

CURRICULUM VITAE

JIHONG LIU, ScD

BUSINESS

Department of Epidemiology & Biostatistics
Arnold School of Public Health
University of South Carolina
915 Greene St. Discovery 459
Columbia, SC 29208
Telephone: (803) 777-6854
Fax: (803) 777-2524
Email: jliu@mailbox.sc.edu

EDUCATION

- 2003 Doctor of Science in Population and International Health
Harvard University, USA
Concentration: Population and Reproductive Health
Minors: Epidemiology and Biostatistics
- 1989 Bachelor of Arts in English Literature and Linguistics
Xiangtan University, China

PROFESSIONAL EXPERIENCE

- 1/2005 - present Tenured Professor (2017-), Tenured Associate Professor (2011-2016),
Tenure-track Assistant Professor (2005-2010), Department of Epidemiology
& Biostatistics, Arnold School of Public Health, University of South Carolina
(UofSC)
- 2020 – present Director, UofSC Maternal and Child Health (MCH) Catalyst Program; UofSC
MCH Leadership, Education, and Advancement in Undergraduate Pathways
(LEAP) program
- 2022 - present Faculty Affiliate, the South Carolina SmartState Center for Healthcare
Quality, Arnold School of Public Health, UofSC
- 2019 – present Faculty Affiliate, Rural and Minority Health Research Center
- 2017 – present Visiting Professor, China Medical University
- 2012 – present Faculty Affiliate, Prevention Research Center, Arnold School of Public
Health, UofSC
- 2007 – present Faculty Affiliate, the Nutrition Consortium (former name: Center for
Research in Nutrition and Health Disparities), Arnold School of Public
Health, UofSC
- 2012 – 2016 Visiting health scientist, Division of Research, Maternal and Child Health
Bureau, Health Resources and Services Administration
- 2006 – 2011 Faculty Affiliate, South Carolina Rural Health Research Center, Arnold
School of Public Health, UofSC

- 2003 – 2004 Centers for Disease Control and Prevention/Health Resources and Services Administration (CDC/HRSA) Maternal and Child Health Epidemiology Fellowship, assigned to work at Oregon Department of Human Services, Office of Family Health
- 1999 –2003 Research Assistant/Consultant, Children's Hospital Boston, Harvard Medical School
- 1999 –2000 Project Coordinator, Gansu Survey of Children and Families I. Harvard Graduate School of Education
- 1998 –1999 Research Assistant, Department of Population and International Health, Harvard School of Public Health
- 1991 –1996 Section Chief / Program Officer, Department of Foreign Affairs, the State Family Planning Commission of China
- 1989 –1991 Assistant Lecturer, China Academy of Traditional Chinese Medicine

ACADEMIC AWARDS AND DISTINCTIONS

- 2020 Best Poster Award (Social Science). 2020 Carolina Women's Health Research Forum Awards, University of South Carolina
- 2013, 2014 Nominee for the James A. Keith Excellence in Teaching Award, Arnold School of Public Health, University of South Carolina
- 2012 Best Abstract Award (Social Science), the Carolina Women's Health Research Forum, University of South Carolina
- 2012 - Present Delta Omega Honorary Society in Public Health (Mu Chapter)
- 2009 Best Faculty Abstract Award (Clinical Science), the Carolina Women's Health Research Forum, University of South Carolina
- 2008 Josephine Abney Faculty Fellowship Award, Women's Studies Program, University of South Carolina
- 2006 Young Professional Achievement Award, National Maternal and Child Health (MCH) Epidemiology Awards sponsored by CDC and 15 national health organizations
- 2003 – 2005 MCH Epidemiology Fellowship, Centers for Disease Control and Prevention/Health Resources and Services Administration (CDC/HRSA)
- 2002 – 2003 Certificate of Distinction in Teaching, Department of Biostatistics, Harvard School of Public Health
- 2000 – 2001 Predoctoral Dissertation Fellowship in Social Science, The Population Council
- 1999 – 2000 Saltonstall Graduate Associate, Harvard Center for Population and Development Studies, Harvard University
- 1997 – 2000 The Clarence and Anne Dillon Dunwalke Scholarship, Harvard School of Public Health

AREAS OF RESEARCH INTEREST

Perinatal epidemiology, obesity and physical activity, health disparities, social determinants of health, COVID, reproductive health, international health

