

Shimin Zheng

Associate Professor of Biostatistics

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Education

M.S. in Biostatistics (2001) University of Alabama at Birmingham

Ph.D. in Biostatistics (2003) University of Alabama at Birmingham

MS. in Mathematics (2005) University of Alabama at Birmingham

Professional Positions

- 2001-2002 Data Analyst, Univ. of Alabama at Birmingham, Injury Control Research Center
- 2003-2005 Statistician, University of Alabama at Birmingham, Division of Continuing Medical Education
- 2005-2006 Teaching Assistant, University of Alabama at Birmingham
- 2006-2008 Biostatistical Consultant, University of Texas Southwestern Medical Center, Psychiatry Department
- 2008-2010 Statistician, The University of Iowa, Department of Family Medicine
- 2010-2015 Assistant Professor, Department of Health Biostatistics and Epidemiology, College of Public Health, East Tennessee State University
- 2016-pres Associate Professor, Department of Health Biostatistics and Epidemiology, College of Public Health, East Tennessee State University

Honors and Awards (since 2009)

- 2009: Department of Family Medicine, University of Iowa, \$5000 Work Performance Award.
- 2013: Appalachian Student Research Forum, 3rd prize as faculty sponsor.
- 2014: Appalachian Student Research Forum, 2nd prize as a co-author.
- 2015: Appalachian Student Research Forum, 2nd prize as faculty sponsor.
- 2016: Appalachian Student Research Forum, 2nd prize as faculty sponsor.
- 2016: Foundation Teaching Award, College of Public Health, ETSU.
- 2017: Nominated by CPH to the University level distinguished teaching faculty awards (pending)
- 2017: Appalachian Student Research Forum, first prize as faculty sponsor.
- 2017: Appalachian Student Research Forum, first prize as a biostatistician.

New Courses Designed

- Categorical Data Analysis (BSTA 5370), spring 2011, for master or doctoral students, onsite/online.
- SAS Programming with Statist Applications (BSTA 5380), fall 2011, for master or doctoral students, onsite/online.
- Survival Analysis in public health (BSTA 5390), approved May 4th 2016, experimental, for master or doctoral students.

Courses Taught

- Applied Epidemiologic Analysis (EPID 6420), co-instructor, spring 2011, for master or doctoral students.
- Categorical Data Analysis (BSTA 5370), spring 2011, for master or doctoral students.
- Graduate Research (EPID 5029).
- Advanced Multivariate Analysis (BSTA 6410), co-instructor, fall 2011, for master or doctoral students.
- SAS Programming with Statist Applications (BSTA 5380), fall 2011, for master or doctoral students.
- Categorical Data Analysis (BSTA 5370), spring 2012, for master or doctoral students.
- Applied Epidemiologic Analysis (EPID 6420), co-instructor, spring 2012, for master or doctoral students.
- Biostatistics I (BSTA 5310) online summer 2012, for master or doctoral students.
- Biostatistics I (BSTA 5310) onsite & online, fall 2012, for master & doctoral students.
- Biostatistics II (BSTA 5350) onsite & online, spring 2013, for master or doctoral students.
- Categorical Data Analysis (BSTA 5370), fall 2013, for master or doctoral students.
- Biostatistics II (BSTA 5350) onsite & online, spring 2014, for master or doctoral students.
- Biostatistics I (BSTA 5310) online, summer 2014, for master or doctoral students.
- Biostatistics I (BSTA 5310) onsite & online, fall 2014, for master or doctoral students.
- Biostatistics II (BSTA 5350) onsite & online, spring 2015, for master or doctoral students. Online: 15, on-site: 14.
- Categorical Data Analysis (BSTA 5370) onsite & online, fall 2015, for master or doctoral students.
- Biostatistics II (BSTA 5350) onsite & online, spring 2016, for master or doctoral students. Online: 15, on-site: 14.
- Categorical Data Analysis (BSTA 5370) onsite & online, fall 2016, for master or doctoral students.
- Biostatistics II (BSTA 5350) onsite & online, spring 2017, for master or doctoral students. Online: 18, on-site: 21.

Research Focus

- Statistical distribution theory
- Longitudinal data analysis
- Categorical data analysis
- Statistical simulation and computation
- Multivariate analysis
- Survival analysis
- Sample size and power
- Model selection
- Cardiovascular disease, cancer, depression and substance abuse.

Conference presentations

01. N. Chernov, **Shimin Zheng**. Linearization of regression problems with optimal weights. Presentation at 2006 Hawaii International Conference on Statistics, Mathematics and Related Fields, January 16, 2006 in Honolulu, Hawaii. RG

02. M Williams, R Kristofco, L Casebeer, M Saag, **Shimin Zheng**, S Katta. Uncertainty in medical practice of physicians treating HIV-infected patients. The XV International AIDS Conference, 2004. Abstract TuPeD5196. Bangkok, Thailand. RG

03. Huang D, Bidesi A, **Shimin Zheng**, Rao U: Hippocampal changes associated with adolescent depression. Presented at the 93rd Annual Clinical Congress of the American College of Surgeons, New Orleans, LA, October 7-11, 2007. RG

04. Rao U, Huang D, **Shimin Zheng**, Bidesi A: Effect of early adversity on hippocampal volume in depressed adolescents. Presented at the 46th Annual Meeting of the American College of Neuropsychopharmacology, Boca Raton, FL, December 9-13, 2007. RG

05. Huang D, **Shimin Zheng**, Bidesi A, Rao U: Hippocampal changes associated with adolescent depression. Presented at the The 46th Annual Medical Student Research Forum, UT Southwestern Medical Center, Dallas, TX, January 22, 2008. RG

06. Gerald Jogerst Gerald, Jogerst Mee, Young Kim, **Shimin Zheng**. Predictors of Acceptable Treatments for Late-life Depression, accepted by the NAPCRG Program Committee for presentation at the 2009 NAPCRG Annual Meeting being held Nov 14-18, 2009 at Le Centre Sheraton Montreal Hotel, West Montreal, Quebec, Canada. RG

07. Quinn, M., **Shimin Zheng***, Baker, K. (2012, April 5). Predictors of Late Stage Melanoma Diagnosis: Adolescent and Young Adult Cancer Patients in Tennessee. Oral presentation presented at the Appalachian Student Research Forum, Johnson City, TN. RG

08. Kate Callahan, **Shimin Zheng***, Xuefeng Liu. (2012, April 5). A Cross-Sectional Analysis Of Factors Associated With Violation Of Maine's Legislation Prohibiting

Smoking In Vehicles Containing Children. Oral presentation presented at the Appalachian Student Research Forum, Johnson City, TN. RG

09. **Nuo Xu, Shimin Zheng**, Kesheng Wang. (2012, April 5). Gender And Race Differences In The Association Between Smoking Behavior And Body Mass Index. Oral presentation presented at the Appalachian Student Research Forum, Johnson City, TN. RG

10. David Blackley, **Shimin Zheng***, and Winn Ketchum. (2012, April 5). Implementing A Spatial Smoothing Algorithm To Help Identify A Lung Cancer Belt In The United States. Poster session presented at the Appalachian Student Research Forum, Johnson City, TN. RG

11. Yang Chen, **Shimin Zheng***, and Liang Wang. (2013, April 4). The relationship between Calcium Intake and Hypertension among Obese Adults. Oral presentation presented at the Appalachian Student Research Forum, Johnson City, TN. (won 3rd prize) RG uploaded.

