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EDUCATION

- Ph.D., Statistics, University of Wisconsin-Madison, 2008.
- M.S., Statistics, University of Wisconsin-Madison, 2006.
- M.S., Statistics, National Chengchi University, Taipei, Taiwan, 1999.
- B.A., Business Mathematics, Soochow University, Taipei, Taiwan, 1997.

EMPLOYMENT

- Research Associate Professor** 2017 - present
Department of Biostatistics, University of North Carolina at Chapel Hill
- Research Assistant Professor** 2012 - 2017
Department of Biostatistics, University of North Carolina at Chapel Hill
- Postdoctoral Research Associate** 2009 - 2012
NC TraCS Institute, Home of the UNC-CH Clinical and Translational Science Awards (CTSA),
University of North Carolina at Chapel Hill
- Postdoctoral Research Associate** 2008 - 2009
Dr. HuiChuan Lai's Lab, Department of Nutritional Sciences, University of Wisconsin-Madison
- Research Assistant** 2008
Dr. HuiChuan Lai's Lab, Department of Nutritional Sciences, University of Wisconsin-Madison
- Project Assistant** 2006 - 2007
General Clinical Research Center (GCRC), University of Wisconsin-Madison
- Research Assistant** 2003 - 2004
Institute of Statistical Science, Academia Sinica, Taipei, Taiwan
- Research Assistant** 1997 - 2001
Election Study Center, National Chengchi University, Taipei, Taiwan
- Statistical Consultant** 1997 - 1998
Statistical Extension and Research Center, National Chengchi University, Taipei, Taiwan

PUBLICATIONS (PEER REVIEWED, JOURNAL)

1. Yue JC, Clayton MK, **Lin FC**. A nonparametric estimator of species overlap. *Biometrics* 2001; 57(3): 743-749. PMID: 11550923
2. **Lin FC**, Fine JP. Pseudo martingale estimating equations for modulated renewal process models. *J. R. Statist. Soc. Ser. B* 2009; 71(1): 3-23.

3. **Lin FC**. A random effects epidemic-type aftershock sequence model. *Computational Statistics and Data Analysis* 2011; 55(1): 1610-1616. PMID: 24039322 PMCID: PMC3770286
4. Machlus KR, **Lin FC**, Wolberg AS. Procoagulant activity induced by vascular injury determines contribution of elevated factor VIII to thrombosis and thrombus stability in mice. *Blood* 2011; 118(14): 3960-3968. PMID: 21828144 PMCID: PMC3193271
5. Song MK, Gilet CA, **Lin FC**, MacHardy N, DeVito Dabbs AJ, Fine JP, Stalberg KD, Fuller E 3rd. Characterizing daily life experience of patients on maintenance dialysis. *Nephrology Dialysis Transplantation* 2011; 26(11): 3671-3677. PMID: 21382996 PMCID: PMC3247796
6. Park JJ, Akazawa M, Ahn J, Beckman-Harned S, **Lin FC**, Lee K, Fine JP, Davis RT, Langevin H. Acupuncture sensation during ultrasound guided acupuncture needling. *Acupuncture in Medicine* 2011; 29(4): 257-265. PMID: 21642648 PMCID: PMC4196666
7. **Lin FC**, Zhu J. Additive hazards regression and partial likelihood estimation for ecological monitoring data across space. *Statistics and its Interface* 2012; 5(2): 195-206. PMID: 24319528 PMCID: PMC3849836
8. Elrefaei M, Boose K, McGee M, Tarrant TK, **Lin FC**, Fine JP, Schmitz JL. Second generation automated anti-CCP test better predicts the clinical diagnosis of rheumatoid arthritis. *Journal of Clinical Immunology* 2012; 32(1): 131-137. PMID: 22072115
9. Lin JT, Juliano JJ, Kharabora O, Sem R, **Lin FC**, Muth S, Mnard D, Wongsrichanalai C, Rogers WO, Meshnick SR. Individual Plasmodium vivax msp1 variants within polyclonal P. vivax infections display different propensities for relapse. *Journal of Clinical Microbiology* 2012; 50(4): 1449-1451. PMID: 22205791 PMCID: PMC3318509
10. Song MK, Ward SE, **Lin FC**. End-of-life decision-making confidence in surrogates of African-American dialysis patients is overly optimistic. *Journal of Palliative Medicine* 2012; 15(4): 412-417. PMID: 22468770 PMCID: PMC3322516
11. **Lin FC**, Zhu J. Continuous-time proportional hazards regression for ecological monitoring data. *Journal of Agricultural, Biological, and Environmental Statistics* 2012; 17(2): 163-175. PMID: 24319326 PMCID: PMC3849820
12. Viera AJ, **Lin FC**, Hinderliter AL, Shimbo D, Person SD, Pletcher MJ, Jacobs DR Jr. Nighttime blood pressure dipping in young adults and coronary artery calcium 10-15 years later: the Coronary Artery Risk Development in Young Adults Study. *Hypertension* 2012; 59(6): 1157-1163. PMID: 22547435 PMCID: PMC3369268
13. Cene CW, Loehr L, **Lin FC**, Hammond WP, Foraker RE, Rose K, Mosley T, Corbie-Smith G. Social isolation, vital exhaustion, and incident heart failure: Findings from the Atherosclerosis Risk in Communities Study. *European Journal of Heart Failure* 2012; 14(7): 748-753. PMID: 22588323 PMCID: PMC3380545
14. Gross MT, Mercer VS, **Lin FC**. Effects of foot orthoses on balance in older adults. *Journal of Orthopaedic & Sports Physical Therapy* 2012; 42(7): 649-657. PMID: 22282317
15. Song MK, Ward SE, Hanson LC, **Lin FC**, Hamilton JB, Hladik G, Fine JP, Bridgman JC, Sun SK, Miles MS. Psychological symptoms and end-of-life decision-making confidence in surrogate decision makers of dialysis patients. *Journal of Nephrology Social Work* 2012; 37: 24-30. PMID: 25242897 PMCID: PMC4169048

