

BAOJIANG CHEN

ADDRESS: Department of Biostatistics and Data Science, School of Public Health in Austin
The University of Texas Health Science Center at Houston
1616 Guadalupe Street, Suite 6.300. Austin, Texas, 78701

E-MAIL: Baojiang.Chen@uth.tmc.edu

TELEPHONE NUMBERS: (512) 391-2522 (Office)
(512) 482-6185 (Fax)

EDUCATION:

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|-------|----------------------------|------|--------------------------------|
| Ph.D. | Statistics | 2008 | University of Waterloo, Canada |
| M.S. | Statistics | 2005 | Nankai University, China |
| B.S. | Probability and Statistics | 2002 | Nankai University, China |

PROFESSIONAL APPOINTMENTS:

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| 2016-Present | Associate Professor, Department of Biostatistics, School of Public Health, The University of Texas Health Science Center at Houston |
| 2010-2016 | Assistant Professor, Department of Biostatistics, College of Public Health, University of Nebraska Medical Center |
| 2011-2016 | Adjunct Assistant Professor, Department of Statistics, University of Nebraska-Lincoln |
| 2009-2010 | Acting Instructor, Department of Biostatistics, University of Washington |
| 2009-2010 | Statistical Analyst, WOC, Department of Veterans Affairs (VA), Seattle, Washington |
| 2008-2009 | Research Associate, Department of Statistics and Actuarial Science, University of Waterloo |

HONORS AND AWARDS:

1. The John P. McGovern Award for Outstanding Teaching, UTHealth SPH 2021.
2. Honored to provide a Faculty Address in Austin Graduation Ceremony, 2021.
3. Crystal Quill Award, UTHealth School of Public Health in Austin, 2020.
4. Recognition of Service, University of Nebraska Medical Center, 2016.
5. College of Public Health Faculty Research Award, University of Nebraska Medical Center, 2015.
6. Pierre Robillard Award for the best PhD thesis in the areas of probability and statistics, Canada, 2009

7. Sprott Scholarship for excelling in the doctoral comprehensive examinations, University of Waterloo, 2008
8. International Biometric Society's Eastern North American Region (ENAR) Distinguished Student Paper Award, 2008
9. Complementary Student Membership of Statistical Society of Canada, 2008
10. Teaching Assistant Award, University of Waterloo, 2007
11. Complementary Student Membership of Statistical Society of Canada, 2007
12. International Doctoral Student Award, University of Waterloo, 2005--2008
13. Statistics and Actuarial Science Chair's Award, University of Waterloo, 2005--2007
14. Grad Merit Award, University of Waterloo, 2006--2007
15. Second class, best Master's thesis of Nankai University, 2005
16. Third class, best Master's thesis of China, 2005
17. Honored to participate in the summer school of Applied statistics in Tsinghua University and take part in the International Conference on Design of Experiment, 2004
18. Outstanding Student of Nankai University, 2002
19. Rank Certificate of Computer Software Engineer approved and issued by Ministry of Information Industry of P. R. China, 2000
20. Nankai University Scholarships, 1999—2005

CURRENT FUNDING:

| | | |
|--|-----------------|-------------------|
| NCI/NIH | Harrell (PI) | 02/15/19-01/31/24 |
| ENDS Use Trajectories from Adolescence through Young Adulthood: A Longitudinal Study of Risk Factors and Profiles. | | |
| Role: Co-I (20%) | \$ 2,107,451.00 | |

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| NCI/NIH | Kelder (PI) | 09/01/19-08/31/24 |
| Middle School Cluster RCT to Evaluate E-cigarette Prevention Program: CATCH My Breath. | | |
| Role: Co-I (10%) | \$ 2,025,880.00 | |

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|---|--------------|-------------------|
| NIH/U of Alab. Birm. | Gabriel (PI) | 07/01/20-06/30/24 |
| Young adult and midlife transitions in physical activity and sedentary behavior with heart failure risk and progression: Coronary Artery Risk Development in Young Adults (CARDIA). | | |
| Role: subcontract PI (2.5%) | \$ 80,978.00 | |

PREVIOUS FUNDING:

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| NCI/NIH | Perry (PI) | 11/01/16-08/31/19 |
| Tobacco Center of Regulatory Science on Youth and Young Adults. | | |
| Role: Co-I (20%) | \$ 19,739,033 | |

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| NCI/NIH | Perez (PI) | 04/01/19-04/30/22 |
| Age of Initiation of Tobacco Products among USA Youth and Young Adults. | | |
| Role: Co-I (12%) | \$ 898, 550.00 | |

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| Michael & Susan Dell Center | Chen (PI) | 02/01/18-01/31/19 |
| Box-Cox transformation models for SPAN data. | | |
| Role: PI | \$ 4,725 | |

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|---|-----------|-------------------|
| 36-5410-2049-001 | Yu (PI) | 09/01/16-04/30/17 |
| Task shifting of antiretroviral treatment from doctors to primary-care nurses in South Africa (STRETCH): A procedural replication of Fairall, et al. (2012) | | |
| Role: Subcontract PI (19%) | \$28, 988 | |

36-5410-2049-001 Chen (PI) 05/01/16-08/31/16
Task shifting of antiretroviral treatment from doctors to primary-care nurses in South Africa
(STRETCH): A procedural replication of Fairall, et al. (2012)
Role: PI (19%) \$28, 988

28249990-52912A Vose (PI) 06/ 01/11 – 07/31/16
Stanford University Medical Center
FLT-PET/CT for Therapy Monitoring of Diffuse Large B-Cell Lymphoma.
Role: Co-I (6%) \$51,090

OPP1034619 Obaro (PI) 07/01/12 – 06/30/17
Gates Foundation
Community-Acquired Pneumonia and Invasive Bacterial Diseases in Young Nigerian
Children (CAPIBD)-A Platform Preparatory Study
Role: Co-I (5%) \$3,593,016

1R01EB017853-01A1 Mahato (PI) 07/01/14 – 05/31/18
DHHS/NIH/NIBIB
Polymeric Nanomedicines of Small Molecules and miRNA for Treating Pancreatic Cancer
Role: Co-I (3%) \$223,495

1R01GM113166-01A1 Mahato (PI) 07/15/15 – 03/31/19
DHHS/NIH/NIBIB
Polymeric Nanomedicines of Hedgehog Inhibitor and miRNA for Treating Pancreatic cancer
Role: Co-I (3%) \$237,000

COPH UNMC Wang and Kim (PIs) 07/01/15-6/30/16
An Examination of Factors Influencing Cancer Screening of Rural Nebraskans Using Data from
Clinics Participating in an Accountable Care Organization
Role: Co-I (0%) \$100,000

UNMC Pozehl (PI) 09/01/15-8/30/16
AHA Collaborative Grant – Pilot work for Population Project
Role: Co-I (0%) \$5,000

COPH UNMC Soliman (PI) 09/15/15-9/14/16
Nutrition-Sensing Metabolic Pathways as Targets for Early Detection and Control of Pancreatic
Cancer
Role: Co-I (0%) \$100,000

CA98413-09 Anderson (PI) 08/01/11 - 09/31/12
National Children's Cancer Foundation,
Children's Oncology Statistics and Data Center
The Statistical Center (consisting of the Biostatistical Center at UNMC in Omaha, NE and the
Data Management Center at the CCG/SDC in Arcadia, CA) will be responsible for all data
management, data processing and statistical activities within
Role: Co-I (20%) \$197,097

5R03CA149857-02 Hollingsworth (PI) 09/01/12-08/31/14
DHHS/NIH/NCI
A Novel Combination Therapy for the Treatment of Pancreatic Adenocarcinoma
Role: Co-I (5%) \$50,000

Dean's mentored pilot grant Chen (PI) 02/01/13 - 01/31/14

CoPH, UNIVERSITY OF NEBRASKA,
 Statistical methods for Investigating factors that influence the occurrence of dementia in the presence of auxiliary information and non-random missingness.
 Role: PI (0%) \$25,000

Dean's collaborative pilot grants Luo (PI) 02/01/13 – 1/31/14
 CoPH, UNIVERSITY OF NEBRASKA,
 Statistical Analysis for MOE Effects in Disease Surveillance
 Role: Co-I (0%) \$23,795

DHHS mini-grant Jiang (PI) 11/2013-4/19/2014
 DHHS, Nebraska
 Cardiac rehabilitation and other prognostic factors in coronary heart disease
 Role: Faculty mentor (0%) \$3,000

7R01DK060632-10 Black (PI) 01/01/12 – 11/30/14
 DHHS/NIH/NIDDK
 Regulation of Cyclin D1 Expression in the Intestine
 Role: Co-I (5%) \$156,618

FY2013 ACR Michaud (PI) 07/01/12 - 06/30/15
 American College of Rheumatology Research,
 Mortality Due to Rheumatoid Arthritis and Treatments.
 Role: Co-I (5%) \$231,482

PUBLICATIONS:

My methodological research interest lies in missing data issue, longitudinal data analysis, survival analysis, experimental design, transformation models, evaluation of diagnostic test, high-dimensional analysis, and statistical applications. Application areas focus on tobacco control for youth and young adult study, Alzheimer's disease study, physical activity and nutritional study, cancer screening.

Articles in Refereed Journals (#indicates my contribution is directly related to my research initiative [Statistical methodology]):

1. Sun, Y., Sun, Y., **Chen, B.** and Fang, Z. (2004). Research on the One Vertex and Two Vertices Connectivity Reliability in the Wireless Sensor Networks. *Chinese Journal of Sensors and Actuators*, 17e, 379--385. No NIH funding.
2. Li, P., **Chen, B.** #, Liu, M. and Zhang, R. (2006). A Note on Minimum Aberration and Clear Criteria. *Statistics and Probability Letters*, 76, 1007--1011. No NIH funding.
3. **Chen, B.** #, Li, P., Liu, M. and Zhang, R. (2006). Some Results on Blocked Regular 2-level Fractional Factorial Designs with Clear Effects. *Journal of Statistical Planning and Inference*, 136, 4436--4449. No NIH funding.
4. **Chen, B.** #, Yi, G. Y. and Cook, R. J. (2009). Likelihood Analysis of Joint Marginal and Conditional Models for Longitudinal Categorical Data. *Canadian Journal of Statistics*, 37, 182--205. No NIH funding.
5. Wong, R. K., Sagar S. M., **Chen, B.**, Yi, G. Y. and Cook, R. J. (2010). Phase II Randomized Trial of Acupuncture-Like Transcutaneous Electrical Nerve Stimulation to Prevent Radiation-Induced Xerostomia in Head and Neck Cancer Patients. *Journal of the Society of Integrative Oncology*, 8, 35--42. PMID: [20388444](https://pubmed.ncbi.nlm.nih.gov/20388444/). No NIH funding.
6. Yi, G. Y., Cook, R. J. and **Chen, B.** #. (2010). Estimating functions for evaluating treatment effects in cluster-randomized longitudinal studies in the presence of drop-out and non-compliance. *Canadian Journal of Statistics*, 38, 232--255. No NIH funding.

