over 20 Years: Risk, Course, & Impact”. 2005-2011.
4. Senior Biostatistician, National Institute of Drug Abuse (R01-DA016977), “Multi-Site Longitudinal Analysis of Psychiatric Risk of Substance Abuse Disorders”. 2003-2006.
5. Co-Investigator, National Institute of Child Health and Human Development (R01-HD40685), “Change in Women’s Roles and Well-Being: Age-Cohort Effects”. 2001-2006.
6. Co-Investigator, National Institute of Mental Health (R01-MH-60911), “Personality Disorder Over 20 Years: Risk, Course, & Impact”. 2000-2004.
7. Senior Biostatistician, National Institute of Mental Health (R01-MH-54161), “Accounting for Change in Psychopathology – Age 17 to 25”. 1999-2002.
8. Principal Investigator, National Natural Science Foundation of China (No. 39670664), “Methodological Study on Measurement of Health”. 1997-1999.
9. Principal Investigator, Guangdong Medical Research Foundation, “Study on Multi-States Healthy Life Expectancy”. 1996-1999.
10. Principal Investigator, Medical Research Foundation of the Chinese People’s Liberation Army

(No. 96M059), “Measurement of Quality of Life for Armyman”. 1996-1998.

1. Principal Investigator, National Natural Science Foundation of China (No. 39270633), “Methodological Study on Assessment of Health-Related Quality of Life”. 1993-1995.

Publications (\* Corresponding Author)

1. **Chen, H\***., Pang, J., Zhao, Y., Cao, B., Valente, M., Cen, W. 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).
2. Renati, S., Raju, S., Makarova, A., Hairston, M., Beba Abadal, K., Bozeman, A., **Chen, H**., Cen, W., Rose, D., Burgin, W. Impact of post-stroke post-traumatic stress disorder. *The Neurohospitalist* (in press).
3. Lu, Y., **Chen, H\***., Wang, W., Huang, Y., Cheng, F., Daley, E. Adjustment of selection bias for clinical trials: A simulation study. *Communications in Statistics- Simulation and Computation* (in press).
4. Xing, Z., Kirby, R., Chen, H., Cain, M., Alman, A. Parity, age at childbirth, and later-life maternal cardiovascular disease in postmenopausal women of the women’s health initiative study. O&G Open, 2025; 2(1): e063.
5. Salloum, A., Lu, Y., Echiverri-Cohen, A., Metts, A., Salomon, K., **Chen, H**., Storch, E. The Roles of Therapeutic Alliance and Negative Cognitions in Parent-Led Treatment versus Standard Care Therapy for Posttraumatic Stress. *Child & Youth Care Forum*, 2024;53(4):801-823.
6. **Chen, H**\*., Zhao, Y., Cao, B., Petersen, D., Valente, M., Cen, W. Breaking the silence of sharing data in medical research. *PloS one*, 2024;19(5): e0301917.
7. Xing, Z., **Chen, H**., Alman, A. Discriminating Insulin Resistance in Middle-aged Non-diabetic Women Using Machine Learning Approaches. *AIMS Public Health*, 2024; 11(2): 667–687.
8. **Chen, H**\*., Pang, J., Zhao, Y., Giddens, S., Ficek, J., Valente, M., Cao, B., Daley, E. A data-driven approach to choosing privacy parameter for clinical trial data sharing under differential privacy. *Journal of the American Medical Informatics Association.* 2024; 31(5): 1135-1147.
9. Thayagabalu, S., Cacho, N., Smulian, J., Sullivan, S., Bourgeois, M., **Chen, H**., Weerasuriya, W., Louis-Jacques, A., Lemas, D. Systematic review of contaminants in donor human milk. *Maternal and Child Nutrition*. 2024;20(2):e13627.
10. Salloum, A., Lu, Y., Ali, O., **Chen, H**., Saldmon, K., Cohen, A., Scneeringa, MS., Quast, T., Storch, E. Exploring treatment response predictors of a parent-led therapist-assisted treatment within a stepped care intervention for childhood trauma. *Research on Social Work Practice*, 2024, 34(1):3-16.
11. Cohen, N., Defina, S., Rifas-Shiman, S., Faleschini, S., Kirby, R., **Chen, H**., Wilson, R., Fryer, K., Marroun, H., Cecil, C., Hivert, M., Oken, E., Tiemeier, H., Alman, A. Associations of Prenatal Maternal Depressive Symptoms with Cord Blood Glucocorticoids and Child Hair Cortisol Levels in the Project Viva and the Generation R Cohorts: A Prospective Cohort Study. *BMC Pediatrics*. 2023;23:540.
12. Ficek, J., **Chen, H**., Lu, Y., Huang, Y., Mayer, J. Assessing the impacts of cluster effects and covariate imbalance in cluster randomized equivalence trials. *Statistics in Biopharmaceutical Research*. 2023; 15(1):400-407.
13. Lu, Y., Cen, W., Wang, W., Huang, Y, **Chen, H\***. How big is a big hazard ratio in clinical trials? *International Journal of Clinical Trials*, 2023; 10(3):195-200.
14. Cohen, N., Faleschini, S., Rifas-Shiman, S., Bouchard, L., Doyon, M., Simard, O., Arguin, M., Fink, G., Alman, A., Kirby, R., **Chen, H.,** Wilson, R., Fryer, K., Perron, P., Oken, E., Hivert, M. Associations of maternal glucose markers in pregnancy with cord blood glucocorticoids and child hair cortisol levels. *Journal of Developmental Origins of Health and Disease*, 2023; 14(1):88-95.
15. Yang, Y., Liller, K., Salinas-Miranda, A., **Chen, H.,** Tyson, DM., Coulter, M. Seeing all these shootings at school, this makes me feel unsafe": A mixed methods study to explore the influence of social environments on adolescents' perceived safety. *Crime Prevention & Community Safety*, 2023;25(1):94-111.