PUBLICATIONS

Underlined are student authors. *Corresponding author

ARTICLES IN PEER-REVIEWED JOURNALS – IN PRINT

1. **Liu J**, Hung P, Liang C, Zhang J, Qiao S, Campbell B, Olatosi B, Torres ME, Hikmet N, Li X. Multilevel Determinants of Racial/Ethnic Disparities in Severe Maternal Morbidity and Mortality in the Context of the COVID-19 Pandemic in the United States: protocol for a concurrent triangulation, mixed methods study. *BMJ Open*. 2022;12:e062294. doi:10.1136/bmjopen-2022-062294. PMID: 35688597. PMCID: PMC9189547.
2. **Liu J**, Wilcox S, Hutto B, Turner-McGrievy G, Wingard E. Effects of a lifestyle intervention on postpartum weight retention among women with elevated weight. *Obesity*. 2022;30: 1370-1379. doi:10.1002/oby.23449. PMID: 35722816. PMCID: PMC9307422
3. Deardorff J, Tissue M, Elliott P, Handler A, Vamos C, Bonilla Z, Turchi R, Obeng CS, **Liu J**, Grason H. The critical value of maternal and child health (MCH) to graduate training in public health: A framework to guide education, research, and practice. *Maternal and Child Health Journal*. 2022. 10.1007/s10995-022-03401-w. PMID: 35524927. PMCID: PMC9077345.
4. Ma XN, Bell BA, White K, **Liu J**, Liese AD. Food acquisition and shopping patterns in the United States: Characteristics and relation to body mass index in the US Food Acquisition and Purchase Survey. *J. Acad Nutr Diet*. 2021. Sep 22; S2212-2672(21)01338-1. Doi:10.1016/j.jand.2021.09.013. PMID: 34560291.
5. Elmore AL, Omofuma O, Sevoyan M, Richard C, **Liu J**. Prescription opioid use among women of reproductive age in the United States, NHANES 2005-2018. *Preventive Medicine*. 2021. 153, <https://doi.org/10.1016/j.ypmed.2021.106846> PMID: 34653502. PMCID: PMC8595805
6. Zhu XX, **Liu J***, Sevoyan M, Pate RR. Acculturation and leisure-time physical activity among Asian American adults in the United States. *Ethnicity & Health*. 2021. September. 10.1080/13557858.2021.1979193 PMID: 34538159
7. Lane-Cordova AD, Wilcox S, Fernhall B, **Liu J**. Agreement between blood pressure from research study visits versus electronic medical records and associations with hypertensive disorders diagnoses in pregnant women with overweight/obesity. *Blood Pressure Monitoring*. 2021. 26 (5): 341-347. doi:10.1097/MBP. 0000000000000542. PMID: 34001756
8. **Liu J***, Hung P, Alberg AJ, Hair NL, Whitaker KM, Simon J, Taylor SK. Mental Health among Pregnant Women with COVID-19 Related Stressors and Worries in the United States. *Birth: Issues in Perinatal Care*. 2021;48:470-479. <http://doi.org/10.1111/birt.12554>. PMID: 34008216. PMCID: PMC8239832
9. Rothenberg SE, Korrick SA, **Liu J**, Nong YF, Nong H, Hong C, Trinh EP, Jiang X, Biasini FJ, Ouyang FX. Maternal methylmercury exposure through rice ingestion and child neurodevelopment in the first three years: a prospective cohort study in rural China.

Environmental Health. 2021 20:50 <https://doi.org/10.1186/s12940-021-00732-z>
PMID: 33910568. PMCID: PMC8082930

10. Rothenberg SE, Chen QR, Shen J, Nong YF, Nong H, Trinh EP, Biasini FJ, **Liu J**, Zeng X, Zou Y, Ouyang F, Korrick SA. Neurodevelopment correlates with gut microbiota in a cross-sectional analysis of children at 3 years of age in rural China. 2021. *Scientific Reports*. Apr 1;11(1):7384. Doi: 10.1038/s41598-021-86761-7. PMID: 33795717.
11. **Boutte AK**, Turner-McGrievy GM, Wilcox S, **Liu J**, Eberth JM, Kaczynski AT. Stress and depressive symptoms are not associated with overall diet quality, but are associated with aspects of diet quality in pregnant women in South Carolina. *J.Acad Nutr Diet*. 2021 Apr 13:S2212-2672(21)00147-7. Doi://10.1016/j.jand.2021.02.025. online ahead of print. PMID: 33858775.
12. **Liu J***, Wilcox S, Wingard E, Turner-McGrievy GM, Hutto B, Burgis J. A Behavioral Lifestyle Intervention to Limit Gestational Weight Gain in Pregnant Women with Overweight and Obesity. *Obesity*. 2021 <http://doi.org/10.1002/oby.23119>. PMID: 33619910. PMCID: PMC9206885.
13. Whitaker KM, Hung P, Alberg AJ, Hair N, **Liu J**. Variations in Health Behaviors among Pregnant Women During the COVID-19 Pandemic. *Midwifery*. 2021;95:102929. PMID: 33508485.
14. **Boutte AK**, Turner-McGrievy GM, Wilcox S, **Liu J**, Eberth JM, Kaczynski AT. Associations of maternal stress and/or depressive symptoms with diet quality during pregnancy: A systematic review. *Nutrition Reviews*. 2021 Apr 7; 79(5): 495-517. doi:10.1093/nutrit/nuaa019. PMID: 32529223.
15. **Boutte AK**, Turner-McGrievy GM, Eberth JM, Wilcox S, **Liu J**, Kaczynski AT. Healthy food density is not associated with diet quality among pregnant women with overweight/Obesity in South Carolina. *J Nutr Educ Behav*. 2021 Feb;53(2),120-129. doi:10.1016/j.jneb.2020.11.014. PMID: 33573765
16. **Liu J***, Wilcox S, Wingard E, Burgis JT, Schneider L, Dahl A. Strategies and challenges in recruiting overweight and obese pregnant women for a behavioral lifestyle intervention program. *Women's Health Reports*. 2020. 1:1, 556–565, DOI: 10.1089/whr.2020.0089. PMID: 33786522
17. Merchant A, **Liu J**, Reynolds M, Beck J, Zhang J. Quantile regression to estimate the survivor average causal effect (SACE) of periodontal treatment effects on birthweight and gestational age. *Journal of Periodontol*. 2020 Nov. 5. DOI: 10.1002/JPER.20-0376 PMID: 33155296
18. **Wende M**, **Liu J***, McLain A, Wilcox S. Trends in gestational weight gain in South Carolina, 2004-2015. *Pediatric and Perinatal Epidemiology*. 2020. <https://doi.org/10.1111/ppe.12706>. PMID: 33196107
19. **Kase BE**, **Liu J***, Wirth MD, Shivappa N, Hebert JR. Association between dietary inflammatory index and sleep problems among adults in the United States, NHANES 2005-2016. *Sleep Health Journal*. 2020 Oct. 15; S2352-7218(20)30239-4. DOI:10.1016/j.sleh.2020.09.002. PMID: 33071202.
20. Whitaker KM, Baruth M, Schlaff RA, Connolly CP, **Liu J**, Wilcox S. Association of provider advice and gestational weight gain in twin pregnancies: a cross-sectional electronic survey. *BMC Pregnancy and Childbirth*. 2020. DOI: 10.1186/s12884-020-03107-3. PMID: 32703169. PMCID: PMC7376962.