12. Kate Callahan, **Shimin Zheng***, and Colleen Scott. (2013, April 4). Trends and Characteristics of Occupational Lyme Disease In Maine, 1999-2011. Poster session presented at the Appalachian Student Research Forum, Johnson City, TN.

13. Sreenivas P. Veeranki, Hadii M. Mamudu, James L. Anderson, **Shimin Zheng**. (2013) A scope for early tobacco intervention effort: Understanding worldwide never-smoking youth susceptibility to smoking. Submitted for the Alcohol, Tobacco, and Other Drugs program of the 141st APHA Annual Meeting (November 2 - November 6, 2013) to be held in Boston, MA.

14. Yang Chen, Katie Callahan, David Blackley, Yan Cao, **Shimin Zheng*** (Faculty Sponsor). (2013) Calcium intake associated with risk factors for cardiovascular disease among obese adults. Submitted for the APHA-Student Assembly program of the 141st APHA Annual Meeting (November 2 - November 6, 2013) in Boston, MA. RG

15. Sreenivas P. Veeranki, Hadii M. Mamudu, **Shimin Zheng**, James L. Anderson. (2013) Common but unknown! extent and determinants of worldwide youth exposure to secondhand smoke. Submitted for the International Health program of the 141st APHA Annual Meeting (November 2 - November 6, 2013) to be held in Boston, MA.

16. Megan Quinn, **Shimin Zheng**, Hadii M. Mamudu, Martin Whiteside, James L. Anderson. (2013) Adolescent and young adult cancer in Tennessee: An overview of findings. Submitted for the Cancer Forum program of the 141st APHA Annual Meeting (November 2 - November 6, 2013) to be held in Boston, MA. RG

17. Sreenivas P. Veeranki, Yan Cao, **Shimin Zheng**, Megan Quinn, Liang Wang. (2013) Two faces in the lung! Vitamin E and respiratory and atopic diseases. APHA 142nd APHA Annual Meeting & EXPO, November 15-19, 2014, New Orleans, LA.

18. Joshua Longcoy, Rayan Elkattah, Brooke Foulk, **Shimin Zheng**, and Arsham Alamian. (2014, April 2-3). Temperature recording of pregnant women in labor: analysis of two non-invasive thermometers. Poster session presented at the Appalachian Student Research Forum, Johnson City, TN.
19. Joseph Ikekwere, Megan Quinn and **Shimin Zheng**. (2014, April 2-3). Cancer of the urinary bladder: gender differences as predictors of tumor grade. Poster session presented at the Appalachian Student Research Forum, Johnson City, TN. (won 2nd prize).
20. Sreenivas P. Veeranki, **Shimin Zheng***, Yan Cao, Arsham Alamian. (2014) Association of serum vitamin D levels with respiratory and atopic diseases. APHA 143rd APHA Annual Meeting & EXPO, November 17-20, 2014, New Orleans, LA, November 15-19, 2014. RG
21. Nicole S. Litwin, Norman A. Assad, W. Andrew Clark, Tasha Ferrell, Ray M. Mohseni, **Shimin Zheng**, R.J. Santos-Prowse. (2015) Oxidative stress, dietary fat intake and red blood cell membrane fatty acid composition in women with and without fertility problems. Poster presentation to Experimental Biology that is held in Boston, MA, March 28 to April 1, 2015.
22. Eunice Mogusu, **Shimin Zheng***, Sreenivas P. Veeranki, Megan Quinn. (2015). Association of vitamin D deficiency with high cholesterol levels. APHA 143rd APHA Annual Meeting & EXPO, October 31-November 4, 2015, Chicago, IL.
23. **Shimin Zheng***, Eunice Mogusu, Sreenivas P. Veeranki, Megan Quinn. (2015). Relationship between mean, median and mode with unimodal grouped data. APHA 143rd APHA Annual Meeting & EXPO, October 31-November 4, 2015, Chicago, IL.
24. Bryan R. Gunter, Kristen A. Butler, Richard L. Wallace, Steven M. Smith, **Shimin Zheng**, Sam Harirforoosh. (2015). NSAIDs-induced cardiovascular adverse effects: a meta-analysis. APHA 143rd APHA Annual Meeting & Exposition, March 27-30, 2015, in San Diego, CA. Poster number 40.
25. Emily Miller, Jodi L. Southerland, **Shimin Zheng***, Yan Cao, Deborah Leachman Slawson, Lori Paisley. (2015, April 8 – 9). A cross-sectional study of suicidal behaviors and physical activity among 65,182 middle school students in Tennessee USA. Poster session presented at the Appalachian Student Research Forum, Johnson City, TN.
26. Osazee Osarueme J., Dr. Idemudia Monday I., Veeranki, Sreenivas P., Yan Cao, **Shimin Zheng***. (2015, April 8 – 9). The effect of cigarette smoke on the microbiota or the normal flora of the nasal cavity. Poster session presented at the Appalachian Student Research Forum, Johnson City, TN.
27. Rahul Paul, Sreenivas, P Veeranki, Yan Cao, Jocelyn Aibangbee, **Shimin Zheng***. (2015, April 8 – 9). Depression among Adolescents in the United States: Results from

the 2012 National Survey on Children's Health. Poster presentation presented at the Appalachian Student Research Forum, Johnson City, TN.

28. Eunice Mogusu, Sreenivas, P Veeranki, Claudia Kozinetz, Yan Cao, **Shimin Zheng***. (2015, April 8 – 9). Epidemiology of preterm births in the United States. Oral presentation presented at the Appalachian Student Research Forum, Johnson City, TN. (won 2nd prize).

29. Nicole Holt, **Shimin Zheng***, Jodi L. Southerland, Yan Cao, Deborah Leachman Slawson, Lori Paisley. (2015, April 8 – 9). Prevalence of and risk factors for childhood obesity in Tennessee using the 2010 youth risk behavior survey (YRBS) data: a multilevel analysis. Poster presentation presented at the Appalachian Student Research Forum, Johnson City, TN.