16. Parvanta, C., Hammond, RW,, He, W., Zemen, R., Boddupalli, S., Walker, K., **Chen, H.** Face Value: Remote facial expression analysis adds predictive power to perceived effectiveness for selecting anti-tobacco PSAs. *Journal of Health Communication*, 2022; 27:281-291.
17. Pathak, R., Kang, D., Lu, Y., Mansuri, F., Kasen, S., Deng, Y., **Chen, H\***. Should we abandon annual physical examination? -- A meta-analysis of annual physical examination and mortality from observational studies. *Preventive Medicine*, 2022; 161:107130.
18. Ramakrishnan, R., Stuart, A., Salemi J., **Chen, H**., O’Rourke K., Kirby, R. Maternal exposure to ambient ozone and congenital diaphragmatic hernia: A population-based study from Florida, 1998–2012. *Atmospheric Environment*, 2022; 289:119290.
19. Yang, Y., Liller, K., Coulter, M., Salinas-Miranda, A., Martinez Tyson, D., **Chen, H.** How community and individual risk factors mutually impact youth’s perceived safety: A syndemic analysis using structural equation modeling. *Journal of Interpersonal Violence*, 2022; 37:19-20.
20. **Chen H**. A commentary on: Should we abandon annual physical examination? - A meta-analysis of annual physical examination and all-cause mortality in adults based on observational studies. *PracticeUpdate website*. July 21, 2022
21. Salloum, A., Lu, Y., **Chen, H.,** Quast, T., Cohen, J., Scheerinqa, M., Saldmon, K., Storch, E. Stepped care versus standard care for children after trauma: A randomized non-inferiority clinical trial. *Journal of the American Academy of Child and Adolescent Psychiatry*, 2022; 61(8):1010-1022.
22. Salloum, A., Lu, Y., **Chen, H.,** Saldmon, K., Scheeringa, M, Cohen, J., Swaidan, V., Storch, E. Child and parent secondary outcomes in stepped care versus standard care treatment for childhood trauma. *Journal of Affective Disorder*, 2022;307:87-96.
23. Odibo, A., Kayisli,U., Lu, Y., Kayisli, O., Schatz,F., Odibo, L., **Chen, H**., Bronsteen,R., Lockwood, C. Longitudinal assessment of spiral artery and intravillous arteriole blood flow

and adverse pregnancy outcomes. *Ultrasound in Obstetrics and Gynecology*, 2022;59(3): 350-357.

1. Odibo, A., Kayisli,U., Lu, Y., Kayisli, O., Schatz,F., Odibo, L., **Chen, H**., Bronsteen,R., Lockwood, C. Longitudinal study of spiral artery and intravillous blood flow and adverse pregnancy outcomes. *American Journal of Obstetrics & Gynecology*, 2021; 224(2): S45-S46.
2. Xu, L., Huang, Y., **Chen, H**., Mbah, A., Cheng, F. Joint modeling analysis of multivariate skewed-longitudinal and time-to-event data with application to primary biliary cirrhosis study. *Journal of Medical Statistics and Informatics*. 2021;9:2.
3. Ficek, J., Wang, W., **Chen, H**., Dagne, G., Daley, E. Applications of differential privacy in health research: A scoping review. *Journal of the American Medical Informatics Association, 2021;28(10), 2269-2276.*
4. Neelamegam, M., Zgibor, J., **Chen, H**., Orourke, K., Bakour, C., Rajaram, C. Trends in anticholinergic and opioid dispensing in older adults from 2004 to 2015: Results from the Personality and Total Health (PATH) Through Life Study. *Australasian Journal on Ageing,* 2021;4(2): e173-e177.
5. Neelamegam, M., Zgibor, J., **Chen, H**., Orourke, K., Bakour, C., Rajaram, C. The Effect of Opioids on the Cognitive Function of Older Adults. Results from the Personality and Total Health (PATH) Through Life Study. *Age and Aging*, 2021;50(5):1699-1708.
6. Loux, T., Mansuri F., Brooks, S., Slye, N., Lewis, B., Lu, Y., **Chen, H.,** Kip, K. Factors associated with pediatric drowning admissions and outcomes at a trauma center, 2010-2017. *The American Journal of Emergency Medicine, 2021,39:86-91.*
7. Marhefka, S., Lockhart, E., **Chen, H**., Meng, H., Reina Ortiz, M., Powell, B., Shuter, J. A tailored telehealth group tobacco cessation treatment program for people with HIV: Study protocol for a randomized controlled trial. *Contemporary Clinical Trials*, 2021; 11(110): Article 106475.
8. Ehab,J., Murray, K., Beltagy, A.,Hilker, C., Slye, N., **Chen, H**., Rose, D., Burgin, W., Renati, S. In-hospital strokes demonstrate improved outcomes with mechanical thrombectomy. *Journal* of *Vascular and Interventional Neurology*, 2021; 12(1):10-14.
9. Ficek, J., Wang, W., **Chen, H**., Dagne, G., Daley, E. A survey of differentially private regression for clinical and epidemiological research. *International Statistical Review, 2021;89(1):132-147.*
10. Mayer, J., Lane, C., Brady, O., **Chen, H**., Lu, Y., Johnson, B., Dagenais, S. Comparison of supervised and telehealth delivery of worksite exercise for prevention of low back pain in firefighters: a cluster randomized trial. *Journal of Occupational and Environmental Medicine, 2020;62(10):e586-592*.
11. Bakour, C., Schwartz, S., Wang, W., Sappenfield, W., Couluris, M., **Chen, H**., O'Rourke, K. Sleep duration patterns from adolescence to young adulthood and the risk of asthma. *Annals of Epidemiology. 2020;49:20-26.*
12. Neelamegam, M., Zgibor, J., **Chen, H**., Orourke, K., Bakour, C., Rajaram, C. The effect of cumulative anticholinergic use on the cognitive function of older adults: Results from the personality and total health (PATH) through life study. *Journal of Gerontology: Medical Sciences, 2020;75:1706-1714.*
13. **Chen, H.,\*** Lu, Y., Slye, N. Testing for baseline differences in clinical trials. *International Journal of Clinical Trials*, 2020,7(2):150-153.