21. McDonald SM, Yeo SA, **Liu J**, Wilcox S, Sui XM, Pate RR. Associations Between Change in Maternal Physical Activity and Infant Size in a Sample Overweight or Obese Women. *Women & Health*. 2020 Jun 26;1-10. Doi:10.1080/03630242.2020.1779904. PMID: 32588785
22. Whitaker KM, Becker C, Healy H, Wilcox S. **Liu J**. Women's report of health care provider advice and gestational weight gain: A systematic review. *J Women's Health*. 2020. Apr 27;. Doi:10.1089/jwh.2019.8223. PMID: 32343926
23. Luo K, **Liu J**, Wang YQ, Aimuzi R, Luo F, Ao J, Zhang J. Association between organophosphate esters and sex hormones among 6-19-year old children and adolescents in NHANES 2013-2014. *Environment International*. 2020. Jan 10; 136:105461. Doi:10.1016/j.envint.2020.105461. PMID: 31931349.
24. Whitaker KM, Baruth M, Schlaff RA, Talbot H, Connolly CP, **Liu J**, Wilcox S. Provider advice on physical activity and nutrition in twin pregnancies: a cross-sectional electronic survey. *BMC Pregnancy and Childbirth*. 2019. 19(1), 418. Doi:10.1186/s12884-019-2574-2. PMID: 31727013
25. Lane-Cordova A, Schneider L, Tucker W, Cook J, Wilcox S, **Liu J**. Dietary Sodium, Potassium, and Blood Pressure in Normotensive Pregnant Women: The National Health and Nutrition Examination Survey. *Applied Physiology, Nutrition, and Metabolism*. 2019. Jun 28. Doi:11.1139/apnm-2019-0186. PMID: 31251883
26. Hughey SM, Kaczynski AT, Porter DE, Hibbert J, Turner-McGrievy B, **Liu J**. Development and testing of a multicomponent obesogenic built environment measure for youth using kernel density estimations. *Health Place*. 2019 Mar;56:174-183.doi:10.1016/j.healthplace.2019.01.011. Epub 2019. Feb 18. PMID: 30785028
27. Liu JX, Boghossian NS, Frongillo EA, Cai B, Hazlett L, **Liu J***. Associations of maternal gestational weight gain with the risk of offspring obesity and body mass index Z scores above the mean. *Annals of Epidemiology*. doi:10.1016/j.annepidem.2019.01.007. PMID: 30799201.
28. McDonald SM, **Liu J**, Wilcox S, Sui XM, Pate RR. Maternal physical activity prior to and during pregnancy does not moderate the relationship between maternal weight and infant macrosomia. *The Journal of Science and Medicine in Sport*. 2019 Feb;22(2): 186-190.doi:10.1016/j.jsams.2018.07.013. Epub 2018 Jul. 21. PMID: 30055958
29. Hunt E, Brazendale K, Dunn C, Boutte A, **Liu J**, Hardin J, Beets MW, Weaver RG. Income, race, and its association with obesogenic behaviors of U.S. children and adolescents, NHANES 2003-2006. *Journal of Community Health*. 2019. PMID: 30659412
30. Liu JX, **Liu J**, Frongillo EA, Boghossian N, Hazlett L, Cai B, Zhou H. Body mass index trajectories during the first year of life and their determining factors. *Am J Hum Biol*. 2019;31(1):e23139. doi: 10.1002/ajhb.23188. PMID: 30499610.
31. **Liu J***, Yu SM. Prioritizing top health issues in China beyond 2018—a health equity perspective. *Am J Public Health*. 2018 Dec; 108(12): 1599-1601. doi: 10.2105/AJPH.2018.304776. PMID: 30403522
32. Swayampakala K, Thrasher JF, Hardin JW, Titus AR, **Liu J**, Fong GT, Fleischer NL. Factors associated with changing cigarette consumption patterns among low-intensity smokers: Longitudinal findings across four waves (2008-2012) of ITC-Mexico survey. *Additive Behaviors Reports*. 2018 Oct 10;8:154-163. doi: 10.1016/j.abrep.2018.10.002.