7. **Chen, B. #**, Yi, G. Y. and Cook, R. J. (2010). Weighted Generalized Estimating Functions for Incomplete Longitudinal Response and Covariate Data that are Missing at Random. *Journal of the American Statistical Association*, 105, 336--353. No NIH funding.
8. **Chen, B. #**, Yi, G. Y. and Cook, R. J. (2010). Analysis of Interval-Censored Disease Progression Data via Multi-State Models under a Nonignorable Inspection Process. *Statistics in Medicine*, 29, 1175--1189. PMID: [20437455](#). **Feature Article of the 29th Issue**. No NIH funding.
9. **Chen, B. #**, Yi, G. Y. and Cook, R. J. (2011). Progressive Multi-State Models for Informatively Incomplete Longitudinal Data. *Journal of Statistical Planning and Inference*, 14, 80--93. No NIH funding.
10. **Chen, B. #** and Zhou, X.H. (2011). Doubly Robust Estimates for Longitudinal Data Analysis with Missing Response and Missing Covariates. *Biometrics*, 67, 830--842. PMID: [21281272](#). No NIH funding.
11. **Chen, B. #** and Zhou, X.H. (2011). Non-homogeneous Markov Process Models with Incomplete Observations: Application to a Dementia Disease Study. *Biometrical Journal*, 53, 444--463. PMID: [21491475](#). No NIH funding.
12. **Chen, B. #** and Thompson, M. (2011). An Analysis of Intention to Quit Smoking in the ITC4 Survey Accounting for Missingness in Response and Covariate. *Proceedings of the XXVth International Survey Methodology Symposium*. No NIH funding.
13. **Chen, B. #**, Chen, Z., Wu, L., Wang, L. and Yi, G. Y. (2011). Marginal Analysis of A Population-Based Genetic Association Study of Quantitative Traits with Incomplete Longitudinal Data. *Journal of the Iranian Statistical Society (JIRSS)*, 10, 109--123. No NIH funding.
14. Liu, L., **Chen, B.**, et al. (2011). An investigation study on occupational stress and quality of life among the Chinese insurance practitioners. *Health MED*, 5(3), 557--566. No NIH funding.
15. **Chen, B. #** and Zhou, X.H. (2012). A latent variable method for marginal model with incomplete observations. *Statistics in Medicine*, 31, 3211-3222. PMID: [22733392](#).
16. **Chen, B. #**, Yi, G. Y., Cook, R. J. and Zhou, X.H. (2012). Marginal methods for clustered longitudinal binary data with incomplete covariates. *Journal of Statistical Planning and Inference*, 142, 2819-2831. PMID: [23805025](#).
17. Zhou, X.H., **Chen, B. #**, Xie, Y.M., Tian, F. and Liang, X. (2012). Variable selection using the optimal ROC curve: An application to a traditional Chinese Medicine study on osteoporosis disease. *Statistics in Medicine*, 31, 628-635. PMID: [21290404](#).
18. **Chen, B. #** and Schmid, K.K. (2012). Missing Data: A Non-ignorable Issue in Modern Biostatistics. *J Appl Bioinform Comput Bio*, 1:1. doi:10.4172/jbcg.1000e101. No NIH funding.
19. Smith-Miloff, M.L., Perkins, T.G., **Chen, B.**, et al. (2012). Abdominal MRI at 3.0T: Parallel Radiofrequency Transmission (MTX) Improves the Signal-to-Noise and Contrast-to-Noise Ratios and Body-habitus-dependent B1 Inhomogeneity. *Proceeding of International Society for Magnetic Resonance in Medicine* 20, 1283. No NIH funding.
20. **Chen, B. #** and Zhou, X.H. (2013). Generalized Partially Linear Models for Incomplete Longitudinal Data via Pseudo-Empirical Likelihood-based Method In the Presence of Population-Level Information. *Biometrics*, 69, 386-395. PMID: [23413768](#).
21. **Chen, B. #** and Zhou, X.H. (2013). A Correlated Random Effects Model for Non-homogeneous Markov Process with Nonignorable Missingness. *Journal of Multivariate Analysis*, 117, 1-13. PMID: [23828666](#).
22. **Chen, B. #** and Qin, J. (2013). A new estimation with minimum trace of asymptotic covariance matrix for incomplete longitudinal data with a surrogate process. *Statistics in medicine*, 32, 4763-4780. PMID: [23744541](#).
23. Koepsell, T. D., Gill, D. P. and **Chen, B. #**. (2013). Stability of Clinical Etiologic Diagnosis in Dementia and Mild Cognitive Impairment: Results from a Multi-Center Longitudinal Database. *American Journal of Alzheimer's Disease and Other Dementias*, 28, 750-758. PMID: [24363072](#). ***Corresponding author**.

24. **Chen, B.** # and Qin, J. (2013). Use empirical likelihood to calibrate auxiliary information in partly linear monotone regression models. *Statistics in medicine*, 33, 1713-1722. PMID: [24323567](#).
25. Allis, T. J., Owen, B. D., **Chen, B.**, Moore, G. F. (2014). Longer length BAHA abutments decrease wound complications and revision surgery. *Laryngoscope*, 124, 989-992. PMID: [24114744](#).
26. **Chen, B.** # and Qin, J. (2014). Test the reliability of doubly robust estimation with missing response data. *Biometrics*, 70, 289-298. PMID: [24571677](#).
27. Romereim, S., Conoan, N. H., **Chen, B.**, and Dudley, A.T. (2014). A dynamic cell adhesion surface regulates tissue architecture in growth plate cartilage. *Development*, 141, 2085-2095. PMID: [24764078](#).
28. Liu, W., Zhang, B. Zhang, Z, **Chen, B.** #, and Zhou, X.H. (2015). A pseudo-likelihood approach for estimating diagnostic accuracy of multiple binary medical tests. *Computational Statistics and Data Analysis*, 84, 85-98. No NIH funding.
29. **Chen, B.** #, Zhou, X.H., and Chan, G. (2015). Pseudo-empirical likelihood method using calibration for longitudinal data with drop-out. *Journal of Royal Statistical Society Series C*, 64, 157-174. PMID: [25587200](#).
30. **Chen, B.** #, Li, P., Qin, J. and Yu, T. (2016). Using a monotonic density ratio model to find the asymptotically optimal combination of multiple diagnostic tests. *Journal of the American Statistical Association*, 111, 861-874. No NIH funding.
31. Obaro SK, Hassan-Hanga F, Olateju EK, Umoru D, Lawson L, Olanipekun G, Ibrahim S, Munir H, Ihesiolor G, Maduekwe A, Ohiaeri C, Adetola A, Shetima D, Jibir BW, Nakaura H, Kocmich N, Ajose T, Idiong D, Masokano K, Ifabiyi A, Ihebuzor N, **Chen B.**, Meza J, Akindede A, Rezac-Elgohary A, Olaosebikan R, Suwaid S, Gambo M, Alter R, Davies HD, Fey PD. (2015). Salmonella bacteremia among children in central and northwest Nigeria, 2008-15. *Clinical Infectious Diseases*, 61, 325-331. PMID: [26449948](#).
32. Kaur, H., Schmidt-Grimminger, D., Remmenga, S., **Chen, B.**, Islam, K. M., and Watanabe-Galloway, S. (2015). Does human papillomavirus (HPV) affects pregnancy outcomes? A retrospective cohort study based on hospital data, 2012-2014. *International Journal of Women's Health and Wellness*, 1:006. No NIH funding.
33. Zhu, H., Wilson, F. A., Stimpson, J. P., Araz, O. M., Kim, J., **Chen, B.**, Wu, L. (2016). The Association of Gasoline Prices with Hospital Utilization and Costs for Motorcycle and Non-Motorcycle Motor Vehicle Injuries in the United States. *Medical Care*, 54, 837-844. PMID: [27116108](#).
34. Hossain, Ahmed, E. S., Yi, G. Y., and **Chen, B.** # (2016). Shrinkage and Pretest estimators in partially linear models for longitudinal data. *Journal of Nonparametrics*, 28, 531-549. No NIH funding.
35. Khanal, N., Bociek, G., **Chen, B.**, Vose, J. M., Armitage, J. O., Bierman, P. J., Maness, L. J., Lunning, M. A., Gundabolu, K., Bhatt, V. R. (2016). Venous Thromboembolism in Patients with Hematologic Malignancy and Thrombocytopenia. *American Journal of Hematology*, 91, E468-E472. PMID: [27489982](#).
36. Liu J., Luo Z., Wang L., Nie Q., Wang Z., Huang Z., Hu X., Gong L., Arrigo A. P., Zhang L., Tang X., Xiang J., Liu F., Deng M., Ji W., Hu W., Zhu J., **Chen B.**, Bridge J., Hollingsworth, M., Gigantelli J., Liu Y., Nguyen, Q. D., Li, D. W. (2016). The Small Heat Shock Protein α A-Crystallin Negatively Regulates Pancreatic Tumorigenesis. *Oncotarget*, 7(40), 65808-65824. PMID: [27588467](#).
37. Beck, J. C., **Chen, B.**, Gordon, B. G. (2017). Physician Approaches to Drug Shortages: Results of a National Survey of Pediatric Hematologist/Oncologists. *World Journal of Clinical Oncology*, 8(4) 336-342 PMID: [28848700](#).
38. Wang, H., Abbey, G., Qiu, F., Kim, J., **Chen, B.**, Wan, N., Su, D., Michaud, T., Chen, L. (2018). Breast Cancer Screening for Patients of Rural Accountable Care Organization Clinics: A Multi-Level Analysis of Barriers and Facilitators. *Journal of Community Health*, 43, 248-258. PMID: [28861654](#).