14. Mansuri, F., Loux, T., Brooks, S., Slye, N., Lu, Y., Lewis, B., **Chen, H.,** Kip, K. Temporal trends in patient characteristics, injury mechanisms and outcomes in pediatric trauma admissions between 2010 and 2017. *The American Journal of Surgery, 2020;220(2):468-475.*
15. Kasen, S., **Chen, H**. Social context and change in suicide ideation in a community sample of youths. *Social Psychiatry and Psychiatric Epidemiology*, 2020;35:319-327.
16. Ramakrishnan, R., Stuart, A., Salemi J., **Chen, H**., O’Rourke K., Kirby, R. Maternal exposure to ambient cadmium levels, maternal smoking during pregnancy, and congenital diaphragmatic hernia. *Birth Defects Research*, 2019;111:1399-1407.
17. Lane, C., Hardwick, D., Janus, T., **Chen, H**., Lu, Y., Mayer, J. Comparison of the firefighter candidate physical ability test to weight lifting exercises using electromyography. *Work,* 2019; 62:459-467.
18. Zhang, H., Huang, Y., Wang, W., **Chen, H**., Langland-Orban, B. Bayesian quantile regression-based partially linear mixed-effects joint models for longitudinal data with multiple features. *Statistical Methods in Medical Research,* 2019:28:569-588.
19. Zhang, Y., **Chen, H**., Zhang, N. Bayesian inference for nonresponse two-phase sampling. *Statistica Sinica,* 2018;28:2167-2187.
20. Ramakrishnan, R., Salemi, J., Stuart, A., **Chen, H**., O’Rourke K., Obican S., Kirby, R. Trends, correlates, and survival of infants with congential diaphragmatic hernia and its subtypes. *Birth Defects Research,* 2018;110:1107-1117.
21. Wang, W., Ma, Y., Huang, Y., **Chen, H.**\* Generalizability analysis for clinical trials: A simulation study. *Statistics in Medicine*. 2017; 66(10):1523-1531.
22. Xing, D., Huang, Y., **Chen**, **H**., Zhu, Y., Dagne, G., Baldwin, J. Bayesian inference on two-part mixed-effects models using skew distributions, with application to longitudinal semi-continuous alcohol data. *Statistical Methods in Medical Research.* *2017;26(4):1838-1853.*
23. Bakour, C., Schwartz, S., O'Rourke, K., Wang, W., Sappenfield, W., Couluris, M., **Chen, H**. Sleep Duration Trajectories and Systemic Inflammation in Young Adults: Results from the National Longitudinal Study of Adolescent to Adult Health. *Sleep, 2017; 40(11):zsx156.*
24. Beebe, B., Messinger, D., Bahrick, L., Margolis, A., Buck, K., **Chen, H**. A systems view of mother-infant face-to-face communication. *Developmental Psychology*, 2016; 52:556-571.
25. Zhang, N., **Chen**, **H**., Elliott. M. Nonrespondent subsample multiple imputation in two-phase random sampling for nonresponse. *Journal of Official Statistics,* 2016; 32(3):769-785.
26. **Chen, H.,**\* Zhang, N., Lu, X. Is early smoking a causal risk factor for later cognitive impairment? A 20-year prospective study with time-varying propensity score matching based on random intercept and slope. *Communications in Statistics*, 2016; 45:2733-2743.
27. Mayer, J., Childs, J., Neilson, B., **Chen, H**., Koppenhaver, S., Quillen, W. Effect of lumbar progressive resistance exercise on lumbar muscular strength and core muscular endurance in soldiers. *Military Medicine*, 2016; 181:e1615-1622.
28. Xing, D., Huang, Y., **Chen, H**., Zhu, Y., Dagne, G., Baldwin, J. Bayesian inference on bivariate semi-continuous mixed-effects models with application to longitudinal substance data. *Journal of Advanced Statistics, 2016; 1(3):122-135.*
29. Ching, J., Shah, J., Doran, C., **Chen, H.**, Payne, W., Smith., D. The evaluation of physical exam findings in patients assessed for suspected burn inhalation injury. *Journal of Burn Care and Research.* 2015; 36: 197-202.
30. Sprenker, C., Patel, J., Camporesi, E., Vasan, R., Loveren, H., **Chen, H.**, Agazzi, S. Medical and neurological complications of the current management strategy of angiographically negative non-traumatic subarachnoid hemorrhage patients. *Journal of Critical Care*, 2015; 30: 216 e7-e11.
31. Ehrensaft, M., Knous-Westfall, H., Cohen, P., **Chen, H**. How does child abuse history influence parenting of the next generation? *Psychology of Violence*, 2015; 5: 16-25.
32. Ching, Y., Karlnoski, R., **Chen**, H., Camporesi, E., Shah, V., Padhya, T., Mangar, D. Lingual traction to facilitate fiber-optic intubation of difficult airways: a single-anesthesiologist randomized trial. *Journal of Anesthesia*, 2015; 29:263-268.
33. **Chen, H.,**\* Huang, Y., Zhang, N. Joint modeling of a linear mixed effects model for self-esteem from mean ages 13 to 22 and a generalized linear model for anxiety disorder at mean age 33. *Journal of Medical Statistics and Informatics*, 2015; 3:1.
34. Huang, Y., Chen, R., Dagne, G., Zhu, Y., **Chen, H**. Bayesian bivariate linear mixed-effects models with skew-normal/independent distributions, with application to AIDS studies. *Journal of Biopharmaceutical Statistics*. 2015; 25: 373–396
35. Huang, Y., Yan, C., Xing, D., Zhang, N., **Chen, H**. Jointly modeling event time and skewed-longitudinal data with missing response and mismeasured covariate for AIDS studies. *Journal of Biopharmaceutical Statistics*, 2015; 25:670-694.