ecollection. PMID: 30364679, PMCID: PMC6197769

33. Wang B, Liu J, Zhang Y, Yang C, Wang H, Jiang F, Li F, Zhang J. Prenatal exposure to antibiotics and risk of childhood obesity in a multi-center cohort study. *Am J Epidemiol*. 2018 Oct 1;187(10):2159-2167. doi:10.1093/aje/kwy122. PMID: 29893794.
34. Hughey SM, Kaczynski AT, Porter DE, Hibbert J, Turner-McGrievy B, Liu J. Spatial clustering patterns of child weight status in a southeastern US county. *Applied Geography*. 99 (2018) 12-21.
35. McDonald SM, Yeo S, Liu J, Wilcox S, Sui XM, Pate RR. Associations Between Maternal Physical Activity and Fitness During Pregnancy and Infant Birthweight. *Preventive Medicine Reports*. 2018 Apr 27; 11:1-6. doi: 10.1016/j.pmedr.2018.04.019. eCollection 2018 sep. PMID: 30065908, PMCID: PMC6066610
36. Ma XN, Sharpe PA, Bell BA, Liu J, White K, Liese AD. Food acquisition and shopping patterns among residents of low-income and low-access communities in South Carolina. *The Journal of the Academy of Nutrition and Dietetics*. 2018 Oct; 118(10): 1844-1854. doi:10.1016/j.jand.2018.04.017. Epub 2018 Jul 24. PMID: 30049654; PMCID: PMC6162113
37. Anderson AP, Park YM, Shrestha D, Zhang J, Liu J, Merchant AT. Cross-sectional association of physical activity and periodontal antibodies. *Journal of Periodontology*. 2018 Dec;89(12): 1400-1406. doi: 10.1002/JPER.17-0709. Epub 2018 Aug 10. PMID: 29958328
38. Merchant AT, Sutherland MW, Liu J, Pitiphat W, Dasanayake A. Periodontal treatment among mothers with mild to moderate periodontal disease and preterm birth: reanalysis of OPT trial data accounting for selective survival. *International Journal of Epidemiology*. 2018 Oct 1;47(5): 1670-1678. doi:10.1093/ije/dyy089. PMID: 29868830
39. Wilcox S*, Liu J*, Addy C, Turner-McGrievy G, Burgis J, Wingard E, Dahl AA, Whitaker KW, Schneider L, Boutte A. A randomized controlled trial to prevent excessive gestational weight gain and promote postpartum weight loss in overweight and obese women: Health In Pregnancy and Postpartum (HIPPP). *Contemp Clin Trials*. 2018 Mar;66:51-63. PMID: 29371061. PMCID: PMC5841597.
40. Liu JX, Liu J*, Frongillo EA, Boghossian N, Cai B, Hazlett L. Body mass index trajectories during the first year of life and childhood obesity at six years old. *Annals of Epidemiology*, 2017 Nov; 27(11): 708-715. e1. Doi: 10.106/j.annepidem.2017.10.008. PMID: 29173577.
41. Polinski K, Liu J*, Boghossian N, McLain A. Maternal Obesity, Gestational Weight Gain, and Asthma in Offspring. *Prev Chronic Dis.*, 2017 Nov 9; 14:E109. doi: 10.5888/pcd14.170196. PMID: 29120703.
42. Lynes C, McLain A, Yeung E, Albert P, Liu J, Boghossian N. Interpregnancy weight change and adverse maternal outcomes. *Annals of Epidemiology*. 2017 Oct;27(10):632-637 e5. doi: 10.1016/j.annepidem.2017.09.008. Epub 2017 Sep 21. PMID: 29033119.
43. Liu JX, Xu XL, Liu JH, Hardin JW, Li RW. Association of maternal gestational weight gain with their offspring's anthropometric outcomes at late infancy and 6 years old: mediating roles of birth weight and breastfeeding duration. *Int J Obes (Lond)*. 2017 Aug 4. doi: 10.1038/ijo.2017.183. [Epub ahead of print]. PMID: 28775373.
44. Hong C, Yu XD, Liu J, Cheng Y, Rothenberg SE. Low-level methylmercury exposure through rice ingestion in a cohort of pregnant mothers in rural China. *Environmental Research*. 2016 October; 150: 519-527. Doi:10.1016/j.envires.2016.06.038. PMID:

27423706. PMCID: PMC5003649

45. Rothenberg SE, Yu XD, **Liu J**, Biasini F, Hong C, Jiang X, Nong YF, Cheng Y, Korrick SA. Maternal Methylmercury Exposure Through Rice Ingestion in Rural China and Offspring Neurodevelopment: A Prospective Cohort Study. *International Journal of Hygiene and Environmental Health*. 2016 Nov. 219(8): 822-842 PMID:27503636
46. Featherstone P, Eberth JM, Nitcheva D, **Liu J**.^{*} Geographic accessibility to health services and neonatal mortality among very-low birthweight infants in South Carolina. *Maternal and Child Health Journal*. 2016 Jul 12; doi 10.1007/s10995-016-2065-2. PMID 27406152
47. Whitaker KM, Wilcox S, **Liu J**, Blair SN, Pate RR. Provider advice and women's intentions to meet weight gain, physical activity, and nutrition guidelines during pregnancy. *Maternal and Child Health Journal*. 2016 Jul 11. doi 10.1007/s10995-016-2054-5. PMID 27400917
48. Davis HT, Aelion CM, **Liu J**, Burch JB, Cai B, Lawson AB, McDermott S. Potential sources and racial disparities in the residential distribution of soil arsenic and lead among pregnant women. *Science of the Total Environment*. 2016 May 1;551-552:622-30. doi: 10.1016/j.scitotenv.2016.02.018. PMID 26897405, PMCID: PMC4808624
49. **Liu J**, Whitaker K, Yu SM, Chao SM, Lu MC. Association of provider advice and pregnancy weight gain in a predominantly Hispanic population. *Women's Health Issues*. 2016 May-Jun;26(3): 321-8. doi: 10.1016/j.whi.2016.01.004. PMID 26922386.
50. Whitaker KM, Wilcox S, **Liu J**, Blair SN, Pate RR. African American and white women's perception of weight gain, physical activity, and nutrition during pregnancy: A qualitative study. *Midwifery*. 2016 Mar;34:211-20. doi: 10.1016/j.midw.2015.11.005. PMID 26612000. PMCID PMC4792697
51. Whitaker K, Wilcox S, **Liu J**, Blair SN, Pate RR. Pregnant women's perceptions of weight gain, physical activity, and nutrition using Theory of Planned Behavior Constructs. *Journal of Behavioral Medicine*. 2016 Feb;39(1): 41-54. PMID 26335313; PMCID PMC4753045. doi:10.1007/s10865-015-9672-z
52. Whitaker KM, Wilcox S, **Liu J**, Blair SN, Pate RR. Patient and provider perceptions of weight gain, physical activity and nutrition counseling during pregnancy: a qualitative study. *Women's Health Issues*. 2016, Jan-Feb;26 (1): 116-122. PMID 26621605, PMCID PMC4690786. doi:10.1016/j.whi2015.10.007
53. Boghossian NS, Orekoya O, Liu JX, **Liu JH**. Pregnancy interventions or behaviors and cardiometabolic biomarkers: A systematic review. *Current Epidemiology Reports*. 2016, February. doi 10.1007/s40471-016-0061-0
54. Ma X, **Liu J**, Hardin JW, Zhao G, Liese AD. Neighborhood Food Access and Birth Outcomes in South Carolina. *Maternal and Child Health J*. 2015 Oct 16. [Epub ahead of print] PMID: 26475580. doi:10.1007/s10995-015-1818-7
55. Trivedi T, **Liu J**^{*}, Probst JC, Merchant AT, Jones SJ, Martin AB. Urban-rural residence, Obesity-related behaviors, and obesity among US adults: 1999-2006. *Rural and Remote Health*. 2015 Oct-Dec;15(4):3267. Epub 2015 Oct. 13. PMID 26458564
56. Zhai LL, **Liu J**, Zhao J, Liu JX, Bai YL, Jia LH, Yao XJ. Association of obesity with the onset of puberty and sex hormones in Chinese girls: a 4-year longitudinal study. *PLoS*. 2015 August 6; 10(8):e0134656. PMID: 26247479; PMCID: PMC4527677