39. **Chen, B.** #, Li, P., Qin, J. (2018). Generalization of Heckman selection model to nonignorable nonresponse using call-back information. *Statistic Sinica*, 28, 1761-1785. No NIH funding.
40. Wang, Y., Wilson, F., Stimpson, J., Wang, H., David, P., **Chen, B.**, Chen, L. W. (2018). Fewer immigrants have preventable emergency department visits in the United States. *The American Journal of Emergency Medicine*, 36, 352-358. PMID: [28826639](#).
41. Wang, H., Qiu, F., Abbey, G., **Chen, B.**, Kim, J., Young, L., Wan, N., Chen, L. (2018). Barriers and Facilitators of Colorectal Cancer Screening for Patients of Rural Accountable Care Organization Clinics: A Multilevel Analysis. *Journal of Rural Health*, 34(2), 202-212. PMID: [28686787](#).
42. Bhatt, V. R., **Chen, B.**, Lee, S. J. (2018). Use of hematopoietic cell transplantation in younger patients with acute myeloid leukemia: A National Cancer Database study. *Bone Marrow Transplantation*, 53(7), 873-879. PMID: [2940302](#).
43. Bhatt, V. R., **Chen, B.**, Gyawali, B., Lee, S. J. (2018). Socioeconomic and health system factors associated with lower utilization of hematopoietic cell transplantation in older patients with acute myeloid leukemia. *Bone Marrow Transplantation*, 53, 1288-1294. PMID: [29588500](#).
44. Umakanthan, J. M., **Chen, B.**, Gundabolu, K., Bhatt, V. R. (2018). Factors associated with receipt of hematopoietic cell transplantation for acute lymphoblastic leukemia. *Future Oncology*, 14(13), 1253-1260. PMID: [29712491](#).
45. Etekpó, A.*, Alghawalby, A., Alghawalby, M., Soliman, A., Hablas, A., **Chen, B.**, Batra, S., Soliman, G. (2018). Differences in MUC4 expression in pancreatic cancers and pancreatic cysts in Egypt. *J Carcinog Mutagen*, 9 (312), 2. *Student. No NIH funding.
46. Kaur, H., Schimdt-Grimming, D., **Chen, B.**, Islam, M., Remmenga, S., High, R., Watanabe-Galloway, S. (2018). HPV Prevalence and Its association with Perinatal Outcomes among Singleton Mothers: Analysis of Pregnancy Risk Assessment and Monitoring System (PRAMS) Data, 2004-2011. *Current Women's Health Reviews*, 15, 143-149. No NIH funding.
47. Peng, T*., **Chen, B.**, Pettee Gabriel, K. (2018). Utilization of Chiropractic Care in U.S. Children and Adolescents: A Cross-Sectional Study of the 2012 National Health Interview Survey. *Journal of Manipulative and Physiological Therapeutics*, 41, 725-733. *Student. No NIH funding.
48. Hsu, A., Lum, M. A., Shim, K. S., Frederick, P. J., Morrison, C. D., **Chen, B.**, Lele, S. M., Sheinin, Y. M., Daikoku, T., Dey, S. K., Lenoë, G., Black, A. R., Black, J. D. (2018). Crosstalk between PKC α and PI3K/AKT signaling is tumor suppressive in the endometrium. *Cell Reports*, 24(3) 655-669. PMID: [30021163](#).
49. Cha, E. M.*, Hoelscher, D. M., Ranjit, N., **Chen, B.**, Gabriel, K. P., Kelder, S. (2018). Effect of Media Use on Adolescent body weight. *Preventing Chronic Disease*, 14, E141. *Student. PMID: [30468423](#).
50. Qin, J., Yu, T., Li, P., Liu, H., **Chen, B.** ** (2019). Using a monotone single-index model to stabilize the propensity score in missing data problems and causal inference. *Statistics in Medicine*, 38, 1442-1458. PMID: [30566258](#). *Corresponding author.
51. **Chen, B.** #, and Alam, A. * (2019). STRETCHing HIV treatment: a replication study of task shifting in South Africa. *PloS one*, 14, e0206677. *Student. PMID: [30958829](#).
52. Lee, J.*., **Chen, B.**, Kohl, H. W., Barlow, C. E., Lee, C., Radford, N. B., Defina, L. F., Gabriel, K. P. (2019). The Association of midlife cardiorespiratory fitness with later life carotid atherosclerosis: Cooper Center Longitudinal Study. *Atherosclerosis*, 282, 137-142. PMID: [30731286](#). *Student.
53. Fan, S., Guo, T., **Chen, B.**, Xiong, J., Havens, S., Gulati, V., Toris, B. (2019). Differences in Ocular Biometrics and Aqueous Humor Dynamics Between Chinese and Caucasian Adults. *British Journal of Ophthalmology*, *bjophthalmol-2018*. PMID: [30894342](#).

54. Dhakal, P., **Chen, B.**, Giri, S., Armitage, J. O., Bhatt, V. R. (2019). Effects of center type and socioeconomic factors on early mortality and overall survival of diffuse large B-cell lymphoma. *Future Oncol*, 15, 2113-2124. PMID: [31144521](#).
55. Marsden, D. *, Loukas, A., **Chen, B.**, Perry, C., Wilkinson, A. V. (2019). Associations between frequency of cigarette and alternative tobacco product use and depressive symptoms: a longitudinal study of young adults. *Addictive Behaviors*, 99:106078. PMCID: PMC6791767. *Student.
56. Lee, J. *, **Chen, B.**, Kohl, H. W., Barlow, C. E., Lee, C., Radford, N. B., Defina, L. F., Gabriel, K. P. (2019). The Association of Physical Activity with Carotid Intima Media Thickness (IMT) in an Older Population: Cooper Center Longitudinal Study. *Journal of Aging and Physical Activity*, Dec 3: 1-7. PMCID: PMC7266725. *Student.
57. Lee, J. *, **Chen, B.**, Kohl, H. W., Barlow, C. E., Lee, C., Radford, N. B., Defina, L. F., Gabriel, K. P. (2019). The association of self-reported muscle strengthening activities with carotid intima media thickness (IMT) in an older adults: Cooper Center Longitudinal Study. *Journal of Aging and Physical Activity*, Dec 6: 1-6. *Student. PMID: [31810061](#).
58. Pérez, A., Bluestein, M., **Chen, B.**, Perry, C.L., Harrell, M.B. (2020). Prospectively Estimating The Age Of Initiation Of E-Cigarettes Among U.S. Youth: Findings From The Population Assessment Of Tobacco And Health (PATH) Study, 2013-2017. *Journal of Biometrics and Biostatistics*. DOI: 10.37421/jbmbms.2020.11.442. PMCID: in process.
59. Rogers, S. M. *, Loukas, A., Harrell, M. B., **Chen, B.**, Springer, A., Perry, C. L. (2021). Multidirectional pathways of tobacco and marijuana use, including comorbid use, among young adults (aged 18–25 years) in Texas: A six-wave cross-lagged model. *Journal of Adolescent Health*, 68, 116-122. PMCID: PMC7755747. *Student.
60. Sumbe, A. *, Clendennen, S. L., Opara, S. C., Jackson, C. D., **Chen, B.**, Wilkinson, A. V., Harrell, M. B. (2021). ENDS device type and initiation of combustible tobacco products among adolescents. *Nicotine & Tobacco Research*, 23, 479-486. PMCID: PMC7885774. *Student.
61. **Chen, B.** #, Yuan, A. and Yi, G. (2020). Variable Selection for Proportional Hazards Models with High Dimensional Covariates subject to Measurement Error. *Canadian Journal of Statistics*, <https://doi.org/10.1002/cjs.11568>. No NIH funding.
62. Mantey, D. S. *, Harrell, M. B., **Chen, B.**, Kelder, S. H., Perry, C., Loukas, A. (2021). A Longitudinal Examination of Behavioral Transitions among Young Adult Menthol and Non-Menthol Cigarette Smokers Using a Three-State Markov Model. *Nicotine Tob Res*, 23, 1047-1054. PMCID: PMC8150126. *Student.
63. Perez, A., Penedo, E., Bluestein, M., **Chen, B.**, Perry, C. L., Harrell, M. B. (2020). The Recalled Age of Initiation of Multiple Tobacco Products Among 26-34 Year Olds: Findings From the Population Assessment of Tobacco and Health (PATH) Study Wave 1 (2013-2014). *Int J Environ Res Public Health*. 2020 Dec 3;17(23). PubMed PMID: PMC7730647.
64. **Chen, B.**, Sterling, K. L., Bluestein, M. A., Kuk, A., Harrell, M. B., Perry, C. L., Perez, A. (2020). Age of initiation of cigarillos, filtered cigars and/or traditional cigars among youth: findings from the population assessment of tobacco and health study, 2013-2017. *PLOS ONE*, 15(12):e0243372. PMCID: PMC7725294.
65. Mantey, D. S. *, Harrell, M. B., **Chen, B.**, Kelder, S. H., Perry, C., Loukas, A. (2021). Multiple Tobacco Product Use among Cigarette Smokers: A Longitudinal Examination of Menthol and Non-Menthol Smokers During Young Adulthood. *Tobacco Control*, DOI: [10.1136/tobaccocontrol-2020-055922](https://doi.org/10.1136/tobaccocontrol-2020-055922). PMCID: PMC8280244. *Student.
66. Rogers, S. M. *, Harrell, M. B., **Chen, B.**, Springer, A., Loukas, A., Perry, C. L. (2021). Multi-Directional Pathways of Tobacco and Marijuana Use, including Comorbid Use, among a Population-Based Cohort of Adolescents in Texas: A Six Wave Cross-lagged Model. *Addictive Behaviors*, 115:106771. *Student.