30. Osazee Osarueme J, Dr. Southerland J , **Zheng Shimin***, Dr. Quinn M, Cao Y, Slawson D, Paisely L. (2015, April 8 – 9). Early age of onset of tobacco, alcohol and marijuana use among middle school youth in Tennessee: does place matter? Poster presentation presented at the Appalachian Student Research Forum, Johnson City, TN.

31. **Shimin Zheng**, Mogusu, E., & Kozinetz, C. (2015). Consequential Population Health Data: Making the Case for Prenatal Cigarette Smoking Cessation Interventions. *Annals of Epidemiology*, 25(9), 711. Poster presentation at the American College of Epidemiology ACE 2015 annual scientific session. The Courtyard Atlanta Decatur Downtown/Emory (September 26-29, 2015), Atlanta, Georgia.

32. **Shimin Zheng**, Mogusu, E., & Kozinetz, C. (2015). Consequential Population Health Data: Making the Case for Prenatal Cigarette Smoking Cessation Interventions. *Annals of Epidemiology*, 25(9), 711. Poster presentation at the Tennessee Public Health Association 2015 TPHA annual educational conference, (September 9-11, 2015), Franklin, Tennessee.

33. Ashraf AbuSara, **Shimin Zheng***, Yan Cao, Hemang B Panchal, Samit Bhatheja, Eunice Mogusu, Timir Kumar Paul. (2015) National Trend in Multivessel Percutaneous Coronary Intervention in Patients with Diabetes Mellitus in the United States. *Journal of the American College of Cardiology*, 66(15_S). Poster presentation at TCT Conference 2015 (October 11-15, 2015) in San Francisco, CA.

34. Mogusu, E., **Shimin Zheng***, Veeranki, S.P., Kioko, D., & Quinn, M (2015, November). Association of vitamin D deficiency with high cholesterol levels. Poster presentation at *the 143rd APHA Annual Meeting and Exposition* (October 31-November 4, 2015), Chicago, Illinois. APHA. Also featured on the ETSU Center of Excellence for Inflammation, Infectious Disease and Immunity website <http://www.etsu.edu/com/ciidi/default.aspx>.

35. **Shimin Zheng***, Mogusu, E., Veeranki, S.P., Cao, Y., & Quinn, M., (2015, November). Relationship between mean, median and mode with grouped data. Poster

presentation at *the 143rd APHA Annual Meeting and Exposition* (October 31-November 4, 2015), Chicago, Illinois. APHA.

36. Nicole Holt, Ronald C. Hamdy, **Shimin Zheng***, Andrew Clark, Arsham Alamian, Casey Morrell, Tommy B. Piggee, Christian Magallanes. (2016, April 7–8). Efficacy of osteoporosis diagnosis using dxa scans of the distal radius in a group of male patients with osteoporosis: a retrospective study. Poster presentation presented at the Appalachian Student Research Forum, Johnson City, TN.

37. Nicole Holt, **Shimin Zheng***, Casey L. Morrell, Megan A. Quinn, Sheryl Strasser. (2016, April 7–8). Prevalence of and risk factors for adolescent obesity in Tennessee using the 2010 youth risk behavior survey (YRBS) data: an analysis using stratified hierarchical logistic regression. Oral presentation presented at the Appalachian Student Research Forum, Johnson City, TN.

38. Casey Morrell, Megan Quinn, Mark Dula, Charvi Choksi. **Shimin Zheng***. (2016, April 7–8). National and state trends in bmi percentile, obesity, and overweight rates among youth using YRBSS data. Poster presentation presented at the Appalachian Student Research Forum, Johnson City, TN.

39. Eunice Mogusu, Claudia A. Kozinetz*, **Shimin Zheng** and Lee Cutshaw. (2016, April 7–8). Geographic differences and trends in birth outcomes 2009 - 2014: northeast Tennessee vs Tennessee. Oral presentation presented at the Appalachian Student Research Forum, Johnson City, TN.

40. Eunice Mogusu, Ashraf Abusara, Hemang Panchal, **Shimin Zheng*** and Timir K. Paul. (2016, April 7–8). National trend and comparison in total charges for single vessel and multivessel percutaneous coronary intervention in all patients and patients with diabetes mellitus in the United States. Poster presentation presented at the Appalachian Student Research Forum, Johnson City, TN.

41. Mark Dula, Kesheng Wang, Ying Liu and **Shimin Zheng***. (2016, April 7–8). Substance abuse and its effect on attempted suicide in high school students: a quantitative analysis. Oral presentation presented at the Appalachian Student Research Forum, Johnson City, TN.

42. Mark Dula, Eunice Mogusu, Sheryl Strasser, Ying Liu, **Shimin Zheng***. (2016, April 7–8). Median and mode approximation for skewed unimodal continuous distributions using Taylor series expansion. Poster presentation presented at the Appalachian Student Research Forum, Johnson City, TN.

43. Chukwuemeka Ogbu, Sheryl Strasser, Casey Morrell, Nicole Holt, **Shimin Zheng***. (2016, April 7–8). Association between physical fighting and risk factors in middle school students in Tennessee: data from the 2013 Tennessee youth risk behavior survey. Poster presentation presented at the Appalachian Student Research Forum, Johnson City, TN. (won 2nd prize).