36. Chen, L., Huang, Y., Kasen, S., Skodol, A., Cohen, P., **Chen, H**\*. Impact of adolescent personality disorders on obesity 17 years later. *Psychosomatic Medicine*, 2015; 77:921-926.
37. Marhefka, S., Buhi, E., Baldwin, J., **Chen, H.**, Johnson, A., Lynn, V., Glueckauf, R. Effectiveness of healthy relationships video-group - A videoconferencing group intervention for women living with HIV: Preliminary findings from a randomized controlled trial. *Telemedicine and e-Health*, 2014; 20:128-134.
38. **Chen, H.,\*** Nembhard, W., Stockwell, H. Sex-specific effects of fetal exposure to the 1959-1961 Chinese famine on risk of adult hypertension. *Maternal and Child Health Journal*. 2014; 18:527-533.
39. Zhang, N., **Chen, H.,** Zou, Y. A joint model of binary and longitudinal data with non-ignorable missingness, with application to marital stress and late-life major depression in women. *Journal of Applied Statistics*, 2014; 41:1028-1039.
40. Zou, J., Huang, Y., Maldonado, L., Kasen, S., Cohen, P., **Chen, H.\*** The efficacy of religious service attendance in reducing depressive symptoms. *Social Psychiatry and Psychiatric Epidemiology,* 2014; 49:911-918.
41. Mayer, J., Childs, J., Libous, J., **Chen, H.**, Quillen, W. Effect of lumbar extensor progressive resistance exercise versus core stability exercise on lumbar extension muscular strength and core muscular endurance in soldiers. *The Spine Journal*, 2014; 14: S47-S48.
42. **Chen, H.,\*** Pine, D., Ernst, M., Gorodetsky, E., Kasen, S., Gordon, K., Goldman, D., Cohen, P. The MAOA gene predicts happiness in women. *Progress in Neuro-Psychopharmacology & Biological Psychiatry*, 2013; 40:122-125.
43. **Chen, H.,\*** Nembhard, W., Stockwell, H. Within-person versus traditional study designs: How to evaluate study designs? [Letter]. *Journal of Clinical Epidemiology*, 2013; 66: 350-351.
44. **Chen, H.,\*** Zhang, N., Lu, X., Chen, S. Caution regarding the choice of standard deviations to guide sample size calculations in clinical trials. *Clinical Trials*, 2013; 10:522-529.
45. Maldonado, L., Huang, Y., Chen, R., Kasen, S., Cohen, P., **Chen, H\***. Impact of early adolescent anxiety disorders on self-esteem development from adolescence to young adulthood. *Journal of Adolescent Health*, 2013; 53:287-292.
46. **Chen, H.,\*** Zhang, N., Lu, X., Chen, S. An alternative property for evaluating sample size for normal data using preliminary data. [Letter]. *Clinical Trials*, 2013; 10:992-993.
47. Beebe, B., Lachmann, F., Markese, S., Buck, K., Bahrick, L., **Chen, H.**, Cohen, P., Andrews, H., Feldstein, S., Jaffe, J. On the origins of disorganized attachment and internal working models: An empirical microanalysis of 4-month mother-infant interaction. *Psychoanalytic Dialogues*, 2012; 22:352-374.
48. Beebe, B., Lachmann, F., Jaffe, J., Markese, S., Buck, K., **Chen, H.**, Cohen, P., Feldstein, S., Andrews, H. Maternal postpartum depressive symptoms and 4-month mother-infant interaction. *Psychoanalytic Psychology*, 2012; 29:383–407.
49. Donahue, S., Manuel, J., Herman, D., Fraser, L., **Chen, H**., Essock, S. Development and use of a transition readiness scale to help manage ACT team capacity. *Psychiatric Services*, 2012; 63:223-229.
50. Anglin, D., Corcoran, C., Brown, A., **Chen, H.**, Brook, J., Cohen, P. Early cannabis use and schizotypal personality disorder symptoms from adolescence to middle adulthood. *Schizophrenia Research*, 2012; 137:45-49.
51. Cohen, P., Crawford, T., **Chen, H.**, Kasen, S., Gordon, K. Predictors, Correlates, and Consequences of Trajectories of Antisocial Personality Disorder Symptoms from Early Adolescence to Mid-30s. In C. S. Widom (Ed.), *Trauma, Psychopathology, and Violence: Causes, Consequences, or Correlates?* (pp 109-129). American Psychopathological Association. Oxford University Press, Inc. 2012.
52. Berger, J., Hida, S., **Chen, H.,** Friedel, D., Grendell, J. Surrogate consent for percutaneous endoscopic gastrostomy. *Archives of Internal Medicine*. 2011; 171: 178-179.
53. Aloia, J., Yeh, J., **Chen, H**. Serum vitamin D and calcium absorption. *American Journal of Clinical Nutrition*, 2011; 93:221.
54. Beebe, B., Steele, M., Jaffe, J., Buck, K., **Chen, H.**, Cohen, P., Markese, S., Andrews, H., Margolis, A., Feldstein, S. Maternal anxiety symptoms and mother-infant self- and interactive contingency. *Infant Mental Health Journal*, 2011; 32:174-206.
55. Kasen, S., Cohen, P., **Chen, H**. Developmental course of impulsivity and perceived capability from age 10 to age 25 as related to suicide attempt in a community cohort. *Suicide and Life Threatening Behavior*, 2011; 41:180-192.
56. Guan, B., Deng, Y., Cohen, P., **Chen, H\***. Relative impact of adult axis I mental disorders on quality of life: Findings of a community-based study. *Journal of Affective Disorder*, 2011; 131:293-298.
57. Kasen, S., Johnson, J., **Chen, H.**, Crawford, T., Cohen, P. School climate and change in personality disorder symptom trajectories related to bullying. In D. Espelage & S. Swearer (Eds.), *Bullying in North American Schools* (pp 161-181). New York: Taylor & Francis Group. 2011.