67. Perez, A., Kuk, A., Bluestein, M., Harrell, M. B., Perry, C. L., **Chen, B.** (2021). Prospective estimation of the age of initiation of hookah use among youth: findings from the Population Assessment of Tobacco and Health (PATH) study waves 1-4 (2013-2017). *Addictive Behaviors*, Jun;117:106838. PMID: PMC7956064.
68. **Chen, B.** #, Yuan, A., Qin, J. (2021). Using the accelerated failure time model to analyze current status data with misclassified covariates. *Electronic Journal of Statistics*, 15, 1372-1394. No NIH funding.
69. Bataineh, B. *, Wilkinson, A., V., Case, K. R., Clendennen, S. L., Sumbe, A., **Chen, B.**, Harrell, M. B. (2021). Emotional Symptoms and Sensation Seeking: Implications for Tobacco Interventions for Youth and Young Adults. *Tobacco Prevention and Cessation*, 7:37. PMID: PMC8138947 ***Student.**
70. **Chen, B.** #, Qin, J. and Yuan, A. (2022). Variable selection in Box-Cox power transformation model with high dimensional space. *Journal of Statistical Planning and Inference*, 216, 15-28. No NIH funding.
71. Perez, A., N'Hpang, R, Kuk, A. E., Bluestein, M. A., Penedo, E., **Chen, B.**, Perry, C. L., Sterling, K. L., Harrell, M. B. (2021). Prospective estimation of the age of initiation of cigarettes among young adults (18-24 years old): findings from the Population Assessment of Tobacco and Health (PATH) waves 1-4 (2013-2017). *PLoS One*,16(5):e0251246. PMID: PMC8099124.
72. Pérez A, N'hpang RS, Callahan E, Bluestein M, Kuk AE, **Chen B**, Perry CL, Harrell MB. (2021). Age at Initiation of Cigarette Use in a Nationally Representative Sample of US Youth, 2013-2017. *JAMA Netw Open*, 4(2):e210218. PMID: PMC7910812.
73. Harrell, M. B., **Chen, B.**, Clendennen, S. L., Sumbe, A., Case, K. R., Wilkinson, A. V., Loukas, A., Perry, C. L. (2021). Longitudinal Trajectories of E-Cigarette Use among Adolescents: A 5-year, Multiple Cohort Study of Vaping with and without Marijuana. *Preventive Medicine*, 150: 106670. PMID: PMC8316299.
74. Mantey, D. S. *, Case, K. R., **Chen, B.**, Kelder, S. H., Loukas, A., Harrell, M. B. (2021). Subjective Experiences at E-Cigarette Initiation: Implications for E-Cigarette and Dual/Poly Tobacco Use among Youth. *Addictive Behavior*, 122: 107028. PMID: 34186298. ***Student.**
75. **Chen, B.** #, Yuan, A. and Qin, J. (2021). Pool adjacent violators algorithm assisted learning with applications in estimation optimal individualized treatment regimes. *Biometrics*, doi: 10.1111/biom.13511. No NIH funding. PMID: 34181761.
76. Jovanovic, C. E. S.*, Whitefield, J., Hoelscher, D. M., **Chen, B.**, Ranjit, N., van den Berg, A. E. (2021). Validation of the FRESH Austin Food Frequency Questionnaire Using Multiple 24-hour Dietary Recalls. *Public Health Nutrition*, May 26; 1-26. PMID: 34036934. ***Student.**
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77. Tami-Maury, I., **Chen, B.**, Sumbe, A., Harrell, M. B. (2021). Timing of ENDS Uptake by Sexual Orientation among Adolescents and Young Adults. *Tobacco Control*, Dec 4;. doi: 10.1093/ntr/ntab181. PMID: 34865138.
78. Zhang, D., Shi, L., Han, X., Li, Y., Jalajel, N. A., Patel, S., Chen, Z., Chen, L., Wen, M., Li, H., **Chen, B.**, Li, J., Su, D. (2021). Disparities in Telehealth Utilization During the COVID-19 Pandemic: Findings from a Nationally Representative Survey in the United States. *Journal of Telemedicine and Telecare*, Oct 11; :1357633X211051677. PMID: 34633882.
79. Perez, A., Kuk, A., Bluestein, M. A., **Chen, B.**, Sterling, K. L., Harrell, M. B. (2021). Age of initiation of hookah use among young adults: Findings from the Population Assessment of Tobacco and Health (PATH) study, 2013-2017. *PLoS One*, 16(10):e0258422. PMID: PMC8509879.
80. Perez, A., Bluestein, M. A., Kuk, A., **Chen, B.**, Sterling, K. L., Harrell, M. B. (2021). Age of onset of susceptibility to different tobacco products among US young adults: findings from the Population Assessment of Tobacco and Health (PATH) waves 2-4 (2014-2017). *Tobacco Use Insights*, 14:1179173X211065643. PMID: PMC8671673.
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83. Sumbe, A., Wilkinson, A. V., Clendennen, S. L., Bataineh, B., **Chen, B.**, Sterling, K. L., Harrell, M. B. (2022). Association of tobacco and marijuana use with symptoms of depression and anxiety among adolescents and young adults in Texas. *Tobacco Prevention and Cessation*, 2022; 8:3. DOI: <https://doi.org/10.18332/tpc/144500>. PMID: PMC8792993.
84. Li, H., **Chen, B.**, Chen, Z., Su, D. (2021). Americans' Trust in COVID-19 Information from the Government and its Association with the Adoption of Preventive Measures. *Health Communication*, accepted.
85. Pérez, A., Kuk, A. E., Bluestein, M.A., **Chen, B.**, Harrell, M.B. (2021). Age of initiation of smokeless tobacco use among young adult: Findings from the Population Assessment of Tobacco and Health (PATH) study (2013-2017). *Tobacco Prevention and Cessation*, accepted.
86. **Chen, B.**, Sterling, K. L., Bluestein, M. A., Penedo, E., Kuk, A., Harrell, M. B., Perry, C. L., Perez, A. (2022). Age of initiation of cigarillo use among young adults: findings from the Population Assessment of Tobacco and Health (PATH) study, 2013-2017. *PLOS ONE*, accepted.
87. Peng, T. *, **Chen, B.**, Brown, S., Pettee Gabriel, K. (2019). National trends in the use and expenditure of chiropractic therapy in U.S. children and adolescents: data from the 2007-2016 Medical Expenditure Panel Survey. *Journal of Manipulative and Physiological Therapeutics*, Accepted. ***Student.**

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88. Shi, L., Zhang, D., Martin, E., Chen, Z., Li, H., Han, X., Wen, M., Chen, L., Li, Y., **Chen, B.**, Ramos, A. K., King, K. M., Michaud, T., Su, D. (2022). Racial Discrimination, Mental Health and Behavioral Health during the COVID-19 Pandemic: a National Survey in the United States. *Journal of General Internal Medicine*, accepted.
89. Mantey, D. M., Omega-Njemnobi, O, Ruiz, F. A., **Chen, B.**, Springer, A. E., Kelder, S. H. (2021). Remote versus In-Person Learning During COVID-19: Comparison of E-Cigarette Susceptibility and Ever Use among a diverse cohort of 6<sup>th</sup> grade Students in Texas. *Nicotine & Tobacco Research*. Accepted.
90. Kuk, A.E., Bluestein, M.A., **Chen, B.**, Harrell, M., Spells, C.E., Atem, F., Pérez, A. (2022). The effect of perceptions of hookah harmfulness and addictiveness on the age of initiation of hookah use among Population Assessment of Tobacco and Health (PATH) youth. *International Journal of Environmental Research and Public Health*, 19(9): 5034. <https://doi.org/10.3390/ijerph19095034>.
91. Weerakoon, S. M. \*, **Chen, B.**, Harrell, M. B., Vidot, C., Messiah, S. E. (2022). Effect of In-Utero Polysubstance Exposure on Adolescent Cardiovascular Disease Risk: Results from the Maternal Lifestyle Study. *Progress in Pediatric Cardiology*, Accepted. **\*Student.**

**Papers submitted to peer review journals:**

92. Yu, T., **Chen, B.**\* #, Li, P., Qin, J. (2021). Pseudo-likelihood-based inference for the semiparametric transformation model. Under review. **\*Corresponding author.**
93. Li, P., Yu, T., **Chen, B.**\* #, Qin, J. (2021). Maximum profile binomial likelihood estimation for the semiparametric Box-Cox power transformation model. Under review. **\*Corresponding author.**

94. Mantey, D. S., Chido-A, O. G., **Chen, B.** (2020). School-Based Tobacco Prevention Programs in 38 Low- & Middle-Income Countries from 2014 to 2017. *Pediatrics*, under review.
95. Jovanovic, C. E. S., **Chen, B.**, Ranjit, N., van den Berg, A. E., Hoelscher, D. M. (2021). The Association of Plant-Based Food and Metabolic Syndrome Using NHANES 2015-2016 Data. Submitted.
96. Smith, J., Clendennen, S. L., Sumbe, A., **Chen, B.**, Wilkinson, A. V., Harrell, M. B. (2021). Symptoms of Depression and Anxiety Predict Use of Electronic Nicotine Delivery Systems.
97. Mantey, D. S., **Chen, B.**, Ranjit, N., Gill, M., Hoelscher, D. (2021). Participation in Meal Preparation is Associated with Nutrition Label Use and Healthy Eating Perceptions among Adolescents. *Appetite*, under review.
98. Atem, F., Bluestein, M.A., Harrell, M. B., **Chen, B.**, Messiah, S., Kuk, A. E., Sterling, K., Spells, C. E., Perez, A. (2021). Precise estimation for the age of initiation of tobacco use among US youth: Findings from the Population Assessment of Tobacco and Health (PATH) study, 2013-2017.
99. **Chen, B.** #, Yuan, A. and Qin, J. (2021). A Calibration method to stabilize the estimation in missing data and causal inference. *Biometrics*, Submitted.
100. Niu, L., Zhang, D., Shi, L., Han, X., Chen, Z., Chen, L., Wen, M., Li, H., **Chen, B.**, Li, J., Su, D., Li, Y. (2022). Racial Disparities in Sleep Quality under the Dual Pandemics of COVID-19 and Racism: Findings from A Nationally Representative Survey in the United States. Submitted.
101. Pérez, A., Bluestein, M.A., Kuk, A. E., **Chen, B.**, Harrell, M.B. (2021). Internalizing and externalizing problems on the age of e-cigarette initiation in youth: Findings from the Population Assessment of Tobacco and Health (PATH), 2013-2017. Submitted.
102. Weerakoon, S. M.\* **Chen, B.**, Harrell, M. B., Vidot, C., Messiah, S. E. (2021). Effect of In-Utero Polysubstance Exposure on Anthropometric Growth: A Longitudinal Growth Curve Analysis using Results from the Maternal Lifestyle Study Cohort. Submitted.
103. Weerakoon, S. M.\* **Chen, B.**, Harrell, M. B., Vidot, C., Messiah, S. E. (2021). Racial and ethnic disparities in chronic disease risk in adolescence after prenatal drug exposure. Submitted.
104. Clendennen, S., **Chen, B.**, Sumbe, A., Harrell, M. B. (2021). Patterns in Mental Health Symptomatology and Cigarette, E-cigarette, and Marijuana Use among Texas Youth and Young Adults Amid the COVID-19 Pandemic. Submitted.
105. Zhang, D., Li, G., Shi, L., Martin, E., Chen, Z., Li, J., Chen, L., Li, Y., Wen, M., **Chen, B.**, Li, H., Su, D., Han, X. (2022). The association between racial discrimination and delayed or forgone care amid the COVID-19 pandemic.
106. **Chen, B.**, Spells, C., Bluestein, M. A., Kuk, A. E., Harrell, M. B., Perez, A. (2021). The impact of perceptions of harmfulness and addictiveness on the age of initiation of cigar product use among youth: Findings from the Population Assessment of Tobacco and Health (PATH) study, 2013-2017. Submitted.
107. Jovanovic, C. E. S., Hoelscher, D. M., **Chen, B.**, Ranjit, N., van den Berg, A. E. (2022). Motivations to Reduce Consumption of Meat in a Low-income, Hispanic Population. Submitted.
108. ... **Chen, B.**,.....Perceived Racism and Its Coping among American Adults during the COVID-19 Pandemic.
109. Perez, A., Bluestein, M. A., Harrell, M., Hebert, E., **Chen, B.**, Kuk, A. E., Spells, C. E. (2022). Associations between perceptions of e-cigarette harmfulness and addictiveness and the age of e-cigarette initiation among the Population Assessment of Tobacco and Health (PATH) youth. *Addictive Behaviors*, submitted.
110. Mantey, D.,... **Chen, B.**... (2022). Impact of the “e-cigarette era” on cigarette smoking among youth: A population-based study.
111. Alshehri, K, Ern, J., Chen, B., Chen, L., Chen, Z., Han, X., King, K., Li, H., Li, Y., Michaud, T., Shi, L., Ramos, A. K., Wen, M., Zhang, D., Su, D. (2022). Racism Experience among

American Adults during COVID-19: a Mixed-Methods Study. Preventive Medicine, Submitted.

#### **Books and book chapters:**

1. **Chen, B.** and Cook, R. J. (2011). Strategies for Bias Reduction in Estimation of Marginal Means with Data Missing at Random. *Optimization and Data Analysis in Biomedical Informatics*. Ed: Panos Pardalos. American Mathematics Society.
2. Zhang, C., Maroufy, **Chen, B.**, Wu, H. (2020). Missing Data Issues in EHR.