44. Panchal HB, **Zheng S**, Abusara A, Mogusu E, Paul TK. National Trend in Hospitalization Cost for In-patient Single Vessel Percutaneous Coronary Intervention in Patients with and without Diabetes Mellitus in the United States: An Analysis from Nationwide Inpatient Sample from 2006-2011. Transcatheter Cardiovascular Therapeutic (TCT) Scientific Conference, October 29-November 2, 2016, Walter E. Washington Convention Center WASHINGTON, DC
45. Reddy K, Kearns M, Alvarez-Arango S, Carillo-Martin I, Cuervo-Pardo N, Cuervo-Pardo L, Dimov V, Lang D, Lopez-Alvarez S, Schroer B, Dula M, **Zheng S**, Kozinetz C, Gonzalez-Estrada A. Poster Number: P275, Title: YouTube and Food Allergy: An Appraisal of the Educational Quality of Information. ePoster Session at ACAAI 2016 Annual Scientific Meeting, November 10-14, in San Francisco, California.
46. Chukwuemeka Ogbu, Sheryl Strasser, Casey Morrell, Nicole Holt, **Shimin Zheng***. Association between physical fighting and risk factors in middle school students in Tennessee: data from the 2013 Tennessee youth risk behavior survey. Poster presentation at *the 144th APHA Annual Meeting and Exposition* (October 29-November 2, 2016), Chicago, Co. APHA.
47. Casey Morrell, Amy Poole, Megan Quinn, **Shimin Zheng**, Andrew Joyner. Tennessee Stroke Registration Report, 2015. The poster abstracts selected for oral presentation at *Tennessee Public Health Association meeting 2016*.
48. Reddy K, Mando R, Alvarez-Arango S, Bansal A, Gabriel J, Reddy S, Cuervo-Pardo L, Dula M, **Zheng S**, Kozinetz C, Gonzalez-Estrada A, Malkani A, Reddy C, YouTube and Eosinophilic Esophagitis: An Assessment of the Educational Quality of Information. *Digestive Disease Week® (DDW) 2017*. May 6-9, 2017 Chicago, Illinois.
49. Reddy K, Mando R, Alvarez-Arango S, Bansal A, Gabriel J, Reddy S, Cuervo-Pardo L, Dula M, **Zheng S**, Kozinetz C, Gonzalez-Estrada A, Malkani A, Reddy C. YouTube and Eosinophilic Esophagitis: YouTube as a Source of Information for Inflammatory Bowel Syndrome: A Critical Appraisal. *Digestive Disease Week® (DDW) 2017*. May 6-9, 2017 Chicago, Illinois.
50. Li, Y; Odame, E; **Shimin Zheng**; Silver, K. Comparing Urban and Rural Vulnerability to Heat-Related Mortality: A Systematic Review and Meta-analysis. Poster presentation at Society for Risk Analysis (SRA) 2016 Annual Meeting, Sunday, 11 December 2016 to Thursday, 15 December 2016 San Diego, California.
51. Nicole Holt, Arsham Alamian, Deborah Slawson, and **Shimin Zheng**. Child, Family, and Community Factors and the Utilization of Oral Health Services in Early Childhood. APHA 2017 Annual Meeting & Expo (Nov. 4 – Nov. 8) (Mental Health), Atlanta, GA.
52. Christian Nwabueze, Ying Liu, Hilary Elom, **Shimin Zheng**, Ke-Sheng Wang. Prevalence and correlates of major depressive disorder among opioid dependent patients:

Finding from a randomised clinical trial. APHA 2017 Annual Meeting & Expo (Nov. 4 – Nov. 8) (Mental Health), Atlanta, GA.

53. Ying Liu, Kesheng Wang, Sonica Sayam, **Shimin Zheng**, Ying Li, Liang Wang. Prevalence of diabetes and its trend in U.S. veterans, 2005-2014. APHA 2017 Annual Meeting & Expo (Nov. 4 – Nov. 8) (Epidemiology), Atlanta, GA.

54. Elaine Loudermilk, Sreenivas P. Veeranki, Megan Quinn, Shimin Zheng, and Oluyemi Rotimi. Association of Childhood Sexual Abuse Experience and Drunk Driving in US Adults. APHA 2017 Annual Meeting & Expo (Nov. 4 – Nov. 8) (Epidemiology), Atlanta, GA.

55. Hyacinthe Umwali, Shimin Zheng, Sreenivas P. Veeranki, Ying Liu, and Hilary Elom. Obesity among first and second generation Hispanic adolescents in the United States: Insights from 2011-2012 National Survey of Children's Health. APHA 2017 Annual Meeting & Expo (Nov. 4 – Nov. 8) (Epidemiology), Atlanta, GA.

56. Oni Olakunle, Sreenivas Veeranki, Ying Liu, Zhao Peng, Oluyemi Rotimi, **Shimin Zheng***. (2017, April 11–12). Association between heavy alcohol consumption and coronary heart disease among U.S. adults: using the 2015 BRFSS annual survey data. Poster presentation presented at the Appalachian Student Research Forum, Johnson City, TN. (won first prize).

57. Hilary Elom, Ying Liu, Zhao Peng, Titilayo James, **Shimin Zheng***. (2017, April 11–12). Association between asthma, obesity, sleep loss, physical activity and substance use among the U.S. adolescents: findings from YRBS 2015. Oral presentation presented at the Appalachian Student Research Forum, Johnson City, TN.

58. Harika Balagoni, Rufaat Mando, Keerthy Reddy, Apurva Bansal, Adegbeisola Aregbe, Kailash Bajaj, **Shimin Zheng**, Mark Dula, Claudia Kozinetz, Nathaly Cuervo-Pardo, Mark Young, Chakradhar Reddy, and Alexei Gonzalez-Estrada. (2017, April 11–12). You Tube as a Source of Information for Irritable bowel Syndrome: a Critical Appraisal. Oral presentation presented at the Appalachian Student Research Forum, Johnson City, TN. (won first prize).

59. Emmanuel Odame, Ying Li, Ken Silver, **Shimin Zheng**. (2017, April 11–12). Meta-analysis to determine vulnerability of rural areas to heat mortality. Oral presentation presented at the Appalachian Student Research Forum, Johnson City, TN.

60. Bansal, A, Reddy, K, Mando, R, Alvarez-Arango, S, Gabriel, J, Reddy, S, Cuervo-Pardo, L, Malkani, A, Reddy, C, **Shimin Zheng**, Dula, M, Kozinetz, C, and Gonzalez-Estrada, A. (2017, April 11–12). Youtube and eosinophilic esophagitis: an assessment of the educational quality of information. Oral presentation presented at the Appalachian Student Research Forum, Johnson City, TN.

61. Charvi Choksi, Kesheng Wang, Ying Liu, Olakunle Oni, Youssoufou Ouedraogo, **Shimin Zheng***. (2017, April 11–12). Effects of buprenorphine and methadone on hypertension in patients with opioid dependence: a randomized clinical trial study. Oral presentation presented at the Appalachian Student Research Forum, Johnson City, TN.
62. Elaine Loudermilk, Sreenivas P. Veeranki, Megan Quinn, **Shimin Zheng**, and Oluyemi Rotimi. (2017, April 11–12). Association of sexual abuse and exposure to parental substance abuse behavior during childhood with drunk driving in us adults. Oral presentation presented at the Appalachian Student Research Forum, Johnson City, TN.
63. Sonica Sayam, Kesheng Wang, **Shimin Zheng**, Ying Li, Liang Wang, and Ying Liu. (2017, April 11–12). Prevalence of diabetes in US. veterans: findings from NHANES 2005-2014. Poster presentation presented at the Appalachian Student Research Forum, Johnson City, TN.
64. Hyacinthe Umwali, Hilary Elom, Sreenivas P. Veeranki, Ying Liu, and, Zhao Peng, **Shimin Zheng***. (2017, April 11–12). Obesity among first and second generation Hispanic adolescents in the United States: Insights from 2011-2012 National Survey of Children's Health. Poster presentation presented at the Appalachian Student Research Forum, Johnson City, TN.
65. Sonica Sayam, Arsham Alamian, Billy Brooks, Olushola Fapo, and Shimin Zheng. (2017, April 11–12). Association between bullying victimization and failure to use condom in last sexual intercourse among U.S. high school students. Poster presentation presented at the Appalachian Student Research Forum, Johnson City, TN.
66. Pooja Subedi, Arsham Alamian, Billy Brooks, Ali Alamian and **Shimin Zheng**. 2017 or 2018? Association between sleep duration during adolescence and violent behavior among young adults in the United States. Submitted for the APHC-Delta Omega Poster Session program of the APHA 2017 Annual Meeting & Expo (Nov. 4 - Nov. 8) to be held in Atlanta, GA.