16. Chiu CK, Ferreira J, Luo TJM, Geng H, **Lin FC**, Ko CC. Direct scaffolding of biomimetic hydroxyapatite-gelatin nanocomposites using aminosilane cross-linker for bone regeneration. *Journal of Materials Science: Materials in Medicine* 2012; 23(9): 2115-2126. PMID: 22669282 PMCID: PMC3509178
17. Marchi R, Walton BL, McGary CS, **Lin FC**, Ma AD, Pawlinski R, Mackman N, Campbell RA, Di Paola J, Wolberg AS. Dysregulated coagulation associated with hypofibrinogenaemia and plasma hypercoagulability: Implications for identifying coagulopathic mechanisms in humans. *Thrombosis and Haemostasis* 2012; 108(3): 516-526. PMID: 22836883 PMCID: PMC3627352
18. **Lin FC**, Cai J, Fine JP, Lai HJ. Nonparametric estimation of the mean function for recurrent event data with missing event category. *Biometrika* 2013; 100(3): 727-740. PMID: 24415792 PMCID: PMC3887139
19. Robinson BL, Matthews CA, Palsson OS, Geller E, Turner M, Parnell B, Crane A, Jannelli M, Wells E, Connolly A, **Lin FC**, Whitehead WE. Obstetric sphincter injury interacts with diarrhea and urgency to increase the risk of fecal incontinence in women with irritable bowel syndrome. *Female Pelvic Medicine & Reconstructive Surgery* 2013; 19(1): 40-45. PMID: 23321658 PMCID: PMC3920582
20. Song MK, **Lin FC**, Ward SE, Fine JP. Composite variables: When and How. *Nursing Research* 2013; 62(1): 45-49. PMID: 23114795
21. Geller EJ, **Lin FC**, Matthews CA. Analysis of robotic performance times to improve operative efficiency. *Journal of Minimally Invasive Gynecology* 2013; 20(1): 43-48. PMID: 23141423
22. Aragam NR, Thayer KM, Nge N, Hoffman I, Martinson F, Kamwendo D, **Lin FC**, Sutherland C, Bailey JA, Juliano JJ. Diversity of T cell epitopes in plasmodium falciparum circumsporozoite protein likely due to protein-protein interactions. *PLoS ONE* 2013; 8(5): e62427. PMID: 23667476 PMCID: PMC3646838
23. Snyder EA, Caprio AJ, Wessell K, **Lin FC**, Hanson LC. Impact of a decision aid on surrogate decision-makers' perceptions of feeding options for patients with dementia. *Journal of American Medical Directors Association* 2013; 14(2): 114-118. PMID: 23273855 PMCID: PMC3563876
24. Cene CW, Haymore LB, Dolan-Soto D, **Lin FC**, Pignone M, Dewalt DA, Wu JR, Jones CD, Corbie-Smith G. Self-care confidence mediates the relationship between perceived social support and self-care maintenance in adults with heart failure. *Journal of Cardiac Failure* 2013; 19(3): 202-210. PMID: 23482082 PMCID: PMC3596888
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39. Ersek M, Sefcik JS, **Lin FC**, Lee TJ, Gilliam R, Hanson LC. Provider staffing effect on a decision aid intervention. *Clinical Nursing Research* 2014; 23(1): 36-53. PMID: 23291316 PMCID: PMC4393653
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41. Austin CA, Hanzaker C, Stafford R, Mayer C, Culp L, **Lin FC**, Chang L. Utilization of rapid response resources and outcomes in a comprehensive cancer center. *Critical Care Medicine* 2014; 42(4): 905-909. PMID: 24361969