57. Yu SM, Newport-Berra M, **Liu J**. Out-of-School Time Activity Participation among US-Immigrant Youth. *Journal of School Health*. 2015 May; 85(5): 281-8. PMID: 25846307
58. **Liu J**, Wilcox S, Whitaker K, Blake C, Addy C. Preventing excessive weight gain during pregnancy and promoting postpartum weight loss: A pilot lifestyle intervention for overweight and obese African American women. *Maternal and Child Health Journal*, 2015 April; 19(4). 840-9. PMID 25051907; PMCID: PMC4305038
59. McDonald SM, **Liu J**, Wilcox S, Lau E, Archer E. Does dose matter in reducing gestational weight gain in exercise interventions? A systematic review of literature. *Journal of Science and Medicine in Sport*. 2015 Mar 26. pii: S1440-2440(15)00059-6. PMID: 25846125
60. Harris ST, **Liu J**,* Wilcox S, Moran R, Gallagher A. Physical activity during pregnancy and its association with gestational weight gain. *Maternal and Child Health Journal*. 2015 Mar, 19(3): 528-37. PMID: 24912945
61. Ma XG, Fleischer NL, **Liu J**, Hardin J, Zhao G, Liese AD. Neighborhood deprivation and preterm birth: an application of propensity score matching. *Annals of Epidemiology*. 2015 Feb; 25(2): 120-5. PMID: 25523896.
62. Lau E, Liu JX, Archer E, McDonald SM, **Liu JH***. Maternal weight gain in pregnancy and risk of obesity among offspring: a systematic review. *Journal of Obesity*. 2014: 524939. Epub 2014 Oct 2. PMID: 25371815; PMCID: PMC4202338
63. Cavicchia P, **Liu J**, Adams SA, Steck SE, Hussey JR, Daguise VG, Hebert JR. Proportion of gestational diabetes mellitus attributable to overweight and obesity among non-Hispanic black, non-Hispanic white, and Hispanic women in South Carolina. *Maternal and Child Health Journal*. 2014 Oct; 18(8): 1919-26. PMID: 24531925
64. Liu JX, Sui X, Lavie CJ, Zhou H, Park YM, Cai B, **Liu J**, Blair SN. Effects of cardiorespiratory fitness on blood pressure trajectory with aging in a cohort of healthy men. *Journal of the American College of Cardiology*. 2014 Sept;64(12): 1245-1253. PMID: 25236517; PMCID: PMC4171684
65. Ma X, **Liu J**, Smith M. WIC participation and breastfeeding in South Carolina: Updates from PRAMS 2009-2010. *Maternal and Child Health Journal*. 2014 Jul;18(5): 1271-1279. PMID: 24057992.
66. Huang L, **Liu J**, Feng L, Chen Y, Zhang J, Wang W. Maternal prepregnancy obesity is associated with higher risk of placental pathological lesions. *Placenta*. 2014 Aug;35(8):563-9. Epub 2014 Jun 2. PMID 24930988.
67. **Liu J***, Gallagher A, Carta CM, Torres ME, Moran R, Wilcox S. Racial differences in gestational weight gain and pregnancy-related hypertension. *Ann of Epidemiol*. 2014 Jun; 24(6): 441-7. Epub 2014 Mar 3. PMID: 24685832; PMCID: PMC4029921.
68. Sohi I, Bell BA, **Liu J**, Battersby SE, Liese AD. Differences in food environment perceptions and shopping behaviors between residents of low versus high food access areas. *J Nutr Educ Behav*. 2014 Jul-Aug; 46(4):241-9. Epub 2014 Feb 20. PMID: 24560861; PMCID: PMC4205937.
69. Barry VW, Baruth M, Beets MW, Durstine JL, **Liu J**, Blair SN. Fitness vs. fatness on all-cause mortality: a meta-analysis. *Progress in Cardiovascular Disease*. 2014 Jan-Feb;56(4), 382-390. PMID: 24438729
70. Hossain MM, Lawson AB, Cai B, Choi J, **Liu J**, Kirby RS. Space-time Areal Mixture

Model: Relabeling Algorithm and Model Selection Issues. *Environmetrics*. 2014 Mar;25(2):84-96. PMID: 25221430. PMCID:PMC3712540