*Faculty Sponsor

Peer-reviewed Journal Articles

01. Karan P. Singh, Alfred A.Bartolucci, **Shimin Zheng**. (2003). Mixed-Effects Linear Models based on Elliptically Contoured Distribution Assumptions. *Advances and Applications in Statistics*, 3(2); 135-143.
02. **Shimin Zheng**, Sejong Bae, Alfred A.Bartolucci and Karan P. Singh. Power Exponential Distributions. (2003). *International Journal of Reliability and Applications*, 4(3); 97-111.
03. Alfred A.Bartolucci, **Shimin Zheng**, and Karan P. Singh. (2003). Random Regression Models Based on the Elliptically Contoured Distribution Assumptions with Applications to Longitudinal Data. *Journal of Modern Applied Statistical Methods*, 2(2); 359-370.

04. Casebeer LL, Kristofco R, , Strasser S, Reilly M, Krishnamoorthy P, Rabin A, **Shimin Zheng**, Karp S, Myers L. (2004). Standardizing evaluation of on-line continuing medical education; physician knowledge, attitudes, and reflection on practice. *Journal of Continuing Education in the Health Professions*, 24(2); 68-75.
05. Nancy Bennett, Casebeer LL, **Shimin Zheng**, Kristofco R. Information-Seeking Behaviors and Reflective Practice. (2006). *Journal of Continuing Education in the Health Professions*, 26(2); 123-130.
06. Linda Casebeer, Kathryn Andolsek, Maziar A. Joseph Green, Norman Weissman, Erica Pryor, **Shimin Zheng**, Thomas Terndrup. (2006). Evaluation of an Online Bioterrorism Continuing Medical Education Course. *Journal of Continuing Education in the Health Professions*, 26(2); 140-147.
07. **Shimin Zheng**, Uma Rao, Alfred A. Bartolucci, and Karan P. Singh. (2009). Random Regression Models Based on the Skew Elliptically Contoured Distribution Assumptions with Applications to Longitudinal Data. *Journal of Applied Probability and Statistics*, 4(1); 21-32.
08. Michael E. Ernst, Barry L. Carter, **Shimin Zheng**, Richard H. Grimm. (2010). Meta-Analysis of Dose-response Characteristics of Hydrochlorothiazide and Chlorthalidone; Effects on Systolic Blood Pressure and Potassium. *American Journal of Hypertension*, 23(4); 440-446.
09. Cynthia A. Weber, Michael E. Ernst, Genesis S. Sezate, **Shimin Zheng**, Barry L. Carter. (2010). Pharmacist-Physician Comanagement of Hypertension Reduces 24-hour Ambulatory Blood Pressures. *Arch Intern Med*, 170(18); 1634-1639.
10. Gerald J. Jogerst MD, **Shimin Zheng**, Mee Young Kim, Elena Frolova. (2012). Late-Life Depression; An International Study. *Family Practice*, 29(4); 407-415.
11. **Shimin Zheng**, J. M. Hardin and A. K. Gupta. (2012). The Inverse Problem of Multivariate and Matrix Variate Skew Normal Distribution. *Statistics -- A Journal of Theoretical and Applied Statistics* (IF: 1.09 in 2015). 46(3); 361-371.
12. Gerald J. Jogerst MD, Jeanette M. Daly RH, PhD, **Shimin Zheng**, Yinghui Xu. (2012). Substance Abuse Associated with Elder Abuse in the United States. *The American Journal of Drug and Alcohol Abuse*, 38(1); 63-69.
13. **Shimin Zheng**, A. K. Gupta. (2012). A New Approach to Statistical Efficiency of Weighted Least Squares Fitting Algorithms for Reparameterization of Nonlinear Regression Models. *Journal of Statistical Planning and Inference*, (IF: 0.727, 2015). 142(4); 1001-1008.

14. David Blackley, Behringer, Bruce, **Shimin Zheng**. (2012). Cancer Mortality Rates in Appalachia; Descriptive Epidemiology and an Approach to Explaining Differences in Outcomes. *Journal of Community Health*, 37(4); 804-813.
15. KS Wang, XF Liu, **Shimin Zheng**, Min Zeng, Yue Pan, Katie Callahan. (2012). A novel locus for body mass index on 5p15.2: A meta-analysis of two genome-wide association studies. *Gene*, 500(1); 80-84.
16. David Blackley, **Shimin Zheng**, Winn Ketchum. (2012). Implementing a weighted spatial smoothing algorithm to identify a lung cancer belt in the United States. *Cancer Epidemiology*, 36(5); 436-438.
17. **Shimin Zheng**, A. K. Gupta and Xuefeng Liu. (2012). A matrix variate generalization of the skew Pearson type VII and skew T distribution. *Mathematical Sciences Research Journal*, 16(6); 136-156.
18. Wang L, Anderson JL, Dalton WT, Wu TJ, Liu XC, **Shimin Zheng**, Liu XF. (2013). Maternal Depressive Symptoms and the Risk of Overweight in Their Children. *Maternal and Child Health Journal*, 17(5); 940-948
19. David Blackley, Liang Wang, James Anderson, **Shimin Zheng**. (2013). The association between marital status and extensive stage small-cell lung cancer at diagnosis in Kentucky residents, 2005-2009. *Journal of the Kentucky Medical Association*, 111(4); 97-103.
20. **Shimin Zheng**, C. Zhang and Jeff Knisley. (2013). Stochastic Representations of the Matrix Variate Skew Elliptically Contoured Distributions. *Advances and Applications in Statistics*, 33(2); 83-98.
21. Ke-Sheng Wang, Liang Wang, **Shimin Zheng**, Long-Yang Wu. (2013). Associations of Smoking Status and Serious Psychological Distress with Chronic Obstructive Pulmonary Disease. *International Journal of High Risk Behaviors and Addiction*, 2(2); 59-65.
22. **Shimin Zheng**, Jeff Knisley and C. Zhang. (2013). Moments of Matrix Variate Skew Elliptically Contoured Distributions. *Advances and Applications in Statistics*, 36(1); 13-27.
23. Sheryl M. Strasser, Megan Smith, Scott Weaver, **Shimin Zheng**, Yan Cao. (2013). Screening for Elder Mistreatment among Older Adults Seeking Legal Assistance Services. *Western Journal of Emergency Medicine*, 14(4); 309-315.
24. Kendra Johnson, Kim K. Nguyen, **Shimin Zheng**, Robin P. Pendley. (2013). The Relationship between Quality Improvement and Health Information Technology Use in Local Health Departments. *Frontiers in Public Health Services and Systems Research*, 2(6); 1-7.