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47. Esther CR, **Lin FC**, Kerr A, Miller MB, Gilligan PH. Respiratory viruses are associated with common respiratory pathogens in cystic fibrosis. *Pediatric Pulmonology* 2014; 49(9): 926-931. PMID: 24167159
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57. Lewis ME, **Lin FC**, Nanavati P, Mehta N, Mounsey L, Nwosu A, Pursell I, Chung EH, Mounsey JP, Simpson RJ. Estimated incidence and risk factors of sudden unexpected death. *Open Heart* 2016; 3(1): e000321. PMID: 27042316 PMCID: PMC4809187
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60. Song MK, Ward SE, **Lin FC**, Hamilton JB, Hanson LC, Hladik G, Fine JP. Racial differences in outcomes of an advance care planning intervention for dialysis patients and their surrogates. *Journal of Palliative Medicine* 2016; 19(2): 134-142. PMID: 26840848 PMCID: PMC4753624
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62. Mooberry MJ, Bradford R, Hobl EL, **Lin FC**, Jilma B, Key NS. Procoagulant microparticles promote coagulation in a factor XI-dependent manner in human endotoxemia. *Journal of Thrombosis and Haemostasis* 2016; 14(5): 1031-1042. PMID: 26857798 PMCID: PMC4870121
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74. Uhlir R, Mayo V, Lin PH, Chen S, Lee YT, Hershey G, **Lin FC**, Ko CC. Biomechanical characterization of the periodontal ligament: orthodontic tooth movement. *Angle Orthodontist* 2017; 87(2): 183-192. PMID: 27542105 PMCID: PMC5812953
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83. Zhang X, Olson DJ, Le P, **Lin FC**, Fleischman D, Davis RM. The association between glaucoma, anxiety, and depression in a large population. *American Journal of Ophthalmology* 2017; 183: 37-41. PMID: 28760639
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97. Corbie-Smith G, Wiley-Cene C, Bess K, Young T, Dave G, Ellis K, Hoover SM, **Lin FC**, Wynn M, McFarlin S, Ede J. Heart Matters: a study protocol for a community based randomized trial aimed at reducing cardiovascular risk in a rural, African American community. *BMC Public Health* 2018; 18(1): 938. PMID: 30064398 PMCID: PMC6069773
98. Moore EG, Roche M, Rini C, Corty EW, Girnary Z, O'Daniel JM, **Lin FC**, Corbie-Smith G, Evans JP, Henderson GE, Berg JS. Examining the cascade of participant attrition in a genomic medicine research study: barriers and facilitators to achieving diversity. *Public Health Genomics* 2018; 20(6): 332-342. PMID: 30086550 PMCID: PMC6112240
99. Sanders CD, Guimbellot JS, Muhlebach MS, **Lin FC**, Gilligan P, Esther CR. Tracheostomy infections in children: epidemiology and clinical outcomes. *Pediatric Pulmonology* 2018; 53(9): 1269-1275. PMID: 29968973
100. Montgomery SA, Young EF, Durham PG, Zulauf KE, Rank L, Miller BK, Hayden JD, **Lin FC**, Welch JT, Hickey AJ, Braunstein M. Efficacy of pyrazinoic acid dry powder aerosols in resolving necrotic and non-necrotic granulomas in a guinea pig model of tuberculosis. *PLoS ONE* 2018; 13(9): e0204495. PMID: 30261007 PMCID: PMC6160074
101. Ernecoff NC, Zimmerman S, Mitchell SL, Song MK, **Lin FC**, Wessell KL, Hanson LC. Concordance between goals of care and treatment decisions for persons with dementia. *Journal of Palliative Medicine* 2018; 21(10): 1442-1447. PMID: 29957095 PMCID: PMC6200066
102. Toles M, Song MK, **Lin FC**, Hanson LC. Perceptions of family decision-makers of nursing home residents with advanced dementia regarding the quality of communication around end-of-life care. *Journal of the American Medical Directors Association* 2018; 19(10): 879-883. PMID: 30032997 PMCID: PMC6165696
103. Vongpatanasin W, Ayers C, Lodhi H, Das SR, Berry JD, Khera A, Victor RG, **Lin FC**, Viera AJ, Yano Y, de Lemos JA. Diagnostic thresholds for blood pressure measured at home in the context of the 2017 hypertension guideline. *Hypertension* 2018; 72(6): 1312-1319. PMID: 30571225 PMCID: PMC6309342
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107. Geng H, Su H, Whitley J, **Lin FC**, Xu X, Ko CC. The effect of orthodontic clinical use on the mechanical characteristics of nickel-titanium closed-coil springs. *Journal of International Medical Research* 2019; 47(2): 803-814. PMID: 30616411 PMID: PMC6381489
108. Jacox LA, Mihas P, Cho C, **Lin FC**, Ko CC. Understanding technology adoption by orthodontists: A qualitative study. *American Journal of Orthodontics and Dentofacial Orthopedics* 2019; 155(3): 432-442. PMID: 30826046
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118. Su CL, **Lin FC**. Analysis of clustered failure time data with cure fraction using copula. *Statistics in Medicine* 2019; 38(21): 3961-3973. PMID: 31162705
119. Kim JI, **Lin FC**, Fine JP. On the self-triggering Cox model for recurrent event data. *Statistics in Medicine* 2019; 38(22): 4240-4252. PMID: 31396988

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121. Deery CB, Hales D, Viera L, **Lin FC**, Liu Z, Olsson E, Gras-Najjar J, Linnan L, Noar SM, Ammerman AS, Viera AJ. Physical activity calorie expenditure (PACE) labels in worksite cafeterias: Effects on physical activity. *BMC Public Health* 2019; 19(1): 1596. PMID: 31783747 PMCID: PMC6884791
122. Chen S, Wang L, Li G, Wu TH, Diachina S, Tejera B, Kwon JJ, **Lin FC**, Lee YT, Xu T, Shen D, Ko CC. Machine learning in orthodontics: Introducing a 3D auto-segmentation and auto-landmark finder of CBCT images to assess maxillary constriction in unilateral impacted canine patients. *Angle Orthodontist* 2020; 90(1): 77-84. PMID: 31403836
123. Tang Z, Kattula S, Holle LA, Cooley BC, **Lin FC**, Wolberg AS. Factor XIII deficiency does not prevent FeCl₃-induced carotid artery thrombus formation in mice. *Thrombosis and Haemostasis* 2020; 4(1): 111-116. PMID: 31989092 PMCID: PMC6971319
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125. **Lin FC**, Li Q, Lin JT. Relapse or reinfection: Classification of malaria infection using transition likelihoods. *Biometrics* 2020; doi:10.1111/biom.13226. PMID: 32022247
126. Gan ZS, Ehlers ME, **Lin FC**, Wright ST, Figler BD, Coward RM. Systematic review and meta-analysis of cycling and erectile dysfunction. *Sexual Medicine Review* 2020; doi: 10.1016/j.sxmr.2020.01.002. PMID: 32147498
127. Liu NT, **Lin FC**, Shih YS. Count regression trees. *Advances in Data Analysis and Classification* 2020; 14(1): 5-27.
128. Mitchell C, Dyer M, **Lin FC**, Bowman N, Mather T, Meshnick S. Protective effectiveness of long lasting permethrin impregnated clothing against tick bites in an endemic lyme disease setting: A randomized control trial among outdoor workers. *Journal of Medical Entomology* 2020; doi:10.1093/jme/tjaa061. PMID: 32277701
129. Carpenter DP, Feinstein SD, Van Buren ED, **Lin FC**, Amendola AN, Creighton RA, Kamath GV. Trends in open shoulder surgery among early career orthopedic surgeons: Who is doing what? *Journal of Shoulder and Elbow Surgery* 2020; doi: 10.1016/j.jse.2020.01.075. PMID: 32336604
130. Li Y, Jacox LA, Coats S, Kwon JJ, Xue P, Tang N, Rui Z, Wang X, Kim YI, Wu TJ, Lee YT, Wong SW, Chien CH, Cheng CW, Gross R, **Lin FC**, Tseng H, Martinez J, Ko CC. Roles of autophagy in orthodontic tooth movement. *American Journal of Orthodontics & Dentofacial Orthopedics* 2020; accepted.
131. Aldaas K, Ismail OM, Hakim J, Van Buren ED, **Lin FC**, Hardin JS, Meyer JJ. Association of dry eye disease with dyslipidemia and statin use. *American Journal of Ophthalmology* 2020; accepted.
132. Husain A, Masoudi E, Mirzaei M, Joodi G, Sadaf M, **Lin FC**, Simpson RJ. Missed opportunities for prevention of sudden death. *North Carolina Medical Journal* 2020; accepted.
133. **Lin FC**, Cai J, Fine JP, Dellon EP, Esther CR. Semiparametric estimation of the proportional rates model for recurrent events data with missing event category. 2020; in revision.