71. Hannum E, **Liu J**, Frongillo EA. Poverty, food insecurity and nutritional deprivation in rural China: Implications for children's literacy achievement. *International Journal of Educational Development*.2014.34:90-97.
72. Jukic AZ, Lawlor DA, Juhl M, Owe KM, Lewis B, **Liu J**, Wilcox AJ, Longnecker MP. The association of physical activity during pregnancy with language development in the offspring. *Pediatric and Perinatal Epidemiology*. 2013 May; 27(3): 283-93. PMID 23574417. PMCID:PMC3646544
73. Trivedi T, **Liu J**^{*}, Probst JC, Martin AB. The Metabolic Syndrome: Are rural residents at increased risk? *Journal of Rural Health*. 2013. 29(2): 188-97. Epub 2012 Aug 1. PMID: 23551649
74. Cai B, Lawson AB, Hossain M, Choi J, Kirby RS, **Liu J**. Bayesian semiparametric model with spatially-temporally varying coefficients selection. *Stat Med*. 2013 Sep 20; 32(21): 3670-85. PMID: 23526312; PMCID: PMC3744634
75. Byun W, **Liu J**, Pate RR. Association between objectively-measured sedentary behavior and BMI in preschool children. *International Journal of Obesity*. 2013 Jul; 37(7): 961-5. PMID: 23318716 .
76. **Liu J**^{*}, Sun H, Beets M, Probst JC. Assessing natural groupings of common leisure-time physical activities and its correlates among US adolescents. *Journal of Physical Activity and Health*. 2013 May; 10(4): 470-9. Epub 2012 Jul 10. PMID: 22820608.
77. Goodrich K, Cregger M, Wilcox S, **Liu J**. A qualitative study of factors affecting pregnancy weight gain in African American women. *Maternal and Child Health Journal*, 2013, Apr; 17(3): 432-40. PMID 22527762; PMCID: PMC4284051.
78. Hossain MM, Lawson AB, Cai B, Choi J, **Liu J**, Kirby RS. Space-time stick-breaking processes for small area disease cluster estimation. *Environ. Ecol Stat*. 2013 Mar 1; 20(1): 91-107. PMID: 23869181.
79. Cavicchia PP, Adams SA, Steck S, Hussey JR, **Liu J**, Daguise V, Hebert JR. Racial disparities in incident colorectal cancer risk by type 2 diabetes mellitus status in high risk population. *Cancer Causes and Control*. 2013 Feb; 24(2): 277-85. PMID: 23197224; PMCID: PMC3557726.
80. McMahon DM, **Liu J**^{*}, Zhang H, Torres ME, Best RE. Maternal obesity, folate intake, and neural tube defects in offspring. *Birth Defects Research*. 2013 Feb; 97 (2): 115-22. PMID: 23404872
81. Gallagher A, **Liu J**^{*}, Probst JC, Martin AB, Hall JW. Maternal Obesity and gestational weight gain in rural versus urban dwelling women in South Carolina. *Journal of Rural Health*. 2013 29(1):1-11. Epub 2012 Jul 11. PMID 23289649.
82. Lin M, Sappenfield W, Hernandez L, Clark C, **Liu J**, Collins J, Carle A. Individual- and State-Level Characteristics Associated with Preventive Dental Care Access among U.S. Children of 5-17 years of age. *Maternal and Child Health Journal*. 2012 Dec; 16 Suppl 2: 320-9. PMID: 22935910; PMCID: PMC4538930.
83. Singh GK, **Liu J**. Health improvements have been more rapid and widespread in China than in India: An analysis of trends from 1960 to 2011. *International Journal of MCH and AIDS*, 2012, 1(1): 31-48.

84. Soto-Ramirez N, Karmaus W, Zhang H, **Liu J**, Billings D, Gangur V, Amrol D, Costa K, Davis S, Goetzl L. Fatty acids in breast milk associated with asthma-like symptoms and atopy in infancy: a longitudinal study. *Journal of Asthma*. 2012. Nov; 49(9): 926-34. Epub 2012 Sep 19. PMID: 22991928
85. **Liu J***, Jones SJ, Sun H, Probst JC, Merchant AT, Cavicchia P. Diet, physical activity, and sedentary behaviors as risk factors for childhood obesity: An urban and rural comparison. *Childhood Obesity*. 2012. 8(5): 440-448. PMID: 23061499
86. Sui X, Jackson AS, Church TS, Lee DC, O'Connor DP, **Liu J**, Blair SN. Effects of cardiorespiratory fitness on aging-glucose trajectory in a cohort of healthy men. *Annals of Epidemiology*. 2012. 22(9), 617-22. Epub 2012 Jul 3. PMID: 22763087; PMCID: PMC3723333
87. Soto-Ramirez N, Karmaus W, Yousefi M, Zhang H, **Liu J**, Gangur V. Maternal immune markers in serum during gestation and in breast milk and the risk of asthma-like symptoms at ages 6 and 12 months: a longitudinal study. *Allergy, Asthma & Clinical Immunology*. 2012. Jul 17; 8(1): 11. PMID: 22805009; PMCID: PMC3536636.
88. Choi J, Lawson AB, Cai B, Hossain MM, Kirby RS, **Liu J**. A Bayesian latent model with spatio-temporally varying coefficients in low birth weight incidence data. *Stat Methods Med Res*. 2012 Oct; 21(5), 445-56, Epub 2012 Apr 25. PMID 22534428.
89. Lawson AB, Choi J, Cai B, Hossain M, Kirby RS, **Liu J**. Bayesian 2-stage space-time mixture modeling with spatial misalignment of the exposure in small area health data. *Journal of Agricultural, Biological, and Environmental Statistics*. 2012 September, 17(3), 417-441.
90. Hale NL, Probst JC, **Liu J**, Bennett KJ, Brock-Martin A, Glover S. Postpartum Screening for Diabetes among Medicaid Eligible South Carolina Women with Gestational Diabetes. *Women's Health Issues*. 2012 Mar; 22(2): e163-9. Epub 2011, Oct. 1. PMID 21963202.
91. Westgarth C, **Liu J**, Heron J, Ness A, Bundred P, Gaskell RM, Coyne K, German AJ, McCune S, Dawson S. Dog ownership during pregnancy, maternal activity, and obesity: a cross-sectional study. *PLoS One*. 2012.7(2): e31315. Epub 2012 Feb 15. PMID 22355356; PMCID: PMC3280272.
92. **Liu J***, Chu YH, Frongillo EA, Probst JC. Higher Generational and Acculturation Status are associated with Poorer Diet and Greater Body Weight Among Mexican American Adolescents. *Journal of Nutrition*. 2012 Feb; 142(2): 298-305. PMID: 22223572.
93. Smith M, **Liu J**, Helms KH, Wilkerson KL. Racial differences in trends and correlates of infant sleep positions in South Carolina, 1996-2007. *Maternal and Child Health Journal*. 2012 Jan, 16(1):72-82. PMID: 21165764.
94. Kirby RS, **Liu J**, Lawson AB, Choi JS, Cai B, Hossain M. Spatio-temporal patterning of small area low birth weight incidence and its correlates: A latent spatial structure approach. *Spatial Statistics and Epidemiology*. 2011, Dec; 2(4): 265-271. PMID: 22125586; PMCID: PMC3224017.
95. Hale NL, Probst JC, **Liu J**, Bennett KJ, Brock-Martin A, Glover S. Variations in Excessive Fetal Growth Across Levels of Prenatal Care among Women with Gestational Diabetes. *Journal of Primary Care and Community Health*. 2011, 2(4): 255-261. Epub 2011, May 27. PMID: 23804839.
96. Ogbuanu CA, Glover SH, Probst JC, **Liu J**, Hussey J. The effect of maternity leave and time of return to work on breastfeeding. *Pediatrics*. 2011. Jun; 127(6): e1414-27. Epub