#### **Other Publications and technical reports:**

1. **Chen B.**, G. Y. Yi, and R. J. Cook (2007). Likelihood Analysis of Joint Marginal and Conditional Models for Longitudinal Categorical Data. Working paper 2007-05, Department of Statistics and Actuarial Science, University of Waterloo.
2. **Chen B.**, G. Y. Yi, and R. Cook (2008). Analysis of Interval-Censored Disease Progression Data via Multi-State Models under a Nonignorable Inspection Process. Working paper 2008-01, Department of Statistics and Actuarial Science, University of Waterloo.
3. **Chen B.**, G. Y. Yi, and R. Cook (2008). Weighted Generalized Estimating Functions for Incomplete Longitudinal Response and Covariate Data. Working paper 2008-06, Department of Statistics and Actuarial Science, University of Waterloo.
4. Zhou, X.H. and **Chen, B.** (2011). Non-Homogeneous Markov Process Models with Incomplete Observations: Application to a Dementia Disease Study. Technical Report, Department of Biostatistics, University of Washington.
5. **Chen, B.**, Zhou, X.H. (2011). Doubly Robust Estimates for Binary Longitudinal Data Analysis with Missing Response and Missing Covariates. Technical Report, Department of Biostatistics, University of Washington.

#### **Abstracts published:**

1. Kaur, H., Remmenga, S., Remmenga, S. W., Schmidt-Grimminger, D., **Chen, B.**, Islam, K. M., and Watanabe-Galloway, S. (2015). Does human papillomavirus affect pregnancy outcomes? An analysis of hospital data 2012-2014. Poster for SER conference.
2. Khanal, N., Bociek, G., **Chen, B.**, Vose, J. M., Armitage, J. O., Bierman, P. J., Maness, L. J., Lunning, M. A., Gundabolu, K., Bhatt, V. R. (2015). Use of Low Molecular Weight Heparin (LMWH) in Thrombocytopenic Patients with Hematologic Malignancy-Associated Venous Thromboembolism (VTE). Poster for ASH 2015.
3. Hsu, A. H., Curry, K. J., Shim, K. S., Frederick, P., Morrison, C. D., **Chen, B.**, Lele, S., Leone, G., Black, A. R., and Black, J. D. (2015). Protein kinase C alpha (PKC $\alpha$ ) signaling in endometrial cancer. Proceedings of the 106th Annual Meeting of the American Association for Cancer Research; 2015 Apr 18-22; Philadelphia, PA. Philadelphia (PA): AACR; Cancer Res 2015;75(15 Suppl):Abstract nr 4720. doi:10.1158/1538-7445.AM2015-4720.
4. Makhija, C., Mack, L. R., Rochling, F., **Chen, B.**, Hultgren, T. L., Larsen, J. L. (2015). Treatment of Vitamin D Deficiency in Intestinal Rehabilitation Clinic Patients with Portable Ultraviolet -B Lamp. THR-251, Endocrine Society's 97th annual meeting and Expo, March 5-8, 2015 - San Diego. *Endocrine Reviews* 2015: 36(2).
5. Khanal, N., Bociek, G., **Chen, B.**, Vose, J. M., Armitage, J. O., Bierman, P. J., Maness, L. J., Lunning, M. A., Gundabolu, K., Bhatt, V. R. (2015). Use of Low Molecular Weight Heparin (LMWH) in Thrombocytopenic Patients with Hematologic Malignancy-Associated Venous Thromboembolism (VTE). *Blood* 2015 126:3482.
6. Bhatt, V. R., **Chen, B.**, Lee, S. (2016). Hematopoietic cell transplantation (HCT) in older patients with acute myeloid leukemia (AML). *J Clin Oncol* 34, 2016 (suppl; abstr e18026).
7. Bhatt, V. R., **Chen, B.**, Lee, S. (2016). Determinants of receipt of hematopoietic cell transplantation (HCT) in younger patients with acute myeloid leukemia (AML). *J Clin Oncol* 34, 2016 (suppl; abstr e18027).

8. Khanal, N., Bociek, G., **Chen, B.**, Vose, J., Armitage, J. O., Bierman, P. J., Maness, L. J., Lunning, M. A., Gundabolu, K., Bhatt, V. R. (2016). Low Molecular Weight Heparin (LMWH) Use in Patients with Hematologic Malignancy-Associated Venous Thromboembolism (VTE) and Severe Thrombocytopenia *J Clin Oncol* 34, 2016 (suppl; abstr e21588).
9. Kallam A, Vose JM, **Chen B**, Armitage JO, Bhatt VR. Risk of 30-Day Mortality and Its Association with Health System and Socioeconomic Factors in Diffuse Large B Cell Lymphoma (DLBCL). 58th ASH Annual Meeting. December 3-6, 2016, San Diego, CA.
10. Kallam A, Armitage JO, **Chen B**, Vose JM, Bhatt VR. Center Effect and Socioeconomic Determinants of Overall Survival (OS) of Diffuse Large B Cell Lymphoma (DLBCL). 58th ASH Annual Meeting. December 3-6, 2016, San Diego, CA.
11. Fan, S., Guo, T., **Chen, B.**, Xiong, J., Wang, F., Carol T. (2017). Comparison of Aqueous Humor Dynamics Among Chinese and Caucasian Adults. *The Association for Research in Vision and Ophthalmology* (ARVO). May 7-11, 2017, Baltimore, MD.
12. Toris, C., **Chen, B.**, Xiong, J., Fan, S., Wang, F., Guo, T. (2017). Differences in Aqueous Humor Dynamics Among Chinese and Caucasian Adults. Abstract for the *American Glaucoma Society* 27th Annual Meeting. March 2-5, 2017, Coronado, CA.
13. Peng, T., **Chen, B.**, Pettee Gabriel, K. (2018). Utilization and chiropractic care in U.S. children and adolescents: results from the 2012 National Health Interview Survey (NHIS). 2018 Association of Chiropractic Colleges Research Annual Conference (ACC-RAC). Dallas, TX. March 8-10, 2018.
14. Peng, T., **Chen, B.**, Pettee Gabriel, K. (2018). Reasons and referral sources for chiropractic utilization in U.S. children and adolescents: results from the 2012 National Health Interview Survey (NHIS). 2018 Association of Chiropractic Colleges Research Annual Conference (ACC-RAC). Dallas, TX. March 8-10, 2018.
15. Loukas, A., Marsden, D.G., Marti, C.M., **Chen, B.**, Wilkinson, A.V., Harrell, M.B., & Perry, C.L (February, 2019). ENDS use predicts longitudinal transitions in cigarette smoking across 2.5 years among young adults. The 2019 Society for Research on Nicotine & Tobacco.
16. Peng, T., **Chen, B.**, Brown, S., Pettee Gabriel, K. (March 2019). National trends in the use and expenditure of chiropractic therapy in U.S. children and adolescents: data from the 2007-2016 Medical Expenditure Panel Survey. World Federation of Chiropractic (WFC) - European Chiropractic Union (ECU) conference. Berlin, Germany.
17. Harrell, M. B., Jackson, C., **Chen, B.**, Loukas, A. L., Perry, C. L. (February, 2019). Stable trajectories of ENDS use across adolescence and their relationship with cigarette smoking. The 2019 Society for Research on Nicotine & Tobacco Annual Meeting.
18. **Chen, B.**, Sterling, K., Bluestein, M., Harrell, M., Perry, C. L., Perez, A. (March, 2020). Age of initiation of traditional cigars, filtered cigars and/or cigarillos among youth in the United States 2013-2016. The 2020 Society for Research on Nicotine & Tobacco Annual Meeting.
19. Perez, A., Bluestein, M., **Chen, B.**, Perry, C. L., Harrell, M. (July, 2020). The association of exposure to and engagement with tobacco-related social media content and the age of initiation of e-cigarettes among USA adolescents in 2013-2017. The 2020 International Biometric Conferences.
20. Bluestein, M., **Chen, B.**, Perry, C. L., Perez, A. (March, 2020). Methodology for prospectively estimating age of initiation of E-cigarettes using interval censoring. The 2020 Society for Research on Nicotine & Tobacco Annual Meeting.
21. Rangwala, S., Clendennen, S. L., Case, K. R., Sumbe, A., **Chen, B.**, Wilkinson, A. V., Harrell, M. B. (March, 2020). Tobacco and marijuana use among young adult: a qualitative approach to understanding EVALI risk. The 2020 Society for Research on Nicotine & Tobacco Annual Meeting.
22. Harrell, M. B., **Chen, B.**, Clendennen, S. L., Sumbe, A., Rangwala, S., Wilkinson, A. V. (March, 2020). Tobacco and marijuana use among young adult: a qualitative approach to understanding EVALI risk. The 2020 Society for Research on Nicotine & Tobacco Annual Meeting.
23. Harrell, M. B., Clendennen, S. L., Sumbe, A., **Chen, B.**, Perez, A., Pasch, K., Loukas, A., Wilkinson, A. V., Perry, C. L. (February, 2021). The Texas Adolescent Tobacco Marketing

- and Surveillance System (TATAMS): A “Rapid-Response” Approach to Measuring E-cigarette and Other Tobacco Use among Young People.  
The 2021 Society for Research on Nicotine & Tobacco Annual Meeting.
24. Sumbe, A., Wilkinson, A. V., **Chen, B.**, Clendennen, S. L., Harrell, M. B. (February, 2021). Association of Comorbidity of Anxiety and Depressive Symptoms with Tobacco and Marijuana Use Among Texas Youth. The 2021 Society for Research on Nicotine & Tobacco Annual Meeting.
  25. Bluestein, M. A., **Chen, B.**, Harrell, M. B., Sterling, K., Kuk, A., Perez, A. (February, 2021). The association of Internalizing and Externalizing Problems on the Age of E-cigarette Initiation in the Population Assessment of Tobacco and Health (PATH) USA Youth (2013-2017). The 2021 Society for Research on Nicotine & Tobacco Annual Meeting.
  26. Penedo, E, Bluestein, M., **Chen, B.**, Harrell, M. B., Perez, A. (February, 2021). Associations between total nicotine equivalents biomarker urine levels and nicotine dependence scores for exclusive past 30-day E-cigarette users: findings from the Population Assessment of Tobacco and Health (PATH) study wave 1 (2013-2014) data. The 2021 Society for Research on Nicotine & Tobacco Annual Meeting.
  27. **Chen, B.**, Sterling K., Bluestein, M., Harrell, M. B., Penedo, E., Perez, A. (February, 2021). Age of initiation of cigarillos among young adult in the United States 2013-2017. The 2021 Society for Research on Nicotine & Tobacco Annual Meeting.
  28. Perez, A., Kuk, A. E., **Chen, B.**, Bluestein, M. A., Harrell, M. B., Perry, C. L. (February, 2021). Estimation of the age of first report of hookah use among adolescents in the USA using the Population Assessment of Tobacco and Health (PATH) study waves 1-4 (2013-2017). The 2021 Society for Research on Nicotine & Tobacco Annual Meeting.
  29. Tami-Maury, I., **Chen, B.**, Sumbe, A., Harrell, M. B. (February, 2021). Differences in electronic nicotine delivery systems initiation among adolescents transitioning into young adulthood by sexual orientation. The 2021 Society for Research on Nicotine & Tobacco Annual Meeting.
  30. Bluestein, M. A., Harrell, M. B., **Chen, B.**, Perez, A. (2022). Internalizing and Externalizing Problems on the Age of E-cigarette Initiation in the Population Assessment of Tobacco and Health (PATH) USA Youth (2013-2017). The 2022 Society for Research on Nicotine & Tobacco Annual Meeting.
  31. Bluestein, M. A., **Chen, B.**, Kuk, A. E., Harrell, M. B., Sterling, K., Perez, A. (2022). Perceptions of harmfulness and addictiveness of e-cigarette on the age of e-cigarette initiation in the Population Assessment of Tobacco and Health youth (2013-2017). ). The 2022 Society for Research on Nicotine & Tobacco Annual Meeting.
  32. Perez, A., Kuk, A. E., Bluestein, M. A, Harrell, M. B., **Chen, B.** (2022). Perceptions of harm and addictiveness of Hookah on the age of initiation of Hookah use among USA youth. The 2022 Society for Research on Nicotine & Tobacco Annual Meeting.
  33. **Chen, B.**, Spells. C., Bluestein, M. A., Kuk, A. E., Harrell, M. B., Atem, F., Perez, A. (2022). Perceptions of harm and addiction on the age of cigar use among youth: Findings from the Population Assessment of Tobacco and Health youth (2013-2017). The 2022 Society for Research on Nicotine & Tobacco Annual Meeting.
  34. Harrell, M.B., **Chen, B.**, Clendennen, S. L., Sumbe, A., Perez, A., Case, K. R., Wilkinson, A. V., Loukas, A. (2022). Differences in cigarette smoking and other combustible tobacco use by patterns of ENDS use across adolescence. The 2022 Society for Research on Nicotine & Tobacco Annual Meeting.
  35. Atem, F., Bluestein, M.A., Harrell, M. B., **Chen, B.**, Messiah, S., Kuk, A. E., Sterling, K., Spells, C. E., Perez, A. (2021). Precise estimation for the age of initiation of tobacco use among US youth: Findings from the Population Assessment of Tobacco and Health (PATH) study, 2013-2017. The 2022 Society for Research on Nicotine & Tobacco Annual Meeting.
  36. Wen, M., ..., **Chen, B.**, et al. (2022). Racial and ethnic disparities in lifestyle changes during the COVID-19 pandemic: Exploring the socioeconomic and psychosocial mechanisms. ASCO annual meeting. June, 2022, Chicago.