134. **Lin FC**, Shih YS, Yu YB. A nonparametric method for classification trees using grouped covariates. 2020; in revision.
135. **Lin FC**, Cai J, Deng Y, Esther CR. Inverse probability weighted estimation for recurrent events data with missing category. 2020; in revision.
136. Whitecotton B, Piers C, Wu TH, Lee YT, **Lin FC**, Nguyen T, Ko CC. Comparison of alignment efficiency using Little Index between .014" and .016" initial archwires with customized and non-customized brackets in the permanent dentition: A randomized controlled trial. 2020; in revision.
137. Whitecotton B, Piers C, Wu TH, Lee YT, Lin FC, Nguyen T, Ko CC. Comparison of alignment efficiency between .014" and .016" initial archwires with customized conventional brackets and customized self-ligating brackets in the permanent dentition: A prospective, controlled clinical trial. 2020; submitted.
138. Jacox LA, Tang N, Li Y, Bocklage C, Coats S, Graves C, Miao M, Glesener T, Kwon J, Giduz N, **Lin FC**, Martinez J, Ko CC. Orthodontic loading activates cell-specific autophagy in a force-dependent manner. 2020; submitted.
139. Campbell C, Mihas P, Bocklage C, Frazier-Bowers SA, **Lin FC**, Ko CC, Jacox LA. Educational debt and the gender gap: Understanding factors influencing Orthodontists' career decisions. 2020; submitted.
140. Sadaf MI, Caldwell M, Young L, Mirzaei M, Joodi G, Chen S, **Lin FC**, Wu Y, Simpson RJ. Diabetes and mental illness in sudden death victims. 2020; submitted.
141. Masoudi EA, Mirzaei M, Joodi G, Husain A, Murrium S, Flowers J, **Lin FC**, Simpson RJ. Recent health care visits, symptoms and clinical characteristics of sudden death victims. 2020; submitted.
142. Zhang X, Olson DJ, Ward MF, Van Buren ED, Le P, Pi X, **Lin FC**, Davis RM. [RTVue] The effect of keratoconjunctivitis sicca and preservative-containing topical anti-glaucoma therapy on corneal epithelium thickness. 2020; submitted.
143. Le P, Vu T, Aldaas K, Van Buren ED, **Lin FC**, Davis RM. The association between Fuchs endothelial dystrophy with comorbid anxiety and depression. 2020; submitted.
144. Funk I, Strelow BA, Klifto MR, Knight OJ, Van Buren ED, **Lin FC**, Fleischman D. The relationship of travel distance to postoperative glaucoma surgery follow-up care. 2020; submitted.
145. Hanson LC, Ernecoff NC, Wessell KL, **Lin FC**, Milowsky M, Collichio FA, Wood WA, Rosenstein D. Short-term mortality risk for patients with stage IV cancer and acute illness hospitalization. 2020; submitted.
146. Dave G, Brooks JL, Ajazi L, Hoover S, Wolfe M, Frerichs L, Villa-Torres L, **Lin FC**, Hamilton M, Jessup H, Bess K, Wynn M, McFarlin S, Corbie-Smith G. Cardiovascular outcomes of an adapted evidence-based intervention for rural African Americans: Heart Matters trial. 2020; submitted.
147. Mitchell C, **Lin FC**, Vaughn M, Apperson C, Meshnick S, Commins S. Association between lone star tick bites and increased alpha-gal sensitization: Evidence from a prospective study among outdoor workers. 2020; submitted.
148. Chen MH, Yin W, Chen YS, Lu CH, Li T, **Lin FC**, Lin WC, Lin W. Staging and monitoring the cognitive decline in Parkinson's disease using resting-state functional MRI. 2020; submitted.

149. Northam KA, Parker WF, Chen SL, Cicci JD, **Lin FC**, Rollins-Raval MA, Kasthuri RS. Evaluation of 4Ts score inter-rater reliability when performed by non-experts in patients undergoing heparin-induced thrombocytopenia laboratory testing. 2020; submitted.
150. Rogers M, Egberg MD, Sylvester F, Lichtman S, **Lin FC**. Outcomes of pediatric liver transplant are unaffected by the time or day of surgery. 2020; submitted.

PUBLICATIONS (NON-PEER REVIEWED LETTERS, ABSTRACTS, EDITORIALS, and COMMENTARY)

1. Wang HC, Doong HS, **Lin FC**. Determinants of e-government service adoption: An innovation diffusion perspective. *2007 International Conference on Wireless Communications, Networking and Mobile Computing, WiCOM 2007*; 2007: 3453-3456.
2. Viera AJ, **Lin FC**, Shimbo D, Jacobs DR Jr. Response to is the atherosclerotic risk of extreme dipping in youth partly explained by exaggerated morning surge? *Hypertension* 2012; 60: e20-e21.