58. Blanco, C., Heimberg, R., Schneier, F., Fresco, D., **Chen, H**., Turk, C., Vermes, D., Erwin, B., Schmidt, A., Juster, H., Campeas, R., & Liebowitz, M. A placebo-controlled trial of phenelzine, cognitive behavioral group therapy and their combination for social anxiety disorder.

*Archives of General Psychiatry*, 2010, 67:287-295.

1. Beebe, B., Jaffe, J., Markese, S., Buck, K., **Chen**,**H**., Cohen, P., Bahrick, L., Andrew, H., & Feldstein, S. The origins of 12-month attachment: A microanalysis of 4-month mother-infant interaction. *Attachment and Human Development*, 2010;12:3-141.
2. Kasen, S., **Chen**, **H**., Sneed, J., Cohen, P. Earlier stress exposure and subsequent major depression in aging women. *International Journal of Geriatric Psychiatry*, 2010;25:91-99.
3. Lewis-Fernández, R., Gorritz, M., Raggio, G., Peláez, C., **Chen, H.**, & Guarnaccia, P. Association of trauma-related disorders and dissociation with four idioms of distress among Latino psychiatric outpatients. *Culture, Medicine and Psychiatry*, 2010; 34:219-243.
4. Aloia, J., Chen, Din., Yeh, J., & **Chen, H**. Serum vitamin D metabolites and intestinal calcium absorption efficiency in women. *American Journal of Clinical Nutrition*, 2010; 92:835-840.
5. Aloia, J., Chen, D., & **Chen, H**. The 25(OH)D/PTH Threshold in Black Women. *Journal of Clinical Endocrinology & Metabolism*, 2010;95:5069-5073.
6. Maher, M., Huppert, J., **Chen, H.**, Duan, H., Foa, E., Liebowitz, M., Simpson, H. Moderators and predictors of cognitive-behavioral therapy for augmenting pharmacotherapy in obsessive-compulsive disorder. *Psychological Medicine*, 2010; 40:2013-2023.
7. Berlin, I., **Chen, H.**, & Covey, L. Depressive mood, suicide ideation and anxiety in smokers who do and smokers who do not manage to stop smoking after a target quit day. *Addiction*, 2010;105:2209-2216.
8. **Chen, H.,\*** Cohen, P., & Chen, S. How big is a big odds ratio? Interpreting the magnitudes of odds ratios in epidemiological studies. *Communications in Statistics – Simulation and Computation*, 2010; 39: 860-864 (Citations > 2100).
9. Chen, S., & **Chen, H**. Cohen’s f Statistics. *Encyclopedia of Research Design* (pp 185-187). SAGE Publications Inc. 2010.
10. Chen, S., & **Chen, H**. Regression to the Mean. *Encyclopedia of Research Design* (pp 1235-1237). SAGE Publications Inc. 2010.
11. Cohen, P., & **Chen, H\***. How the reflection of linear correlation in odds ratios depends on the cut-off points. *Communications in Statistics – Simulation and Computation*, 2009; 38: 610-620.
12. **Chen, H\***, Cohen, P., Johnson, J., & Kasen, S. Psychiatric disorders during adolescence and relationships with peers from age 17 to age 27. *Social Psychiatry and Psychiatric Epidemiology*, 2009, 44:223-230.
13. **Chen, H\***, Cohen, P., Crawford, T., Kasen, S., Guan, B., & Gorden, K. Impact of early adolescent psychiatric and personality disorder on long-term physical health: a 20-year longitudinal follow-up study. *Psychological Medicine*, 2009; 39:865-874.
14. **Chen, H\***, Kasen, S., & Cohen, P. Life value and mental health: A longitudinal study comparing chronically ill women to women without chronic disease. *Psychology and Health*, 2009; 24:395-405.
15. Crawford, T., Cohen, p., **Chen, H.**, Anglin, D., & Ehrensaft, M. Early maternal separation and the trajectory of borderline personality disorder symptoms. *Development and Psychopathology*, 2009; 21:1013-1030.
16. Kasen, S., Cohen, P., **Chen, H.**, Johnson, J., & Crawford, T. School climate and continuity of adolescent personality disorder symptoms. *The Journal of Child Psychology and Psychiatry*, 2009; 50:1504-1512.
17. Cohen, P., **Chen, H.**, Gordon, K., Johnson, J., Brook, J., & Kasen, S. Socioeconomic background and the developmental course of schizotypal and borderline personality disorder symptoms*. Development and Psychopathology*, 2008; 20:633-650.
18. Anglin, D., Cohen, P., & **Chen, H**. Duration of early maternal separation and prediction of schizotypal symptoms from early adolescence to midlife. *Schizophrenia Research*, 2008;103:143-150.
19. Winograd, G., Cohen, P., & **Chen, H**. Adolescent borderline symptoms in the community: Prognosis for functioning over 20 years. *The Journal of Child Psychology and Psychiatry*, 2008;49:933-941.
20. Beebe, B., Jaffe, J., **Chen, H.**, Buck, K., Cohen, p., Feldstein, S., & Andrews, S. Six-week postpartum depressive symptoms and 4-month mother-infant self- and interactive contingency. *Infant Mental Health Journal*, 2008; 29:442-471.
21. Kasen, S., Cohen, P., **Chen, H.**, & Must, A. Obesity and psychopathology in women: A three decade prospective study. *International Journal of Obesity*, 2008;32: 558-566.
22. Cohen, P., Gordon, k., Kasen, S., & **Chen, H**. Developmental structural change in the maturity of role assumption. In P. Cohen (Ed.), *Applied Data Analytic Techniques for Turning Points Research* (pp 195-214). Mahwah, NJ: Lawrence Erlbaum Associates. 2008.
23. **Chen, H\***, Cohen, P., & Gordon, K. Using an econometric model of change points to locate turning points in individual time series. In P. Cohen (Ed.), *Applied Data Analytic Techniques for Turning Points Research* (pp 183-194). Mahwah, NJ: Lawrence Erlbaum Associates. 2008.