### PROFESSIONAL MEMBERSHIPS:

- American Statistical Association
- International Biometric Society
- International Chinese Statistical Association
- Statistical Society of Canada
- Children's Oncology Group

### INTERNAL SERVICE:

- University of Texas Health Center at Houston (UTHealth)
  - Student Admission Committee at Department of Biostatistics, SPH, UTHealth, 2016-present.
  - **Chen, B.** (2016). Promoting Master and Doctoral program in Biostatistics (Student recruitment). University of Texas at Austin, Department of Mathematics. November, Austin, Tx.
  - Methodological Research Committee at Department of Biostatistics and Data Science, SPH, UTHealth 2017-present.
  - **Chen, B.** (2017). Promoting Master and Doctoral program in Biostatistics (Student recruitment). The Huston-Tillotson University, Department of Mathematics. October, Austin, Tx.
  - **Chen, B.** (2018). Student recruitment service in the Huston-Tillotson University's Graduate Fair. October, Austin, Tx.
  - Collaboration and Consulting Committee at Department of Biostatistics and Data Science, SPH, UTHealth 2019-present.
  - Faculty Council Representative of Austin Campus at SPH, UTHealth 2019-present.
  - SPH Award Committee, SPH, UTHealth 2021-present.
- University of Nebraska Medical Center (UNMC)
  - Infectious Disease Certificate Committee at UNMC, 2011-2016
  - Curriculum Committee in the College of Public Health at UNMC, 2012-2015
  - UNMC Graduate Studies Assistantship/Fellowship Competition, Reviewer, 2016
  - Scholarship Committee in the College of Public Health at UNMC, 2016

### PROFESSIONAL SERVICE AND ACTIVITIES:

- Program Committee Member for International Chinese Statistical Association's Symposium, 2019-2020.
- Austin Site Lead for 2019 StatFest, American Statistical Association.
- Committee Member for Pierre Robillard Award (for the best PhD thesis), Statistical Society of Canada, 2009—2010
- Early Career Reviewer (ECR) at the Center for Scientific Review (CSR), National Institute of Health, 2012—present
- Publications Committee, National Alzheimer's Coordinating Center, 2009—2010
- **Editorial Board Member** of the Journal of Applied Bioinformatics & Computational Biology, 2011—present
- **Editorial Board Member** of the *Annals of Biometrics & Biostatistics*, 2013—present
- **Associate Editor** for Biostatistics & Epidemiology, the official journal of International Biometric Society - Chinese Region, 06/2017-Present
- Referee for *Journal of the American Statistical Association*

- Referee for *Biometrics*
- Referee for *Biometrika*
- Referee for *Canadian Journal of Statistics*
- Referee for *Health Services and Outcomes Research Methodology*
- Referee for *Computational Statistics and Data Analysis*
- Referee for *Journal of Statistical Planning and Inference*
- Referee for *Statistics in Medicine*
- Referee for *Journal of Applied Probability and Statistics*
- Referee for *Metrika*
- Referee for *Mathematical Review*
- Referee for *Journal of Multivariate Analysis*
- Referee for *Journal of Mathematics and Statistics*
- Referee for *Science China Mathematics*
- Referee for *Bulletin of the Malaysian Mathematical Sciences Society*
- Referee for *Statistical Methods and Applications*
- Referee for *Journal of Computational and Graphical Statistics (JCGS)*
- Referee for *Journal of Business & Economic Statistics*
- Referee for *Journal of Statistical Computation and Simulation*
- Referee for *Haceteppe Journal of Mathematics and Statistics*
- Referee for *Annals of the Institute of Statistical Mathematics*
- Referee for *Statistics and Probability Letters*
- Referee for *Statistica Sinica*
- Referee for *Sankhya*
- Referee for *Science China Mathematics*
- Referee for *Statistics*
- Referee for *Survey Methodology*
- Referee for *Australia and New Zealand Journal of Statistics*
- Referee for *Statistics and its Interface*
- Referee for *Journal of Applied Statistics*
- Referee for *Journal of Statistical Computation and Simulation*

## INVITED TALKS AND PRESENTATIONS:

### INVITED TALKS (as a presenter)

1. **Chen, B.**, Yi. G. Y., and Cook, R. J. (2008). Likelihood Analysis of Joint Marginal and Conditional Models for Longitudinal Categorical Data. *Eastern North American Region (ENAR) Spring Meetings*. Invited talk. March, Arlington, Virginia.
2. **Chen, B.**, Yi. G. Y., and Cook, R. J. (2009). Statistical Methods for Multiple-State Analysis of Incomplete Longitudinal Data. *Statistical Society of Canada Conference*. Invited talk. June, Vancouver, Canada.
3. **Chen, B.**, Yi. G. Y., and Cook, R. J. (2009). Weighted Generalized Estimating Functions for Incomplete Longitudinal Response and Covariate Data. *Emerging Issue in the Analysis of Longitudinal Data, Banff workshop*. Invited talk. August, Banff, Canada.
4. **Chen, B.**, and Thompson, M. (2009). Longitudinal Studies with Missing Response and Missing Covariate: an Application to the ITC4 Survey Study. *XXVth International Methodology Symposium*. Invited talk. October, Ottawa, Canada.
5. **Chen, B.**, Yi. G. Y., and Cook, R. J. (2010). Weighted Generalized Estimating Functions for Longitudinal Response and Covariate Data which are Missing at Random. *University of Washington*, Invited talk. January, Seattle, Washington.



6. **Chen, B.**, Yi. G. Y., and Cook, R. J. (2010). Weighted Generalized Estimating Functions for Longitudinal Response and Covariate Data which are Missing at Random. *Fred Hutchinson Cancer Research Center*. Invited talk. June, Seattle, Washington.
7. **Chen, B.**, and Zhou. X.H. (2011). Doubly Robust Estimates for Longitudinal Data Analysis with Missing Response and Missing Covariates. *Eastern North American Region (ENAR) Spring Meetings*. Invited talk. March, Miami, Florida.
8. **Chen, B.** (2011). Doubly Robust Estimates for Longitudinal Data Analysis with Missing Response and Missing Covariates. *University of Nebraska Lincoln*. Invited talk. November, Lincoln, Nebraska.
9. **Chen, B.**, Zhou. X.H., and Chan, G. (2012). Pseudo-empirical Likelihood-Based Method Using Calibration for Longitudinal Data with Drop-Out. *International conference and exhibition on Biometrics and Biostatistics*. Invited talk. May, Omaha, Nebraska.
10. **Chen, B.** (2012). Statistical Methods for Multi-State Analysis of Incomplete Longitudinal Data. *University of Nebraska Medical Center*. Invited talk. March, Omaha, Nebraska.
11. **Chen, B.**, and Zhou. X.H. (2012). Doubly robust estimates for binary longitudinal data with missing response and missing covariates. *University of Nebraska Medical Center*. Invited talk. September, Omaha, Nebraska.
12. **Chen, B.**, and Qin, J. (2013). Test the reliability of doubly robust estimation with missing response data. *University of Waterloo*. Invited talk. October, Waterloo, Canada.
13. **Chen, B.**, and Qin, J. (2014). Test the reliability of doubly robust estimation with missing response data. *University of Nebraska Medical Center*. Invited talk. September, Omaha, Nebraska.
14. **Chen, B.**, and Qin, J. (2014). A new estimation with minimum trace of asymptotic covariance matrix for incomplete longitudinal data with a surrogate process. Joint Applied Statistics Symposium of International Chinese *Statistical Association (ICSA)* and the Korean International *Statistical Society (KISS)*. Invited talk. June, Portland, Oregon.
15. **Chen, B.**, and Qin, J. (2015). Test the reliability of doubly robust estimation with missing response data. *Applied Statistics Symposium of International Chinese Statistical Association (ICSA)*. Invited talk. June, Fort Collins, Denver.
16. **Chen, B.**, Li, P., Qin, J. and Yu, T. (2015). Using a monotonic density ratio model to find the asymptotically optimal combination of multiple diagnostic tests. *University of Nebraska-Lincoln*. Invited Talk. September, Lincoln, Nebraska.
17. **Chen, B.**, Li, P., Qin, J. and Yu, T. (2015). Using a monotonic density ratio model to find the asymptotically optimal combination of multiple diagnostic tests. *Union Pacific Company*. Invited Talk. October, Omaha, Nebraska.
18. **Chen, B.**, Li, P., Qin, J. and Yu, T. (2016). Using a monotonic density ratio model to find the asymptotically optimal combination of multiple diagnostic tests. *Applied Statistics Symposium of International Chinese Statistical Association (ICSA)*. Invited talk. June, Atlanta, Georgia.
19. **Chen, B.** (2016). Task shifting of antiretroviral treatment from doctors to primary-care nurses in South Africa (STRETCH): A procedural replication of Fairall, et al. (2012). *HIV Research for Prevention 2016*. Invited Talk. October, Chicago, IL.
20. **Chen, B.**, Qin, J., Yuan, A. (2017). Using the accelerated failure time model to analyze current status data with misclassified covariates. *Life Time Data Science Conference*. Invited Talk. May, UConn, CT.
21. **Chen, B.** (2017). Task shifting of antiretroviral treatment from doctors to primary care nurses in South Africa (STRETCH): a pragmatic parallel cluster-randomised trial. 3ie Research Transparency Event, Research Transparency & Replication – HIV Prevention & Treatment. Invited Talk. November 2017, Washington DC.
22. **Chen, B.** (2018). Generalization of Heckman selection model to nonignorable nonresponse using call-back information. The 2<sup>nd</sup> international conference on Economics and Statistics. Invited Talk. June, Hongkong, China.
23. **Chen, B.** (2018). Statistical Methods for Multi-State Analysis of Incomplete Longitudinal Data. *University of Texas at Austin*. Invited talk. December, Austin, Texas.