PUBLICATIONS (IN PREPARATION)

1. Hanson LC, Ernecoff NC, Wessell KL, Hanspal J, **Lin FC**, Winzelberg GS, Collichio FA, Milowsky M, Rosenstein DL, Wood WA, DeWalt D. Collaborative oncology palliative care for patients with stage IV cancer. 2020; in preparation.
2. Hinderliter AL, **Lin FC**, Tuttle LA, Olsson E, Klein JL, Viera AJ. Hypertension-mediated organ damage in masked hypertension. 2020; in preparation.
3. Viera AJ, Yano Y, **Lin FC**, Simel DL, Yun J, Dave G, Holle AV, Viera LA, Hardy ST, Donahue K, Shimbo D, Hinderliter A, Voisin CE, Jonas DE. Does this adult patient have hypertension? Rational clinical examination systematic review. 2020; in preparation.
4. Yano Y, Poudel B, Chen L, Sakhuja S, Jaeger B, Viera A, Shimbo D, Clark D, Anstey DE, **Lin FC**, Lewis CE, Shikany JM, Rana JS, Correa A, Lloyd-Jones DM, Schwartz JE, Muntner P. The impact of asleep and 24-hour blood pressure on the prevalence of masked hypertension by race/ethnicity: analysis of pooled population- and community-based studies. 2020; in preparation.
5. Yano Y, **Lin FC**, Simel D, Hinderliter A, Sherwood A, Blewer A, Viera AJ. Automated Office Blood Pressure Compared to Traditional Office and Home BP Monitoring to Diagnose Hypertension
6. **Lin FC**, Thota S, Mirzaei M, Joodi G, Simpson RJ. Identification of sudden unexpected deaths using death certificate data. 2019; in preparation.
7. Wang X, Pastewait M, Tejera B, Wu TH, Lee YT, **Lin FC**, Wang L, Shen D, Li S, Ko CC. 3D maxilla and defect quantification using automatic segmentation for patients with unilateral cleft lip and palate. 2019; in preparation.
8. Zaytoun ML, Guez C, **Lin FC**, Ko CC. An empirical approach to the extraction vs. non-extraction decision. 2020; in preparation.
9. Zaytoun ML, Li Y, **Lin FC**, Ko CC. Machine learning algorithms: A new approach to the extraction decision. 2020; in preparation.

10. Rini C, Roche M, **Lin FC**, Foreman AKM, Griesemer I, Waltz M, Evans J, Berg J, Henderson G. Behavioral and psychosocial effects of learning about and being able to request non-medically actionable secondary findings from diagnostic exome sequencing: A randomized controlled trial. 2020; in preparation.
11. Luterbach C, **Lin FC**, Rao G. Systems-based approach to designing combination therapeutics against multi-drug resistant Carbapenem Resistant *Klebsiella pneumoniae*. 2020; in preparation.
12. Shapiro J, Stillwagon M, Yarboro SR, Jeray KJ, Tornetta P, Matuszewski P, Gage M, Obremsky WT, **Lin FC**, Ostrum RF. Serologic and nutritional Assessment of Nonunion: A Multicenter Investigation. 2020; in preparation.
13. Clouthier KL, Miszta A, **Lin FC**, Sharma MS, Clement KC, Wolberg AS. Thrombin generation improves evaluation of pediatric hemostatic potential on extracorporeal life support. 2020; in preparation.

INVITED TALKS AND LECTURES

1. “Analysis of cyclic recurrent event data with multiple event types”:
 - Computational and Methodological Statistics (CMStatistics), Senate House University of London, United Kingdom, December 14-16, 2019.
2. “Classification of competing risk outcomes via transition likelihoods”:
 - Computational and Methodological Statistics (CMStatistics), University of Pisa, Italy, December 14-16, 2018.
3. “Classification of uncertain binary outcomes using biomarker information”:
 - Department of Mathematics, National Chung Cheng University, Minghsiang, Chiayi, Taiwan, May 26, 2015.
 - Division of Biostatistics and Bioinformatics, National Health Research Institutes, Zhunan, Miaoli, Taiwan, June 15, 2015.
4. “Semiparametric estimation of modulated renewal process models and its applications”:
 - Department of Statistics, National Chengchi University, Taipei, Taiwan, September 23, 2013.
 - Institute of Statistical Science, Academia Sinica, Taipei, Taiwan, June 8, 2015.
 - Department of Statistics, Kansas State University, Manhattan, Kansas, September 24, 2015.
5. “Robust analysis of semiparametric renewal process models”:
 - American Mathematical Society (AMS) Fall Southeastern Sectional Meeting, University of Louisville, Louisville, Kentucky, October 5, 2013.
6. “An introduction to multistate models and disease history processes”:
 - North Carolina Translational & Clinical Sciences Institute, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, February 17, 2012.
 - North Carolina Translational & Clinical Sciences Institute, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, October 23, 2015.
 - North Carolina Translational & Clinical Sciences Institute, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, October 25, 2019.

7. “Nonparametric/semiparametric estimation of the mean function for recurrent event data with missing event category”:
 - Department of Biostatistics, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, July 14, 2011.
 - Division of Biostatistics and Bioinformatics, National Health Research Institutes, Zhunan, Miaoli, Taiwan, September 16, 2013.
 - Department of Mathematics, National Chung Cheng University, Minghsiung, Chiayi, Taiwan, September 17, 2013.
 - Institute of Statistics, National Tsing Hua University, Hsinchu, Taiwan, September 18, 2013.
 - Department of Biostatistics and Medical Informatics, University of Wisconsin-Madison, Madison, Wisconsin, January 17, 2014.
 - Department of Applied Mathematics, National Chung Hsing University, Taichung, Taiwan, June 4, 2015.
 - Department of Statistics, National Taipei University, New Taipei City, Taiwan, June 17, 2015.