24. Cohen, P., **Chen, H.**, Crawford, t., Brook, J., & Gordon, K. Personality disorders in early adolescence and the development of later substance use disorders in the general population. *Drug and Alcohol Dependence*, 2007;88S; S71-84.
25. Sneed, J., Hamagami, F., McArdle, J., Cohen, P., & **Chen, H**. The dynamic interdependence of developmental domains across emerging adulthood. *Journal of Youth and Adolescence*, 2007;36:351-362.
26. Ehrensaft, M., Cohen, P., **Chen, H.**, & Berenson, K. Developmental transitions in youth behavioral opposition and maternal beliefs in social ecological context. *Journal of Child and Family Studies*, 2007;16:577-588.
27. **Chen, H\***, Cohen, P., & Chen, P. Biased odds ratios from dichotomization of age. *Statistics in Medicine*, 2007; 26:3487-3497.
28. **Chen, H\***, Cohen, P., & Kasen, S. Cohort differences in self-rated health: Evidence from a three decade community-based longitudinal study of women. *American Journal of Epidemiology*, 2007;166:439-446.
29. Beebe, B., Jaffe, J., Buck, K., **Chen, H.**, Cohen, P., Blatt, S., Kaminer, T., Feldstein, S., & Andrews, H. Six-week postpartum maternal self-criticism and dependency and 4-month mother-infant self- and interactive contingencies. *Developmental Psychology*, 2007; 43:1360-1376.
30. Perrin, M., **Chen, H.**, Sandberg, D., Malaspina, D., & Brown, A. Growth trajectory during early life and risk of adult schizophrenia. *British Journal of Psychiatry*, 2007;191:512-520.
31. **Chen, H.,\*** & Cohen, P. Using individual growth model to analyze the changes in quality of life from adolescence to adulthood. *Health and Quality of Life Outcomes*, 2006;4:10.
32. **Chen, H\***, Cohen, P., Kasen, S., Johnson, J., Berenson, K., & Gordon, K. Impact of adolescent mental disorders and physical illnesses on quality of life 17 years later. *Archives of Pediatrics & Adolescent Medicine*, 2006;160:93-99.
33. **Chen, H\***, Cohen, P., Kasen, S., & Johnson, J. Adolescent Axis I and personality disorders predict quality of life during young adulthood. *Journal of Adolescent Health*, 2006;39:14-19.
34. **Chen, H\***, Cohen, P., Crawford, T., Johnson, J., Kasen, S., & Berenson, K. Relative impact of young adult personality disorders on subsequent quality of life: Findings of a community-based longitudinal study. *Journal of Personality Disorders*, 2006;20:510-523.
35. **Chen, H\***, Cohen, P., Kasen, S., Johnson, J., Ehrensaft, M., & Gordon, K. Predicting conflict within romantic relationships during the transition to adulthood. *Personal Relationships*, 2006;13:411-427.
36. Cohen, P., Kasen, S., **Chen, H.**, Gordon, K., Berenson, K., Brook, J., & White, J. Current affairs and the public psyche: American anxiety in the post 9/11 world. *Social Psychiatry and Psychiatric Epidemiology*, 2006;41:251-260.
37. Johnson, J., Cohen, p., **Chen, H.**, Kasen, S., & Brook, J. Parenting behaviors associated with risk for offspring personality disorder during adulthood. *Archives of General Psychiatry*, 2006;63:579-587.
38. Sneed, J., Johnson, J., Gilligan, C., Cohen, P., **Chen, H**, Crawford, T., & Kasen, S. Gender differences in developmental trajectories of family contact and agency in distinct domains of psychosocial functioning during emerging adulthood. *Developmental Psychology*, 2006;42:787-797.
39. Kasen, S., **Chen, H.**, Sneed, J., Crawford, T., & Cohen, P. Social role and birth cohort influences on gender-linked personality traits in women: A 20 year longitudinal analysis. *Journal of Personality and Social Psychology*, 2006;91:944-958.
40. Cohen, P., **Chen, H.**, Kasen, S., Johnson, J., Crawford, T., & Gordon, K. Adolescent Cluster A personality symptoms, role assumption in the transition to adulthood, and resolution or persistence of symptoms. *Development and Psychopathology*, 2005;17:549-568.
41. Kasen, S., Cohen, P., Berenson, K., **Chen, H.,** & Dufur, R. Dual work and family roles and depressive symptoms in two birth cohorts of women. *Social Psychiatry and Psychiatric Epidemiology*, 2005;40:300-307.
42. **Chen, H\***, Cohen, p., Kasen, S., Dufur, R., Smailes, E., & Gordon, K. Construction and validation of a quality of life instrument for young adults. *Quality of Life Research*, 2004;13:747-759.
43. **Chen, H\***, Cohen, P., Johnson, J., Kasen, S., Sneed, J., & Crawford, T. Adolescent personality disorders and conflict with romantic partners during the transition to adulthood. *Journal of Personality Disorders*, 2004;18:507-525.
44. Brown, J., Cohen, P., **Chen, H.**, Smailes, E., & Johnson, J. Sexual trajectories of abused and neglected youth. *The Journal of Developmental and Behavioral Pediatrics*, 2004;25:77-82.
45. Johnson, j., **Chen, H.**, & Cohen, P. Personality disorder traits during adolescence and evolving relationships with family members during the transition to adulthood. *Journal of Consulting and Clinical Psychology*, 2004;72:923-932.
46. Cohen, P., Kasen, S., **Chen, H.**, Hartmark, C., & Gordon, K. Variations in patterns of developmental transitions in the emerging adulthood period. *Developmental Psychology*, 2003;39: 657-669.
47. Ehrensaft, M., Cohen, p., Brown, J, Smailes, E., **Chen, H**, & Johnson, J. Intergenerational transmission of partner violence: A 20-year prospective study. *Journal of Consulting and Clinical Psychology*, 2003; 71:741-753.
48. Kasen, S., Cohen, P., **Chen, H**, & Castille, D. Depression in adult women: age changes and cohort effects. *American Journal of Public Health*, 2003;93:2061-2066.