24. **Chen, B.** (2020). Variable Selection for Proportional Hazards Models with High Dimensional Covariates subject to Measurement Error. *ICSA 2020 Applied Statistics Symposium*. Invited talk. December, Houston, Texas.
25. **Chen, B.** (2020). Variable Selection for Proportional Hazards Models with High Dimensional Covariates subject to Measurement Error. *Joint Statistical Meeting*. Invited talk. August, Philadelphia, PA.
26. **Chen, B.**, Li, P., Qin, J. and Yu, T. (2020). Using a monotonic density ratio model to find the asymptotically optimal combination of multiple diagnostic tests. *University of North Carolina Greensboro*. Invited talk. September, Greensboro, North Carolina.
27. **Chen, B.**, Yuan, A. and Qin, J. (2021). Pool adjacent violators algorithm assisted learning with applications in estimation optimal individualized treatment regimes. *14th International Conference of the ERCIM WG on Computational and Methodological Statistics, 15th International Conference on Computational and Financial Econometrics*. Invited talk. December, King's College London, UK.

#### **OTHER TALKS (as a presenter) AND MEETING ORGANIZATIONS**

28. **Chen, B.**, Xiong, X., and Yuan Y. (2007). Case Study II: Growth of Atlantic Herring. *Statistical Society of Canada Conference*. June, St. Johns, Canada.
29. **Chen, B.**, Yi. G. Y., and Cook, R. J. (2007). Inverse Probability Weighted GEE with Auxiliary Progressive Processes. *Statistical Society of Canada Conference*. June, St. Johns, Canada.
30. **Chen, B.**, Wu, L., Chen, Z., and Wang, L. (2008). Effects of Genetic Variation on the Relationship between Diet and Cardiovascular Disease Risk. *Statistical Society of Canada Conference*. June, Ottawa, Canada.
31. **Chen, B.**, Yi. G. Y., and Cook, R. J. (2008). Analysis of Disease Progression via Multi-State Models under a Nonignorable Inspection Process. *Statistical Society of Canada Conference*. June, Ottawa, Canada.
32. **Chen, B.**, Yi. G. Y., and Cook, R. J. (2009). Marginal Methods for Longitudinal Data Arising in Clusters with Missing Covariates. *Joint Statistical Meeting*. August, Washington, DC.
33. **Chen, B.**, Yi. G. Y., and Cook, R. J. (2010). Marginal Method for Multi-level Incomplete Binary Data which are Missing at Random. *Joint Statistical Meeting*. August, Vancouver, Canada.
34. **Chen, B.** (2011). Latest developments on Analysis of Missing Data. *Joint Statistical Meeting*. Invited Session Organizer and Chair. Speakers: Drs. Xiao-Hua Zhou (University of Washington), Grace Yi (University of Waterloo), Ming-Hui Chen (University of Connecticut), Ofer Harel (University of Connecticut). August, Miami, Florida.
35. Zhou X.H and **Chen, B.** (2011). Empirical Likelihood-Based Method Using Calibration for Longitudinal Data with Drop-Out. *Joint Statistical Meeting*. August, Miami, Florida.
36. **Chen, B.** (2012). Missing Data and Causal Inference. *Joint Statistical Meeting*, Invited Session Organizer and Chair. Speakers: Drs. Roderick Little (University of Michigan), Donald Rubin (Harvard University), Xiao-Hua Zhou (University of Washington), Fabrizia Mealli, (University of Florence, Italy). August, San Diego, California.
37. **Chen, B.**, and Zhou. X.H. (2012). Doubly Robust Estimates for Longitudinal Data Analysis with Missing Response and Missing Covariates. *Innovations in Design, Analysis, and Dissemination: Frontiers in Biostatistical Methods Symposium*. April, Kansas City, Kansas.
38. **Chen, B.** (2012). Recent developments on Analysis of Missing Data. *The 2012 Joint Biostatistics Symposium*, Invited Session Organizer. Speakers: Drs. Bin Nan (University of Michigan), Bhramar Mukherjee (University of Michigan), Xiao-Hua Zhou (University of Washington), Qihua Wang, (Chinese Academy of Sciences). June, Beijing, China.
39. **Chen, B.**, and Qin, J. (2016). Test the reliability of doubly robust estimation with missing response data. *UTHealth, SPH, Department of Biostatistics*. October, Houston, Tx.
40. **Chen, B.** (2016). Statistical analysis with missing data. *UT Health, SPH, Department of Biostatistics*. October, Houston, Tx.

41. **Chen, B.** (2018). Analysis of Complex Data in Biostatistics. *International Biometrics Society-China symposium*. Invited Session Organizer. Speakers: Drs. Peisong Hang (University of Michigan), Hua Shen (University of Calgary), Zhigang Li (University of Dartmouth), Ying Yan (Sun Yat-sen University). July, Guangzhou, China.
42. **Chen, B.** (2019). Recent advances in statistical methods for complex data. *The 3<sup>rd</sup> international conference on Economics and Statistics*. Invited Session Organizer. Speakers: Dr. Rui Wang (Harvard University), Dr. Tao Yu (University of Singapore), Chunlin Wang (Xiamen University), Dr. Alex Wong (Hong Kong Polytechnic University). June, Taiwan.
43. **Chen, B.** (2020). Recent advances in statistical methods for missing data, measurement error and biased sampling. *The ICSA 2020 Applied Statistics Symposium*. Invited Session Organizer. Speakers: Dr. Ming-Hui Chen (University of Connecticut), Dr. Michael Daniels (University of Florida), Paul Rathouz (University of Texas at Austin), Dr. Baojiang Chen (University of Texas Health Science Center at Houston). May 2020, Houston.
44. **Chen, B.** (2020). Recent development in Semiparametric regression analysis. *The ICSA 2020 Applied Statistics Symposium*. Invited Session Organizer and Chair. Speakers: Dr. Ao Yuan (Georgetown University), Dr. Rui Wang (Harvard University), Lihui Zhao (Northwestern University), Dr. Suojin Wang (Texas A&M University). May 2020, Houston.
37. **Chen, B.,** Spell, C., Bluestein, M. A., Kuk, A. E., Harrell, M. B., Atem, F., Perez, A. (2022). Perceptions of harm and addiction on the age of cigar use among youth: Findings from the Population Assessment of Tobacco and Health youth (2013-2017). The 2022 Society for Research on Nicotine & Tobacco Annual Meeting.
- 38.

## TEACHING ACTIVITIES:

### Advisory PhD or DrPH students:

1. Soumitra Bhuyan, PhD, Department of Health Services Research & Administration, University of Nebraska Medical Center, 2012-2014. "Provision, cost, and quality of robot-assisted radical prostatectomies in the United States."
2. Tao Li, PhD, Department of Health Services Research & Administration, University of Nebraska Medical Center, 2012-2014. "Hospital cost shifting in the United States."
3. Jenelle Jacobson, PhD, Department of Health Services Research & Administration, University of Nebraska Medical Center, 2012-2014. "Influence of environmental/institutional factors, innovation characteristics, and top manager characteristics that are factors in EBPH implementation."
4. Chun-Kai Huang, PhD, Division of Physical Therapy Education, School of Allied Health Professions, University of Nebraska Medical Center, 2012-2015. "The feedforward and feedback controls on gait in adults with diabetes."
5. Harpriya Kaur, PhD, Department of Epidemiology, COPH, UNMC 2013-2016. "Human Papillomavirus and its Impact on Vulnerable Populations."
6. He Zhu, PhD, Department of Health Services Research & Administration, University of Nebraska Medical Center, 2014-2015. "The impact of gasoline prices on medical care and costs of motor vehicle injuries."
7. Li Westman, PhD, Department of Epidemiology, University of Nebraska Medical Center, 2015-2016. Have not started dissertation.
8. Yang Wang, PhD, Department of Health Services Research & Administration, University of Nebraska Medical Center, 2014-2016. "Essays on immigration-related disparities in health behavior and health care utilization."
9. Glen Gilson, PhD, Department of Health Services Research & Administration, University of Nebraska Medical Center, 2014-2016. "Environmental Correlates of Patient-Centered Medical Home Implementation in the United States Military Health System."

10. Kate Trout, PhD, Department of Health Services Research & Administration, University of Nebraska Medical Center, 2015-2016. Has not started dissertation.
11. Sankeerth Rampa, PhD, Department of Health Services Research & Administration, University of Nebraska Medical Center, 2015-2016. Has not started dissertation.
12. Fang Qiu, PhD, Department of Biostatistics, University of Nebraska Medical Center, 2015-2016. Has not started dissertation.
13. Saber Amin, PhD, Department of Epidemiology, University of Nebraska Medical Center, 2015-2016. Has not started dissertation.
14. Mesnad Almutairi, PhD, Department of Epidemiology, University of Nebraska Medical Center, 2016. "Impact of Rurality on Colorectal Cancer Screening, Staging and Treatment in Privately Insured Population."
15. Jamie Larson, PhD, Department of Health Services Research & Administration, University of Nebraska Medical Center, 2016. Has not started dissertation.
16. Joowon Lee, PhD in Epidemiology, University of Texas Health Science Center at Houston, 2017-2018. "Associations of physical activity behaviors and cardiovascular fitness with carotid atherosclerosis: Cooper Center Longitudinal Study."
17. Shannon Roger, PhD in Epidemiology, University of Texas Health Science Center at Houston, 2017-2019, "Big Tobacco. Big Marijuana? Longitudinal Trends and Multi-Directional Tobacco and Marijuana Use among Youth and Young Adults in Texas."
18. Christina Thi, PhD in Epidemiology, University of Texas Health Science Center at Houston, 2017-2019. "Nutritional quality of food at a food pantry in Dallas, Texas: trends in selection and inventory, operations-related determinants, and client perspectives."
19. Eun me Cha, PhD in Epidemiology, University of Texas Health Science Center at Houston, 2017-2018. "Factors affecting food intake and BMI in adolescents using the social-ecological model."
20. Leixin Xia\*, PhD in Biostatistics, University of Texas Health Science Center at Houston, 2017-2021. "Bayesian analysis of drift fractional Brownian motion for monitoring clinical trials". \*Advisee.
21. Trent Peng\*, PhD in Epidemiology, University of Texas Health Science Center at Houston, 2018-present. "Expenditure and utilization of chiropractic care in the united states: trends, patterns, and determinants of use". \*Advisee.
22. Christine Jovanovic, PhD in Epidemiology, University of Texas Health Science Center at Houston, 2019-2020. "The intersection of diet, health and the environment: plant based diets and public health".
23. Susan Parker, PhD in Epidemiology, University of Texas Health Science Center at Houston, 2021-present, "Cervical Cancer Screening and Primary Care Attendance in the COVID Era: Who is Falling Through the Cracks in a Safety-Net Healthcare System?"
24. Sitara Weerakoon, PhD in Epidemiology, University of Texas Health Science Center at Houston, 2021-present. "Effect of in utero polysubstance exposure on anthropometric and cardiovascular health outcomes in ethnically diverse adolescents".
25. Amelia Roebuck, PhD in Epidemiology, University of Texas Health Science Center at Houston, 2021-present. "Lifestyle behaviors before and after diagnosis of type 2 diabetes: findings from the nurses' health studies".
26. Aslesha Sumbe, PhD in Epidemiology, University of Texas Health Science Center at Houston, 2021-present.
27. Bara Bataineh, PhD in Epidemiology, University of Texas Health Science Center at Houston, 2021-present.
- 28.