25. Gerald J. Jogerst, **Shimin Zheng**, Erik Vanderlip. (2013). Predictors of Treatments Acceptable to Patients for Late-Life Depression. *The Scientific World Journal*, Volume 2013 (2013), Article ID 207493, 8 pages, <http://dx.doi.org/10.1155/2013/207493>.
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27. Yan Cao, Katie L. Callahan, Sreenivas P Veeranki, Yang Chen, Xuefeng Liu, **Shimin Zheng**. (2014). Vitamin D status and demographic and lifestyle determinants among adults in the United States (NHANES 2001-2006). *Advance Journal of Food Science and Technology*, 6(6); 743-750.
28. Yang Chen, Sheryl Strasser, Yan Cao, Ke-Sheng Wang and **Shimin Zheng**. (2015). Calcium Intake and Hypertension Among Obese Adults in U.S.: Associations and Implications Explored. *Journal of Human Hypertension*, 29(9); 541-547, September 2015.
29. Sreenivas P Veeranki, **Shimin Zheng**. (2014). Trends and Determinants of Up-to-date Screening Status of Colorectal Cancer in Tennessee, 2002-2008. *International Journal of Preventive Medicine*, 5(7); 865-74
30. Sreenivas P Veeranki, Hadii M. Mamudu, James L Anderson, **Shimin Zheng**. (2014). Worldwide Never-Smoking Youth Susceptibility to Smoking. *Journal of Adolescent Health*, 54(2); 144-150.
31. Sreenivas Phanikumar Veeranki, Yan Cao, **Shimin Zheng**. (2015). Twin Faces! Vitamin E and Respiratory and Atopic Diseases. *Annals of Epidemiology*. 09/2014; 24(9): 698. (2.15 Impact Factor).
32. Ashraf AbuSara , **Shimin Zheng** , Yan Cao , Hemang B Panchal , Samit Bhatheja, Eunice Mogusu, Kais Alalbissi, Timir Kumar Pau. (2015). National Trend in Multivessel Percutaneous Coronary Intervention in Patients with Diabetes Mellitus in the United States. *Journal of the American College of Cardiology*, Vol. 66, No. 15, Suppl B.
33. **Shimin Zheng**, Jeff Knisley, Kesheng Wang. (2016). Moments and quadratic forms of matrix variate skew normal distribution. *Communications in Statistics-Theory and Method*, (IF: 0.53). 45(3); 794-803.
34. Southerland J, **Shimin Zheng**, Mark Dula, Yan Cao, Slawson D. (August 2016). Relationship Between Physical Activity and Suicidal Behaviors Among 65,182 Middle School Students. *Journal of Physical Activity & Health*. 13(8); 809-815.
35. Darshan S Shah, Stacy Brown, Jason Pryor, Amy Redmond Kyle, Nick Hagemeyer, **Shimin Zheng**, Nilesh Dankhara, Piyush Singh. (2016). Predictors of Neonatal Abstinence-

nce Syndrome in Buprenorphine Exposed Newborn: Can Cord Blood Buprenorphine Metabolite Levels Help? SpringerPlus 06/2016; 5(1). doi:10.1186/s40064-016-2576-8.

36. **Shimin Zheng**, Nicole Holt, Jodi L. Southerland, Yan Cao, Trevor Taylor, Deborah Leachman-Slawson, Mark Bloodworth. (2016). Prevalence of and risk factors for childhood overweight and obesity in Tennessee using the 2010 youth risk behavior survey (YRBS) data: an analysis using weighted hierarchical logistic regression. *Biometrics & Biostatistics International Journal*. 4(6): 00111. doi: 10.15406/bbij.2016.04.00111.

37. Ying Liu, Kesheng Wang, Mildred Maisonet, Liang Wang, **Shimin Zheng**. (2016). The associations between lifestyle factors and type II diabetes among American middle-aged adults from NHANES 2003-2006. *Journal of Diabetes* (Impact Factor: 2.5) Accepted manuscript online: 17 Oct 2016 09:30pm est | doi: 10.1111/1753-0407. 12492.

38. Casey Morrell, Amy Poole, Megan Quinn, **Shimin Zheng**, Andrew Joyner. (2016) Tennessee Stroke Registration Report, 2015. The poster abstracts selected for presentation at Tennessee Public Health Association meeting this year are being published in the *Tennessee Medicine's eJournal* published by the Tennessee Medical Association

39. Claudia Kozinetz, **Shimin Zheng**, Eunice Mogusu. (2017). The Use of Vital Statistics Data for Population Health: Birth Outcomes in a Rural Region. *Journal of Epidemiology and Preventive Medicine*. 3(1): 123.

40. **Shimin Zheng**, Eunice Mogusu, Sreenivas P Veeranki, Megan Ashley Quinn and Yan Cao. (2017).The Relationship Between the Mean, Median and Mode with Unimodal Grouped Data. *Communications in Statistics-Theory and Method*. 46(9); 4285-4295.

41. Rufaat Mando, Harika Balagoni, Keerthi Reddy, ..., **Shimin Zheng**, ... (2017) Youtube as a Source of Information for Inflammatory Bowel Syndrome: A Critical Appraisal. *Gastroenterology* 152(5): S915. April 2017. DOI: 10.1016/S0016-5085(17) 33 124-4.