49. Cohen, P., **Chen, H.**, Hamigami, F., Gordon, K., & McArdle, J. Multilevel analyses for predicting sequence effects of financial and employment problems on the probability of arrest. *Journal of Quantitative Criminology*, 2000;16:223-235.
50. Xu, J., Wang, B., Hu, M., Yang, Y., **Chen, H.**, & Xie, Y. Test-retest reliability of self-rated health. *Chinese Journal of Behavioral Medical Science*, 2000;9: 65-68.
51. Xu, J., Wang, B., Hu, M., Yang, Y., **Chen, H**, & Xie, Y. Validity of self-rated health. *Chinese Journal of Health Statistics*, 2000;17:141-145.
52. Xu, J, Wang, B, Hu, M, Yang, Y., **Chen, H.**, & Xie, Y. Self-rated health for normal Chinese population. *Chinese Journal of Behavioral Medical Science*, 2000;9:87-89.
53. Xu, J., & **Chen, H**. Self-rated health in China. *Chinese Journal of Community Medicine*,

1998;15:105-108.

1. Yu, Q., Li, S., **Chen, H.**, Ye, T., & Ao, J. Quality of life assessment on patients with visual impairment. *Chinese Journal of Ophthalmology*, 1997;33:307-310.
2. Yu, Q., Li, S., Ao, J., & **Chen, H**. Vision change and quality of life in the patients with cataract. *Eye Science*, 1997;13:85-89.
3. **Chen, H.\***, Hu, M., & Fang, J. Discussion about quality of life. *Chinese Journal of Preventive Medicine,* 1996; 30:53.
4. **Chen, H.\***, Hu, M., & Hong, M. Studies on the scale for quality of life for patients with nasopharygeal carcinoma. *Chinese Journal of Preventive Medicine*, 1996; 30:229-230.
5. **Chen, H**\*, Hu, M., & Hong, M. Study on the proxy raters of quality of life. Chinese Journal Preventive Medicine, 1996;30:272.
6. **Chen, H\***, Hong, M., & Xie, F. Study of quality of life and clinical application for nasopharygeal carcinoma patients. *Chinese Journal of Oncology*, 1996;18:391.
7. **Chen, H\***, Hu, M., & Xie, F. Test for the scale of quality of life for nasopharygeal carcinoma. *Journal of Southern Medical University*, 1996; 16:28-30.
8. Yu, Q., Li, S., **Chen, H**, Ye, T., & Ao, J. Development of the scale of quality of life for diseases with visual impairment. *Eye Science*, 1996;12:36-39.
9. **Chen, H\*** & Hu, M. Statistical methods for data with multiple endpoints. *Chinese Journal of Public Health*, 1995;14:61-63.
10. The WHOQOL Group. The World Health Organization quality of life assessment: position from World Health Organization. *Social Science and Medicine*, 1995;41:1403-1409.
11. The WHOQOL Group. Development of the WHOQOL: Rationale and current status. *International Journal of Mental Health*, 1994;23:24-56.
12. **Chen, H\*** & Hu, M. The analysis of risk factors of primary hepatocellular carcinoma with the model of conditional logistic regression. *Chinese Journal of Cancer*, 1994;13:128-130.
13. **Chen, H\***. Quality of life assessment. In Minghuang Hong, (Eds.), *Design, Measurement, and Evaluation in MedicalRresearch*. Zhong Shan University Press. pp76-95. 1994.
14. The WHOQOL Group. The development of the World Health Organization quality of life assessment (the WHOQOL). In Orley J, Kuyken W, (Eds.), *Quality of life assessment: International Perspectives*. Berlin: Springer-Verlag. pp41-57. 1993.
15. **Chen, H\***, Fang, J., & Hu, M. Research on quality of life. *Chinese Journal of Preventive Medicine*, 1993;27:178-180.
16. **Chen, H\*** & Hu, M. The survival analysis of 1618 primary hepatocellular carcinoma cases registered. *Chinese Journal of Health Statistics*, 1993;10:20-22.
17. Fang, J., & **Chen, H**. Use and misuse of logistic regression in medical research (I). *Chinese Journal of Health Statistics*,1993;10:54-57.
18. Fang, J., & **Chen, H**. Use and misuse of logistic regression in medical research (II). *Chinese Journal of Health Statistics*, 1993;10:61-63.
19. **Chen, H\*** & Hu, M. The study on causes of primary hepatocellular carcinoma. *Chinese Journal of Community Medicine*, 1992;9:1-10.
20. **Chen, H.,\*** & Hu, M. The analysis of prognostic factors of primary hepatocellular carcinoma with Cox model. *Chinese Journal of Preventive Medicine*, 1992;26:328-330.

**Biostatistics, Methodology in Clinical Trials (2007-)**

1. Lu, Y., **Chen, H**\*., Wang, W., Huang, Y., Cheng, F., Daley, E. Adjustment of selection bias for clinical trials: A simulation study. *Communications in Statistics- Simulation and Computation* (in press).
2. **Chen, H**\*., Pang, J., Zhao, Y., Cao, B., Valente, M., Cen, W. 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).
3. **Chen, H\***., Pang, J., Zhao, Y., Giddens, S., Ficek, J., Valente, M., Cao, B., Daley, E. A data-driven approach to choosing privacy parameter for clinical trial data sharing under differential privacy. *Journal of the American Medical Informatics Association*. 2024; 31(5): 1135-1147.
4. Lu, Y., Cen, W., Wang, W., Huang, Y, **Chen, H\***. How big is a big hazard ratio in clinical trials? *International Journal of Clinical Trials*, 2023; 10(3):195-200.
5. Ficek, J., **Chen, H**., Lu, Y., Huang, Y., Mayer, J. Assessing the impacts of cluster effects and covariate imbalance in cluster randomized equivalence trials*. Statistics in Biopharmaceutical Research.* 2023; 15(1):400-407.