**Advisory MPH or MS students:**

1. Jiali Zheng\*, MPH, Department of Biostatistics, University of Nebraska Medical Center, 2012-2013. "Association with Nutrients, Specific Food Consumption and Pancreatic Cancer Risk: Results From A Matched Case-Control Study Among Nebraska Population." \*Advisee.

2. Shardul Sohani, MPH, Department of Epidemiology, University of Nebraska Medical Center, 2012-2013. "Impact of Receipt of Antiretroviral Therapy (ART) For More Than 2 Years in Relation to Non Infections Co-morbidities (NICMs) (CVD, Diabetes, Hypertension, Liver Disease, and Kidney Disease) in Older HIV-Infected Patients."
3. Sarah Aurit\*, MPH, Department of Biostatistics, University of Nebraska Medical Center, 2012-2016. "Parkinson's disease and cancer incidence: a review of Nebraska registry data." \*Advisee.
4. Najib Murr, MPH, Department of Biostatistics, University of Nebraska Medical Center, 2012-2014.
5. Kerui Xu, MPH, Department of Biostatistics, University of Nebraska Medical Center, 2014-2015. "Investigating the roles of EZH2 and its regulatory genes in peripheral T-cell lymphomas."
6. Lata Nawal, MPH, Department of Biostatistics, University of Nebraska Medical Center, 2014-2015. "Survival trends of Acute Myeloid Leukemia (AML) in the United States: A SEER database Analysis."
7. Emily Kreikemeier, MPH, Department of Epidemiology, University of Nebraska Medical Center, 2014-2015. "Characterization of Invasive Fungal Infections (IFI) in Immunocompromised Oncology Patients at an Academic Medical Center: Focus on Acute Leukemia."
8. Asserewou Etekpo, MPH, Department of Epidemiology, University of Nebraska Medical Center, 2015. "Difference in MUC4 Expression and Phenotypic Characteristics of Pancreatic Cyst in Comparison to Pancreatic Cancer in Egypt."
9. Bo Kang, MPH, Department of Health Services Research & Administration, University of Nebraska Medical Center, 2016. "The Economic Burden of Hospitalizations due to Chronic Obstructive Pulmonary Disease (COPD) as principal diagnosis in Nebraska."
10. Batool Khattab, MPH, Department of Epidemiology, University of Nebraska Medical Center, 2016. "Epidemiologic Study of Leukemia in Jordan 1996-2011."
11. Molly O'Neil, MS in Epidemiology, University of Texas Health Science Center at Houston, 2017-2018. "Environmental Correlates of Food Purchasing Behaviors and Fruit and Vegetable Intake in a Community-Based Sample."
12. Victoria Fleming, MPH, Department of Health Promotion & Behavioral Sciences, University of Texas Health Science Center at Houston, 2017-2018. "Exploring clinical and social variables of hepatitis C virus in homeless individuals residing in Travis County, Texas."
13. David Marsden. MPH in Epidemiology, University of Texas Health Science Center at Houston, 2018-2019. "Alternative Tobacco Product Use & Depressive Symptoms Among Young Adults: a Longitudinal Analysis with Frequency of Use."
14. Shan Gao. MPH in Epidemiology, University of Texas Health Science Center at Houston, 2018-2019. "Hours of Gaming or Non-academic Computer use, Substance Use, and School Performance among Texas Adolescence: Findings from the 2017 YRBS in Texas."
15. Sonia Rao\*. MPH in Biostatistics, University of Texas Health Science Center at Houston, 2017-2019. \*Advisee.
16. Austin Green\*. MPH in Customize Degree, University of Texas Health Science Center at Houston, 2017-2019. \*Advisee.
17. Christopher Strittmatter\*. MPH in Customize Degree, University of Texas Health Science Center at Houston, 2017-2019. \*Advisee.
18. Xiaorui Zhang\*. MS in Biostatistics, University of Texas Health Science Center at Houston, 2017-present. \*Advisee.
19. Ifeoluwa Shoyombo\*. MPH in Customize Degree, University of Texas Health Science Center at Houston, 2018-2019. \*Advisee.
20. Lee Minnetti\*. MS in Customize Degree, University of Texas Health Science Center at Houston, 2019-2021. "Associations between age and sex on covid-19 case hospitalization, dyspnea prevalence and fever prevalence in October 2020 franklin county, Ohio". \*Advisee.

21. Caitlyn Winter. MS in Epidemiology, University of Texas Health Science Center at Houston, 2019-2020. "Asthma-COPD overlap syndrome and disease progression in the COPD Gene cohort study."
22. Allison Bebo. MS in Epidemiology, University of Texas Health Science Center at Houston, 2020-2021. "Coronary heart disease and ischemic stroke polygenic risk scores and atherosclerotic cardiovascular disease in a diverse, population-based cohort study."
23. Jing Xie\*. MPH in Biostatistics, University of Texas Health Science Center at Houston, 2021-present. \*Advisee.
24. Pranav Jayaraman. MPH in Customize Degree, University of Texas Health Science Center at Houston, 2020-Present. \*Advisee.
25. Hannah Worby. MPH in Customize Degree, University of Texas Health Science Center at Houston, 2021-Present. \*Advisee.
26. Erin Schwartz. MPH in Customize Degree, University of Texas Health Science Center at Houston, 2021-Present. \*Advisee.
27. Divia Kallattil. MPH in Customize Degree, University of Texas Health Science Center at Houston, 2021-Present. \*Advisee.
28. Ashley Jacob. MPH in Customize Degree, University of Texas Health Science Center at Houston, 2021-Present. \*Advisee.
29. Cameron Isaacs. MPH in Customize Degree, University of Texas Health Science Center at Houston, 2021-Present. \*Advisee.
30. Michele Harris. MPH in Customize Degree, University of Texas Health Science Center at Houston, 2021-Present. \*Advisee.
31. Danielle Gartner. MPH in Customize Degree, University of Texas Health Science Center at Houston, 2021-Present. \*Advisee.
32. Stephanie Cerda. MPH in Customize Degree, University of Texas Health Science Center at Houston, 2021-Present. \*Advisee.
33. Madalyn Addis. MPH in Customize Degree, University of Texas Health Science Center at Houston, 2021-Present. \*Advisee.

**Teaching courses:**

| Courses                                             | Dates       | Role       | Number of students |
|-----------------------------------------------------|-------------|------------|--------------------|
| PH 1700 Intermediate Biostatistics                  | Spring 2022 | Instructor | 59                 |
| PH 1690 Introduction to Biostatistics               | Fall 2021   | Instructor | 49                 |
| PH 1700 Intermediate Biostatistics                  | Spring 2021 | Instructor | 56                 |
| PH 1690 Introduction to Biostatistics               | Fall 2020   | Instructor | 45                 |
| PH 1700 Intermediate Biostatistics                  | Spring 2020 | Instructor | 22                 |
| PH 1700 Intermediate Biostatistics                  | Fall 2019   | Instructor | 15                 |
| PH 1624 Introduction to SAS Data Management         | Summer 2019 | Instructor | 13                 |
| PH 1700 Intermediate Biostatistics                  | Spring 2019 | Instructor | 19                 |
| PH 1918 Statistical Methods for Correlated Outcomes | Fall 2018   | Instructor | 22                 |
| PH 1624 Introduction to SAS Data Management         | Summer 2018 | Instructor | 16                 |
| PH 1700 Intermediate Biostatistics                  | Spring 2018 | Instructor | 37                 |
| PH 1624 Introduction to SAS Data Management         | Summer 2017 | Instructor | 22                 |
| BIOS 983 Statistical Inference II                   | Spring 2016 | Instructor | 5                  |

|                                                                      |               |            |    |
|----------------------------------------------------------------------|---------------|------------|----|
| BIOS 824/CPH 654 Survival analysis (on campus and online)            | Fall 2015     | Instructor | 23 |
| BIOS 896 Research other than thesis in Biostatistics                 | Summer 2015   | Instructor | 2  |
| BIOS 825/CPH 655 Correlated data analysis (on campus and online)     | Spring 2015   | Instructor | 19 |
| BIOS 896 Research other than thesis in Biostatistics                 | Spring 2015   | Instructor | 1  |
| BIOS 824/CPH 654 Survival analysis (on campus and online)            | Fall 2014     | Instructor | 18 |
| BIOS 896 Research other than thesis in Biostatistics                 | Fall 2014     | Instructor | 1  |
| BIOS 825/CPH 655 Correlated data analysis (on campus and online)     | Spring 2014   | Instructor | 15 |
| BIOS 824/CPH 654 Survival analysis                                   | Fall 2013     | Instructor | 14 |
| BIOS 825/CPH 655 Correlated data analysis                            | Spring 2013   | Instructor | 12 |
| BIOS 824/CPH 654 Survival analysis                                   | Fall 2012     | Instructor | 13 |
| BIOS 998 Independent study                                           | Fall 2012     | Instructor | 1  |
| BIOS 998 Independent study                                           | Summer 2012   | Instructor | 1  |
| BIOS 825/CPH 655 Correlated data analysis                            | Spring 2012   | Instructor | 7  |
| BIOS 824/CPH 654 Survival analysis                                   | Fall 2011     | Instructor | 11 |
| BIOS 998 Independent study                                           | Summer 2011   | Instructor | 1  |
|                                                                      |               |            |    |
| Sample size and power analysis for CPH 643/EPI 803                   | February 2016 | Lecture    | 10 |
| Sensitivity, specificity and ROC analyses in Department of Radiology | May 2012      | Lecture    | 26 |
| General overview of statistics in Department of Radiology            | May 2012      | Lecture    | 26 |
| Sample size and power analysis for EPI 821                           | March 2011    | Lecture    | 25 |
|                                                                      |               |            |    |
| Probability                                                          | Spring 2008   | Instructor | 80 |