8. “Additive hazards regression and partial likelihood estimation for ecological monitoring data”:
 - Third North American Regional Meeting, The International Environmetrics Society (TIES) 2011, La Crosse, WI, July 20, 2011 (presented by Jun Zhu).
 - International Chinese Statistical Association (ICSA) 2011 Applied Statistics Symposium, New York City, NY, June 28, 2011.
 - Department of Applied Mathematics, National Chung Hsing University, Taichung, Taiwan, December 23, 2011.
 - Department of Mathematics, National Chung Cheng University, Minghsiung, Chiayi, Taiwan, December 28, 2011.

9. “Regression modeling of modulated renewal processes”:
 - Biostatistics Research Branch (BRB), National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), Bethesda, MD, April 2, 2009.
 - Department of Statistics and Actuarial Science, University of Waterloo, Waterloo, Ontario, Canada, March 24, 2009.
 - Department of Preventive Medicine, Northwestern University, Chicago, IL, March 20, 2009.
 - Department of Biostatistics and Informatics, University of Colorado, Denver, CO, March 9, 2009.
 - Joint Meeting of the 2011 Taipei International Statistical Symposium and 7th Conference of the Asian Regional Section of the IASC, Taipei, Taiwan, December 18, 2011.
 - 14th Meeting of New Researchers in Statistics and Probability (15 minutes short talk), La Jolla, California, USA, July 26 - July 28, 2012.

10. Lectures to non-statisticians
 - Department of Global Politics and Economics, Tamkang University, Jiaoxi, Yilan, Taiwan, June 5, 2015
Title: “Selection bias, missing data, and prediction models”

- Division of Hematology and Oncology, Department of Medicine, Taipei Veterans General Hospital, Taipei, Taiwan, June 16, 2015
Title: “Working as a biostatistician: Life beyond t-tests”
- Center for Health Equity Research (CHER), UNC Chapel Hill, June 6, 2018
Unit 1: “Working as a biostatistician: Life beyond t-tests”
Unit 2: “Selection bias, missing data, and imputations”

CONTRIBUTED PRESENTATIONS

1. Li LA, **Lin FC**, Tseng GC. A criterion to find the optimal size in tight clustering. Joint Statistical Meetings, Minneapolis, Minnesota, USA, 2005.
2. **Lin FC**, Lai HJ. Persistent versus worsening malnutrition during age 6 to 10 years and lung disease outcomes in children with CF (poster). The 22nd Annual North American Cystic Fibrosis Conference, Orlando, Florida, USA, 2008.
3. **Lin FC**. A random effect Epidemic-Type Aftershock Sequence (ETAS) model. Joint Statistical Meetings, Washington, DC, USA, 2009.
4. **Lin FC**, Cai J, Fine JP, Lai HJ. Nonparametric estimation of the mean function for recurrent event data with missing event category. ENAR Spring Meeting, Washington, DC, USA, 2012.
5. **Lin FC**. A semiparametric epidemic-type aftershock sequence model and its efficiency bounds. Joint Statistical Meetings, San Diego, California, USA, 2012.
6. **Lin FC**, Truong Y, Fine JP. Robust analysis of semiparametric renewal process models. Joint Statistical Meetings, Boston, MA, USA, 2014.
7. **Lin FC**, Quefeng Li. Classification of uncertain binary outcomes using biomarker information. Joint Statistical Meetings, Chicago, IL, USA, 2016.

GRANT AND OTHER RESEARCH SUPPORT (ONGOING)

1. U48 DP006400 (Ammerman) 9/30/19–9/29/24
Centers for Disease Control
Center for Health Promotion and Disease Prevention
2. R01 HL142879 (Taylor) 12/15/19–11/30/23
National Heart, Lung and Blood Institute
Molecular Control of Cardiomyocyte Mitophagy by the RhoGAP GRAF1
3. R01 AI137395 (Lin) 6/22/18–5/31/23
National Institute of Allergy and Infectious Diseases
Determinants of Malaria Transmission by Submicroscopic Gametocytemia
4. UL1 TR002489 (Buse) 3/30/18–2/28/23
National Center for Advancing Translational Sciences
North Carolina Translational and Clinical Science Institute (NC TraCS) - Biostatistics, Epidemiology, and Research Design (BERD)
5. K08 ES029118 (Moran) 4/1/19–3/31/22
National Institute of Environmental Health Sciences
The Role of Neuropilin-2 in Regulating Environmental Airways Injury

6. U01 HG006487 (Berg) 8/1/17–5/31/21
National Human Genome Research Institute
North Carolina Clinical Genomic Evaluation by Next-gen Exome Sequencing 2
7. R01 HL126974 (Wolberg) 1/15/16–12/31/20
National Institutes of Health
Fibrinogen and Factor XIII in Venous Thrombosis

GRANT AND OTHER RESEARCH SUPPORT (CURRENTLY ZERO EFFORT)

1. K24 HL105493 (Corbie-Smith) 7/1/15–12/31/20
National Heart, Lung and Blood Institute
Mentoring in Community-Engaged Approaches to Address CVD Disparities
2. R21 AT009704 (Wikstrom) 3/1/18–1/31/21
National Center for Complementary & Integrative Health Neuromuscular Mechanisms of Manual Therapies in Chronic Ankle Instability Patients
3. 2020-207-038 (Carson) 4/1/20–3/31/21
Society of Critical Care Medicine PTSD Trajectories in ICU Family Caregivers: A Pilot Study

GRANT AND OTHER RESEARCH SUPPORT (COMPLETE IN RECENT 5 YEARS)