2011 May 29. PMID: 21624878; PMCID: PMC3387873.

97. Ogbuanu CA, Glover SH, Probst JC, Hussey J, **Liu J**. Balancing work and family: The effect of employment characteristics on breastfeeding. *Journal of Human Lactation*. 2011. 27(3): 225-238. PMID: 21393503.
98. **Liu J***, Blair SN, Teng Y, Ness A, Lawlor D, Riddoch C. Physical activity during pregnancy in a prospective cohort of British women: Results from Avon Longitudinal Study of Parents and Children (ALSPAC), *European Journal of Epidemiology*. 2011. 26(3): 237-247. PMID: 21191632; PMCID: PMC3898349.
99. Xirasagar S, Fu JC, **Liu J**, Probst JC, Lin DP. Neonatal outcomes for immigrant mothers in Taiwan: Evidence for the epidemiological paradox. *Maternal and Child Health Journal*. 2011, Feb; 15(2): 260-79. PMID: 20432059.
100. Fu JC, Xirasagar S, **Liu J**, Probst JC et al. Cesarean and vaginal delivery after cesarean among immigrants vs. native-born women – a retrospective observational study from Taiwan. *BMC Public Health*. 2010, Sep 10: 548. PMID: 20831813; PMCID: PMC2945948.
101. Kim J*, **Liu J***, Colabianchi N, Pate RR. The role of perceived and structural neighborhood conditions on adolescent's physical activity and sedentary behaviors. *Archives of Pediatric and Adolescent Medicine*. 2010. Oct; 164 (10): 945-42. PMID: 20921351; PMCID: PMC4410858. (equal first author)
102. **Liu J***, Kim J, Colabianchi N, Ortaglia A, Pate RR. Co-varying patterns of physical activity and sedentary behavior patterns and their long-term maintenance among adolescents. *Journal of Physical Activity and Health*. 2010; 7: 465-474. PMID: 20683088
103. Lobelo E, Liese AD, **Liu J**, Mayer-Davis EJ, D'Agostino R Jr, Pate RR, Hamman RF, Dabelea D. Physical activity and electronic media use in the SEARCH for diabetes in youth case-control study. *Pediatrics*. 2010. Jun; 125(6): e1364-71. Epub 2010 May 10. PMID: 20457683.
104. **Liu J***, Mayer-Davis EJ, Pate RR, Gallagher A, Bacon J. Physical activity during pregnancy is associated with reduced fasting insulin – The Pilot Pregnancy and Active Living Study. *J Matern Fetal Neonatal Med*. 2010. Oct; 23(10): 1249-52. PMID: 20230322.
105. **Liu J***, Smith MG, Dobre MA, Ferguson JE. Maternal obesity and breastfeeding practices among white and black women. *Obesity*. 2010; 18(1): 175-82. Epub 2009 Jun 11. PMID: 19521347
106. **Liu J***, Probst JC, Harun N, Bennett KJ, Torres ME. Acculturation, physical activity and obesity among Hispanic adolescents. *Ethnicity and Health*. 2009; 14(5): 509-525. PMID: 19404878
107. Ogbuanu CA, Probst JC, Laditka SB, **Liu J**, Baek JD. Reasons why women do not breastfeed: A southeastern state study. *Women's Health Issues*. 2009; 19(4): 268-78. PMID: 19589476; PMCID: PMC2865685.
108. **Liu J***, Bennett KJ, Harun N, Probst JC. Urban-rural differences in overweight status and physical inactivity among US children aged 10-17 years. *Journal of Rural Health*, 2008; 24(4): 407-15. PMID: 19007396
109. **Liu J***, Laditka JN, Mayer-Davis EJ, Pate RR. Does physical activity during pregnancy reduce risk of gestational diabetes among previously inactive women? *Birth*. 2008; 35(3):