Journal Reviewer

01. Biometrics & Biostatistics International Journal, ISSN: 2378-315X
Associate Editor 2015-2018 <http://medcraveonline.com/BBIJ/editorial-board>

02. Reports on Epidemiology and Medical Statistics. <http://www.vipoa.org/pidemoledstat>

03. Advances and Applications in Statistics

04. Journal of Applied Probability and Statistics

05. Statistics -- A Journal of Theoretical and Applied Statistics

06. Communications in Statistics-Theory and Method

07. Public Health Reports
08. Journal of Statistical Theory and Practice
09. The American Journal of Cardiology
10. Revista Matemática Complutense
11. Chinese Journal of Applied Probability
12. Journal of Probability and Statistics
13. Journal of the American Heart Association

Reviewed Books

01. Arjun K. Gupta, D. G. Kabe (2012). Design and Analysis of Experiments. *World Scientific Publishing*.

Invited Presentations

01. **Shimin Zheng**. Skew Elliptically Contoured Distribution with Application to Real Longitudinal Data, Department of Biostatistics, the College of Public Health University of Iowa, March 29 2010.
02. **Shimin Zheng**. Random Regression Models for the Longitudinal Data Analysis Subject to Left Censoring and Informative Drop-outs and Based On The Skew Elliptically Contoured Distribution Assumptions, department of mathematics and statistics, Bowling Green State University, April 13 2012.
03. **Shimin Zheng**. Receiver Operating Characteristic Curve And Area Under Curve - Theory and Application, department of psychiatry ETSU, February 17 2017.

Doctoral Dissertations Directed

01. *Exploring the Unique Characteristics of Cancer in Adolescents and Young Adults in Tennessee*, **Megan Quinn**, Department of Biostatistics and Epidemiology East Tennessee State University, defended on Monday, March 19, 2012 Lamb Hall, Room 143, 12:30 p.m.
02. *Understanding worldwide youth susceptibility to smoking, exposure to environmental tobacco smoke and attitudes toward smoke-free policies*, **Sreenivas Phanikumar Veeranki**, Department of Biostatistics and Epidemiology East Tennessee State University, defended on June 25, 2012.

03. *Examining Stage at Diagnosis and Survival in Three Cancers with Definitive Screening Guidelines for Average-risk Adults: The Role of Marital Status*, **David John Blackley**, Department of Biostatistics and Epidemiology East Tennessee State University, defended on March 21, 2012.

04. *Exploring the Role of Religiosity on Suicidal Ideation: A Study among a Population-Based Sample of Adolescents in the United States*, **Grace E. Tettey**, Department of Community and Behavioral Health, COPH East Tennessee State University, defended on May 22, 2014.

05. *Assessing the Social and Ecological Factors that Influence Childhood Obesity*, **Katie Callahan-Myrick**, Department of Biostatistics and Epidemiology East Tennessee State University, defended on September 29, 2014.

06. **Nicole Holt**, Department of Biostatistics and Epidemiology East Tennessee State University, defended on October 27, 2016.

07. **Billy Brooks**, Department of Biostatistics and Epidemiology East Tennessee State University, defended on June 18, 2015.

08. **Abraham Basil Alhassan**, Department of Biostatistics and Epidemiology East Tennessee State University (under preparation, will defense in 2017).

09. **Ifeoma Ozodiegwu**, Department of Biostatistics and Epidemiology East Tennessee State University (under preparation, will defense in 2018).

10. **Emmanuel Odame**, Department of Environmental Health, East Tennessee State University (under preparation, will defense in 2018).

Research Projects (2006-present)

01. Shimin Zheng (Co-I). *Interventions to Improve Colon Cancer Screening in Poor Rural Iowa Counties*. ACS, 2008-2010.

02. Shimin Zheng (Co-I). *Comparative Effectiveness of FIT vs. colonoscopy for colon cancer screening*. NIH R15, 2009-2010.

03. Shimin Zheng (Co-I). *Management by Primary Care Clinicians of Patients Suspected of Having Community-Acquired, Methicillin-Resistant Staphylococcus Aureus (CA-MRSA)*. AHRQ, 2008-2010.

04. Shimin Zheng (Statistician). *Iowa Research Network (IRENE): A Rural Primary Care Practice Based Research Network*. AHRQ, 2008-2010.

05. Shimin Zheng (Statistician). *An evaluation of the Wise QI program screening*. NIH R15, 2008-2009.
06. Shimin Zheng (Statistician). *Treatment prediction in adolescent and adult depression*. NIH R15, 2006-2008.
07. Shimin Zheng (Statistician). *Stress response and smoking cessation in youth using a randomized, double-blind, placebo-controlled design*. NIH R15, 2006-2008.
08. Shimin Zheng (Statistician) *Risk for substance abuse in depressed adolescents*. NIH R01, 2006-2008.
09. Shimin Zheng (Co-I). *Wellness Partners: Adaptation of CATCH Kids Club and the NIH We Can! Curricula to Prevent Child Obesity in Afterschool Care Settings*. NIH R15 (not funded), 2012-2014. PI, Schetzina, Karen Elizabeth, Division of Community Pediatrics Research, ETSU.
10. Shimin Zheng (PI). *Symptoms, Diagnosis and Causes of Late-Life Depression: A Transcultural Study*. ETSU RDC (not funded), March 2011.
11. Shimin Zheng (Co-I). *Translating research into practice: A randomized, controlled pilot trial using recombinant human Nerve Growth Factor, β -subunit (rhNGF- β) for the treatment of tobacco dependence*. Pfizer grant (not funded), 2013-2015. PI, Mamudu HM, Department of Health Services Management and Policy, ETSU.
12. Shimin Zheng (Co-I). *The effects of CAC screening information in cardiovascular health management among asymptomatic rural low-income population*. AHA (not funded), 2013-2015. PI, Mamudu HM, Department of Health Services Management and Policy, ETSU.
13. Shimin Zheng (Co-I). *Depression and Household Dynamics: Risk for Abuse, Neglect and Exploitation Among Older Adults*. National Institute on Aging NIA, (not funded), 2013-2014. PI, Sheryl M. Strasser Institute of Public Health, GSU.
14. Shimin Zheng (Statistical Consultant). *Bayes Factors for Non-Inferiority Studies*. NIH, (not funded), 2012-2013. PI, Alfred A. Bartolucci at UAB.
15. Shimin Zheng (Co-I. 30%). *Tennessee Coordinated School Health Evaluation*. PI: Deborah L. Slawson. Submitted date: December 2012. Total Budget: \$ 588,547.00. Funding Agency: Tennessee Department of Education (not funded)
16. Shimin Zheng (Co-I). ETSU RDC *Exploring Gender, Violence, and Women's Health in Developing Countries: A pilot study in Haiti and South Africa*. (not funded)
17. Shimin Zheng (PI). ETSU RDC small grant, *Moments of Matrix Variate Skew Elliptical Contoured Distributions*. 2013-2014, \$440.