1. R01 HL120690 (Corbie-Smith) 3/15/14–2/29/20
National Heart, Lung and Blood Institute
Reducing Risk of Cardiovascular Disease Risk Factors in Rural Communities in NC
2. R01 HL130367 (Taylor) 1/1/2016–12/31/19
National Institutes of Health
Role of the Rho-GAP GRAF3 in the pathogenesis of human hypertension
3. R01 OH010791 (Mather) 9/1/15–8/31/19
University of Rhode Island/NIOSH
Preventing Lyme disease exposure among outdoor workers
4. R01 CA184473 (Viera) 9/1/14–8/31/19
National Institutes of Health
Effects of Physical Activity Calorie Expenditure (PACE) Food Labeling
5. U19 HD077632 (Berg) 9/5/13–8/31/19
National Institutes of Health
NC Nexus, North Carolina Newborn Exome Sequencing for Universal Screening
6. R01 DE022816 (Ko) 3/14/14–2/28/19
National Institutes of Health
Engineering Novel Bio-Inspired Materials for Stem-Cell Mediated Bone Regeneration
7. R21 AG052140 (Hanson) 5/1/16–4/30/18
National Institutes of Health
Triggered Palliative Care for Advanced Dementia: A Pilot Study
8. UL1 TR001111 (Buse) 9/26/13–4/30/18
National Institutes of Health
North Carolina Translational & Clinical Sciences Institute (NC TraCS) - Biostatistics Core

9. (Burns) 10/4/13–8/31/16
 Spire Corporation
 Nano-Crystalline Ceramic Coating for the Reduction of Sliding Resistance of Orthodontic Archwires
10. R56 HL094740 (Wolberg) 9/1/14–8/31/16
 National Institutes of Health
 Determinants of Thrombus Structure and Stability
11. R01 AG037483 (Hanson) 4/15/11–3/31/16
 National Institute on Aging
 Goals of Care: A Nursing Home Trial of Decision Support for Advanced Dementia
12. U01 HG006487 (Evans) 12/5/11–11/30/15
 National Human Genome Research Institute
 NC GENES: North Carolina Clinical Genomic Evaluation by NextGen Exome Sequencing
13. U54 CA153602 (Godley) 9/1/10–8/31/15
 National Institutes of Health
 Carolina Community Network Center to Reduce Cancer Health Disparities
14. R01 OH009874 (Meshnick) 9/1/10–8/31/15
 National Institute of Occupational Safety and Health
 Preventing Exposure to Ticks and Tick-Borne Illness in Outdoor Workers
15. (Song) 8/1/14–7/31/15
 Sigma Theta Tau International Honor Society of Nursing
 A Randomized Controlled Trial of SPIRIT-HF: An Intervention to Prepare LVAD Patients and Their Surrogates for End-of-Life Decision-Making
16. K24 HL105493 (Corbie-Smith) 9/20/10–7/31/15
 National Heart, Lung and Blood Institute
 Mentoring in Community Influences on CVD Risk

TEACHING

1. Instructor

- BIOS 661/673/740 Probability and Statistical Inference II
 Department of Biostatistics, University of North Carolina at Chapel Hill
 Spring 2014, 2015, 2016, 2017, 2018, 2019, 2020
- BIOS 842 Practice in Statistical Consulting
 Department of Biostatistics, University of North Carolina at Chapel Hill
 Fall 2019
 Summer 2018, 2019
- BIOS 693H/694H Honors Research in Biostatistics
 Department of Biostatistics, University of North Carolina at Chapel Hill
 Fall 2018
 Spring 2019

2. Guest Lecturer

- BIOS 841 Statistical Consulting
Department of Biostatistics, University of North Carolina at Chapel Hill
March 25, 2014

3. Teaching Assistant

- Introduction to Biostatistical Methods for Public Health
Department of Biostatistics and Medical Informatics, University of Wisconsin-Madison
Fall 2005
- Simulation Method
Department of Statistics, National Chengchi University, Taipei, Taiwan
Fall 1998
- Advanced Statistics
Department of Business Administration, National Chengchi University, Taipei, Taiwan
Spring 1998

GRADUATE COMMITTEE ACTIVITY

1. PhD Committee, Member

- Jack Murphy 2019–present
Department of Epidemiology, University of North Carolina at Chapel Hill
- Ashley Griffin 2019–present
Carolina Health Informatics Program, University of North Carolina at Chapel Hill
- Busola Sanusi 2019–present
Department of Biostatistics, University of North Carolina at Chapel Hill
- Arkopal Choudhury 2020
Department of Biostatistics, University of North Carolina at Chapel Hill
- Reuben Adatorwovor 2020
Department of Biostatistics, University of North Carolina at Chapel Hill
- Crystal Thuy-Tien Nguyen 2019
Department of Biostatistics, University of North Carolina at Chapel Hill
- Jung In Kim 2017
Department of Biostatistics, University of North Carolina at Chapel Hill
- Natalia Gouskova 2014
Department of Biostatistics, University of North Carolina at Chapel Hill
- Meagan Vaughn 2013
Department of Epidemiology, University of North Carolina at Chapel Hill

2. Master, Advisor

- Yi Tang Chen 2020
Department of Biostatistics, University of North Carolina at Chapel Hill
- Huijun (Jean) Jiang 2020
Department of Biostatistics, University of North Carolina at Chapel Hill
- David Bang 2020
Department of Biostatistics, University of North Carolina at Chapel Hill

- Paridhi Ranadive 2020
Department of Biostatistics, University of North Carolina at Chapel Hill
- Jeremy Saxe 2019
Department of Biostatistics, University of North Carolina at Chapel Hill
- Gloria Kim 2019
Department of Biostatistics, University of North Carolina at Chapel Hill
- Yi Li 2018
Department of Biostatistics, University of North Carolina at Chapel Hill
- Jimin Kim 2018
Department of Biostatistics, University of North Carolina at Chapel Hill
- Nicholas Perrone 2018
Department of Biostatistics, University of North Carolina at Chapel Hill
- Junheng Gao 2017
Department of Biostatistics, University of North Carolina at Chapel Hill
- Rongrong Qu 2016
Department of Biostatistics, University of North Carolina at Chapel Hill
- Eunyong Angela Lee 2016
Department of Biostatistics, University of North Carolina at Chapel Hill
- Derek Marsh 2016
Department of Biostatistics, University of North Carolina at Chapel Hill