6. Ficek, J., Wang, W., **Chen, H.**, Dagne, G., Daley, E. Applications of differential privacy in health research: A scoping review. *Journal of the American Medical Informatics Association, 2021;28(10), 2269-2276.*
7. Xu, L., Huang, Y., **Chen, H**., Mbah, A., Cheng, F. Joint modeling analysis of multivariate skewed-longitudinal and time-to-event data with application to primary biliary cirrhosis study*. Journal of Medical Statistics and Informatics. 2021;9:2.*
8. Ficek, J., Wang, W., **Chen, H.,** Dagne, G., Daley, E. A survey of differentially private regression for clinical and epidemiological research. *International Statistical Review, 2021;89(1):132-147.*
9. **Chen, H.,\*** Lu, Y., Slye, N. Testing for baseline differences in clinical trials. *International Journal of Clinical Trials*, 2020,7(2):150-153.
10. Zhang, H., Huang, Y., Wang, W., **Chen, H**., Langland-Orban, B. Bayesian quantile regression-based partially linear mixed-effects joint models for longitudinal data with multiple features. *Statistical Methods in Medical Research,* 2019:28:569-588.
11. Zhang, Y., **Chen, H**., Zhang, N. Bayesian inference for nonresponse two-phase sampling. *Statistica Sinica,* 2018;28:2167-2187*.*
12. Wang, W., Ma, Y., Huang, Y., **Chen, H.\*** Generalizability analysis for clinical trials: A simulation study. *Statistics in Medicine*, 2017;66(10):1523-1531.
13. Xing, D., Huang, Y., **Chen, H**., Zhu, Y., Dagne, G., Baldwin, J. Bayesian inference on two-part mixed-effects models using skew distributions, with application to longitudinal semi-continuous alcohol data. *Statistical Methods in Medical Research, 2017;26(4):1838-1853.*
14. Xing, D., Huang, Y., **Chen, H**., Zhu, Y., Dagne, G., Baldwin, J. Bayesian inference on bivariate semi-continuous mixed-effects models with application to longitudinal substance data. *Journal of Advanced Statistics, 2016; 1(3):122-135.*
15. Zhang, N., **Chen, H**., Elliott. M. Nonrespondent subsample multiple imputation in two-phase random sampling for nonresponse. *Journal of Official Statistics*, 2016; 32(3):769-785.
16. **Chen, H.,\*** Zhang, N., Lu, X. Is early smoking a causal risk factor for later cognitive impairment? A 20-year prospective study with time-varying propensity score matching based on random intercept and slope. *Communications in Statistics*, 2016; 45:2733-2743.
17. Huang, Y., Chen, R., Dagne, G., Zhu, Y., **Chen, H**. Bayesian bivariate linear mixed-effects models with skew-normal/independent distributions, with application to AIDS studies. *Journal of Biopharmaceutical Statistics.* 2015; 25: 373–396
18. Huang, Y., Yan, C., Xing, D., Zhang, N., **Chen, H**. Jointly modeling event time and skewed-longitudinal data with missing response and mismeasured covariate for AIDS studies. *Journal of Biopharmaceutical Statistics,* 2015; 25:670-694.
19. **Chen, H.,\*** Huang, Y., Zhang, N. Joint modeling of a linear mixed effects model for self-esteem from mean ages 13 to 22 and a generalized linear model for anxiety disorder at mean age 33. *Journal of Medical Statistics and Informatics*, 2015; 3:1.
20. Zhang, N., **Chen, H**., Zou, Y. A joint model of binary and longitudinal data with non-ignorable missingness, with application to marital stress and late-life major depression in women. *Journal of Applied Statistics,* 2014; 41:1028-1039.
21. **Chen, H.,\*** Nembhard, W., Stockwell, H. Within-person versus traditional study designs: How to evaluate study designs? [Letter]. *Journal of Clinical Epidemiology*, 2013; 66: 350-351.
22. **Chen, H.,\*** Zhang, N., Lu, X., Chen, S. Caution regarding the choice of standard deviations to guide sample size calculations in clinical trials. *Clinical Trials*, 2013; 10:522-529.
23. **Chen, H.,\*** Zhang, N., Lu, X., Chen, S. An alternative property for evaluating sample size for normal data using preliminary data. [Letter]. *Clinical Trials*, 2013; 10:992-993.
24. **Chen, H\*,** Cohen, P & Chen S. How big is a big odds ratio? Interpreting the magnitudes of odds ratios in epidemiological studies. *Communications in Statistics – Simulation and Computation*, 2010; 39: 860-864. (Citations > 2100).
25. Chen. S., **Chen, H\***. Cohen’s f Statistics. Encyclopedia of Research Design (pp 185-187). SAGE Publications Inc. 2010.
26. Chen, S., **Chen, H\***. Regression to the Mean. Encyclopedia of Research Design (pp 1235-1237). SAGE Publications Inc. 2010.
27. Cohen, P., **Chen, H\*.** How the reflection of linear correlation in odds ratios depends on the cut-off points. *Communications in Statistics – Simulation and Computation*, 2009; 38: 610-620.
28. Cohen, P., Gordon, K., Kasen, S., **Chen, H**. Developmental structural change in the maturity of role assumption. In P. Cohen (Ed.), Applied Data Analytic Techniques for Turning Points Research (pp 195-214). Mahwah, NJ: Lawrence Erlbaum Associates. 2008.
29. **Chen, H\*.,** Cohen, P., Gordon, K. Using an econometric model of change points to locate turning points in individual time series. In P. Cohen (Ed.), Applied Data Analytic Techniques for Turning Points Research (pp 183-194). Mahwah, NJ: Lawrence Erlbaum Associates. 2008.
30. **Chen, H\***., Cohen, P., Chen, S. Biased odds ratios from dichotomization of age. *Statistics in Medicine*, 2007; 26:3487-3497.

**Services**

I provide biostatistical reviews for NIH clinical trial grant applications and serve as an Associate Editor, Senior Editor, Biostatistical Advisor, and Editorial Board Member for several journals. Additionally, I conduct peer reviews for approximately 30 journals.