18. Shimin Zheng (Co-PI). TBR Diversity Research Grants. *Characterization of the metabolic profile of Hispanic at-risk pediatric population in Northeast Tennessee*. 07/01/2014-06/30/2015, \$39,846.80
19. Shimin Zheng (Co-PI). TBR Diversity Research Grants. *Distal Radius Bone Mineral Density (BMD): Diagnosis and Follow-up of Male Patients with Osteoporosis*. 07/01/2014-06/30/2016, \$29,400.00.
20. Shimin Zheng (Co-I). *Efficacy of absorption enhanced vitamin D₃ in males over 50 with hypovitaminosis D and absorption resistance*. NIH, (not funded), 2014-2017. Total federal funds requested, \$1,619,327.00. PI, William Andrew Clark at ETSU.
21. Shimin Zheng (Co-I). *To inform our knowledge about barriers to, and facilitators of, contraceptive use among women that are on long-term pain or opioid maintenance therapies*. Tennessee Department of Health, (not funded), 2014-2015. Total state funds requested, \$59,595. PI, Katie Baker at ETSU.
22. Shimin Zheng (Co-I). *ETSU Prescription Drug Abuse Prevention Research Center*. CDC (not funded), 2014-2019. Total funds requested, \$20,059,595. PI, Robert Pack at ETSU.
23. Shimin Zheng (PI). Subcontract. *Georgia Substance Use Prevention Outcomes Project (GSUPOP)*. 11/1/2014 - 10/31/2015, \$47,085.00. Prime Sponsor: Georgia Department of Behavioral Health and Developmental Disabilities Sheryl Strasser (PI) 11/01/14-10/31/15. Goal: Enhance data capacity among stakeholders to identify priority needs, target high risk groups, and identify and use data driven strategies to address prescription drug, marijuana, alcohol misuse and abuse by youth ages 9 to 25.
24. Shimin Zheng (Evaluator). *Healthy Kingsport—Partnerships to Improve Community Health* CDC DP14-1417. CDC (not funded), 2014-2017. Total funds requested, \$652,608.00. PI, Debbie Slawson at ETSU.
25. Shimin Zheng (Co-I). *Characterization of the metabolic profile of an Hispanic at-risk pediatric population in Northeast Tennessee* (not funded), 2014-2015. Total funds requested, \$50,000.00. PI, Arsham Alamian at ETSU.
26. Shimin Zheng (Co-PI). TBR Diversity Research Grants. *Comparing the Health Status and Health Care Access of Children in South Central Appalachia to Children in the United States*. PI, Dr. David Wood. Submitted in Feb 2015 (not funded).
27. Shimin Zheng (Co-I). NIH. *Population Health: Birth Outcomes in East and Northeast Tennessee*, 2009-2013. PI, Dr. Claudia Kozinetz (not funded). Submitted in Feb 2015.
28. Shimin Zheng (Co-I). NIH. *Alcohol (ethanol)-induced fatty liver disease (AFLD) and risk factors*. PI, Dr. Peterson, Jonathan M (not funded). Submitted in Feb 2015.

29. Shimin Zheng (Co-I). NIH R03, Gene X lifestyle interactions in obesity and type 2 diabetes. The PI of this submission is Dr. Kesheng Wang (not funded). Submitted: June 2015.

30. Shimin Zheng (Co-I). NIH R03, Begin Early Vaccination in Appalachia: Development of Research Methodology. The PI of this submission is Dr. Claudia Kozinetz (not funded). Submitted: Feb 2015.

31. Shimin Zheng (PI). NIH R03, Sample Size Determination for Achieving High Stability and Accuracy of Parameter Estimations in Simple Linear and Logistic Regression. (not funded). Submitted: October 2015.

32. Shimin Zheng (Biostatistics advisor). Tennessee Stroke Registry Quarterly Newsletter, 2014 Report Released July 2015.

33. Shimin Zheng (Co-I). NIH R01. Establishing the novel adipokine CTRP3 as an inhibitor of fatty liver disease. PI, Dr. Peterson, Jonathan M (not funded). Submitted in Feb 2016.

34. Shimin Zheng (Statistician). ETSU Internal grant. National trends in multivessel percutaneous coronary intervention in the United States and trends, prevalence, inpatient outcomes, length of stay, hospitalization cost and predictors of poor outcomes of hospitalization for heart failure with preserved ejection fraction in the United States: an analysis from nationwide inpatient sample. (July 1 2015-June 30 2016).

35. Shimin Zheng (Co-I). NHIS, National Center for Health Statistics. A Study Comparing the Health Status and Health Care Access of Children in Central Appalachia and South Central Appalachia to Children in the US. PI, Dr. David Wood (not funded). Accepted, ongoing research.

36. Shimin Zheng (Biostatistics advisor). Tennessee Stroke Registry Quarterly Newsletter, 2015 Report Released July 2016.

37. Shimin Zheng (Biostatistician Co-investigator). Evaluation of the South Carolina Initiative to Reduce Unintended Pregnancy. PI: Amal Khoury (Feb 2017 – Jan 2023). Founding Agency: New Morning Foundation, 25% of my salary covered.

Goal: Increasing access to contraception among South Carolinian women, leading to reductions in unintended pregnancy, births and abortions, and corresponding savings in health care costs.

38. Shimin Zheng (Co-investigator). Disruption of trkb signaling pathways in excitatory pyramidal neurons and surrounding GABAergic inhibitor. PI: Michelle Chandley (9/1/17 –8/30/20). (Under review)
Founding Agency: NIH

Professional Affiliations

American Statistical Association

Service Information

Intuitional Service

1. *University Service*

09/2011-09/2014	University Faculty Senate
08/2013-Present	University High Performance Computer Cluster Advisory Committee
01/2012-Present	ETSU Institute for Quantitative Biology Committee (IQB was renamed to CaRDS on 8/10/2015, see Deb's email 8/10/2015)

2. *College and Department Service*

01/2011-01/2015	MPH Admission Committee
09/2011-09/2014	CPH Faculty Council
09/2013-12/2013	Department Epidemiology Faculty Search Committee
06/2013-07/2014	Department Chair Search Committee
09/2014-05/2015	Department Biostatistics Faculty Search Committee
10/2014-xx/xxxx	COPH Ad-hoc Committee
01/2015-05/2015	Department Project Coordinator Search Committee
08/2015-xx/xxxx	Faculty and Staff Awards Committee
Fall 2016	Dept Tenure and Promotion Committee Chair for Arsham Alamian
Fall 2016	Dept Tenure and Promotion Committee Chair for Liang Wang
Spring 2016--	Dept Biostatistics and Epidemiology certificate program admission committee

Personal Interests

Table Tennis, Reading, Music, Movies.