3. Master Committee, Member/Reader

- Yueting Wang 2020
Department of Orthodontics, University of North Carolina at Chapel Hill
- Phil Hamilton 2020
Department of Orthodontics, University of North Carolina at Chapel Hill
- Matthew Pastewait 2020
Department of Orthodontics, University of North Carolina at Chapel Hill
- Catherine Campbell 2020
Department of Orthodontics, University of North Carolina at Chapel Hill
- Christian Piers 2019
Department of Orthodontics, University of North Carolina at Chapel Hill
- Laura Jacox 2019
Department of Orthodontics, University of North Carolina at Chapel Hill
- Mary Zaytoun 2019
Department of Orthodontics, University of North Carolina at Chapel Hill
- Brian Bragassa 2018
Department of Orthodontics, University of North Carolina at Chapel Hill
- Crystal Thuy-Tien Nguyen 2017
Department of Biostatistics, University of North Carolina at Chapel Hill
- Bryan Whitecotton 2017
Department of Orthodontics, University of North Carolina at Chapel Hill
- Chris Gibson 2016
Department of Orthodontics, University of North Carolina at Chapel Hill

- Camille Guez 2015
Department of Orthodontics, University of North Carolina at Chapel Hill
- Hsin Chen 2014
Department of Orthodontics, University of North Carolina at Chapel Hill

4. BSPH Committee, Chair

- Yunhan Wu (Highest Honor) 2019
Department of Biostatistics, University of North Carolina at Chapel Hill

STUDENTS/POSTDOCS SUPERVISED IN COLLABORATIONS

1. Postdoctoral Research Associate

- Jeff Laux 2013–2015

2. Graduate Students

- Victor Ritter 2020–present
- Lang Li 2020–present
- Jace Albert 2020–present
- Yi Tang Chen 2019–2020
- Huijun Jiang 2019–present
- Jeremy Saxe 2018–2019
- Jimin Kim 2017–2018
- Eric van Buren 2016–2020
- Hunyong Cho 2017
- Wansuk Choi 2016–2017
- Taofik Olatunji Oyekunle 2015–2016
- Wenxiao Wu 2015–2016
- Jung In Kim 2014–2015
- Andy Ni 2013

UNDERGRADUATE/HIGH SCHOOL STUDENTS/INTERN SUPERVISED

1. Undergraduate Students

- Jackson Davis (Statistics and Operational Research) 2020
- Yunhan Wu (Biostatistics) 2017–2019
- Jeremy Chao (Statistics and Operational Research) 2017

2. High School Students

- Roman Liu (Union High School, Camas, WA) 2019
- Brian Liu (Green Hope High School, Cary, NC) 2017

DEPARTMENTAL SERVICE

- Master Exam Committee (Chair), Department of Biostatistics, University of North Carolina at Chapel Hill 2019-present
- Awards Committee (Member), Department of Biostatistics, University of North Carolina at Chapel Hill 2015-present
- Interim Deputy Director, Biostatistics, Epidemiology and Research Design (BERD), NC Translational and Clinical Sciences (TraCS) Institute August, 2019-December, 2019
- Faculty Search Committee (Chair), Department of Orthodontics/Biomedical Research Imaging Center (BRIC), University of North Carolina at Chapel Hill 2018
- Department Seminar Committee (Co-Chair), Department of Biostatistics, University of North Carolina at Chapel Hill 2014-2015
- Comprehensive Exam Applied Subcommittee (Member), Department of Biostatistics, University of North Carolina at Chapel Hill 2013-2014
- Master Exam Committee (Member), Department of Biostatistics, University of North Carolina at Chapel Hill 2014-2018

PROFESSIONAL SERVICE

- Statistics Editor: *Genetics in Medicine* (2012 - 2018)
- Referee service: *Annals of Statistics*, *Journal of the American Statistical Association (JASA)*, *Journal of the Royal Statistical Society, Series B (JRSSB)*, *Biometrics*, *Statistics in Medicine*, *Journal of Multivariate Analysis*, *Lifetime Data Analysis*, *Computational Statistics and Data Analysis*, *Environmental and Ecological Statistics*, *Mathematics and Computers in Simulation*, *Complementary Therapies in Medicine*, *American Journal of Chinese Medicine*

PROFESSIONAL SOCIETY MEMBERSHIP

- American Statistical Association (ASA), 2009 - present
- International Biometric Society - Eastern North American Region (ENAR), 2012
- International Chinese Statistical Association (ICSA), 2011

ACADEMIC HONORS AND AWARDS

- Delta Omega, Honorary Society in Public Health, 2019
- Departmental Teaching Innovation Award, UNC Gillings School of Public Health, 2018-19
- Finalist, Milton W. Hamolsky Awards, The Society of General Internal Medicine (SGIM) 33rd Annual Meeting, Minneapolis, Minnesota, USA, 2010, abstract and oral presentation by Cene CW, **Lin FC**, Loehr L, Powell-Hammond W, Foraker R, Rose K, Mosley T, Corbie-Smith G.
- Study Abroad Scholarship, Ministry of Education, Taiwan, 2005-2006

COMMUNITY SERVICE

- Board of Directors, North Carolina Raleigh Chinese Language School, 2013-2015
- Vice principal, North Carolina Raleigh Chinese Language School, 2012-2013, 2015-2016
- Principal, North Carolina Raleigh Chinese Language School, 2011-2012

North Carolina Raleigh Chinese Language School (NCRCLS) is a registered non-profit organization founded in 1977. It specialized in teaching Mandarin and traditional Chinese characters. The school now offers 20 language classes and 12 culture classes for 200 students.

Visit us at <http://ncrcls.org>