189-196. PMID: 18844644

110. Salihu HM, Lynch O, Alio AP, **Liu J**. Obesity subtypes and risk of spontaneous versus medically indicated preterm in singletons and twins. *American Journal of Epidemiology*. 2008; 168(1): 13-20. Epub 2007 Jun 20. PMID: 18456643
111. Samuels RC, **Liu J**, Sofis L, Palfrey JS. Immunization rates in children with special health care needs in a medical home model of care. *Maternal and Child Health Journal*. 2008; 12(3): 357-362. Epub 2007 Jun 20. PMID: 17578657
112. **Liu J***, Probst JC, Martin AB, Wang JY, Salinas CF. Disparities in dental insurance coverage and dental care among US children, the 2003 National Survey of Children's Health. *Pediatrics*. 2007 Feb; 119 Suppl 1: S12-21. PMID: 17272579
113. **Liu J***, Rosenberg KD, Sandoval AP. Breastfeeding duration and perinatal cigarette smoking in a population-based cohort. *American Journal of Public Health*. 2006; 96(2): 309-314. Epub 2005 Dec 27. PMID: 16380564; PMCID: PMC1470493
114. Rosenberg KD, DeMunter JK, **Liu J**. Emergency contraception in emergency departments in Oregon, 2003. *American Journal of Public Health*. 2005; 95(8): 1453-7. Epub 2005 Jun 28. PMID: 15985646; PMCID: PMC1449380.
115. **Liu J***, Larsen U, Wyshak G. Prevalence of primary infertility in China: In-depth analyses of infertility differentials in Three Province/ Autonomous Regions. *Journal of Biosocial Science*. 2005; 37: 55-74. PMID: 15688571
116. Yusem SH, Rosenberg KD, Dixon-Gray L, **Liu J**. Public health nursing acceptance of the 5 A's protocol for prenatal smoking cessation. *California Journal of Health Promotion*. 2004; Vol. 2. Special Issue: Oregon. 1-10.
117. **Liu J***, Wyshak G, and Larsen U. Physical well-being and school enrollment: A comparison of adopted and biological children in one-child families in China. *Social Science & Medicine*, 2004; 59(3): 609-623. PMID: 15144769
118. Palfrey JS, Sofis LA, Davidson EJ, **Liu J**, Freeman L, Ganz ML. The Pediatric Alliance for Coordinated Care: Evaluation of a medical home model. *Pediatrics*. 2004; 113: 1507-1516. PMID: 15121919
119. **Liu J***, Larsen U, Wyshak G. Factors affecting adoption in China in the period 1950 – 1987. *Population Studies*. 2004; 58(1): 21-36. PMID: 15204260
120. Rahman MO and **Liu J**. Gender differences in functioning for older adults in rural Bangladesh. *Journals of Gerontology: Medical Sciences*. 2000; 55(1), January: M28-M33. PMID: 10719770

BOOKS AND PEER-REVIEWED BOOK CHAPTERS

121. Hannum E, Behrman JR, Wang M, Liu J. Education in the Reform Era. In China's *Great Economic Transformation*, Loren Brandt and Thomas G. Rawski (Eds), NY: Cambridge University Press. Chapter 7, 215-249. 2008
122. Hannum E, Liu J. Adolescent Transitions to Adulthood in China. In *The Changing Transitions to Adulthood in Developing Countries: Selected Studies*. JR Behrman, CB Lloyd, NP Stromquist, and B Cohen (Eds.). Washington, DC: The National Academies Press. Chapter 9. 270-319. 2005
123. Wang, D., Y. Zhang, and J. Liu (1991). *Handbook of Chinese-English-Japanese Medical Conversation and Terminology*, Beijing: China Medicine Publishing House.

OTHER SELECT NON-REFERRED PUBLICATIONS / REPORTS

1. **Liu J**, Jones SJ, Sun H, Probst JC, Cavicchia PP. Diet, physical activity, and sedentary behaviors as risk factors for childhood obesity: An urban and rural comparison. Funded by the Office of Rural Health Policy, Health Resources and Services Administration. Published by South Carolina Rural Health Research Center, 2010. (73 pages)
2. **Liu J**, Bennett KJ, Harun N, Zheng X, Probst JC, Pate RR. Overweight and physical inactivity among rural children aged 10-17: A national and state portrait. Funded by the Office of Rural Health Policy, Health Resources and Services Administration. Published by South Carolina Rural Health Research Center, 2007. (93 pages)
3. Yusem SH, Rosenberg KD, Dixon-Gray L, **Liu J**. Helping pregnant smokers quit and stay quit. *CD Summary* (Oregon Department of Human Services). March 22, 2005. Vol. 54, No. 6: 1-2. at <http://egov.oregon.gov/DHS/ph/cdsummary/2005/ohd5406.pdf>
4. **Liu J**, Gaudino JA, Robison SG, Rosenberg KD, Priedeman MW, Timmons AJ. Responding to parental concerns about vaccination. *CD Summary* (Oregon Department of Human Services). October 19, 2004. Vol. 53, No. 21: 1. at <http://egov.oregon.gov/DHS/ph/cdsummary/2004/ohd5321.pdf>
5. **Liu J**. Men's involvement in family planning in China. *Compilation of Papers Presented at NGO Forum of the Fourth World Conference on Women by Chinese Women*. 1995.
6. **Liu J**. Family planning in Mexico, *China Population Daily*, September 23, 1994. (In Chinese)
7. **Liu J**. To launch Baby-Friendly Hospital in China, *China Population Daily*, December 18, 1992. (In Chinese)

ARTICLES IN PEER-REVIEWED JOURNALS – UNDER REVIEW

1. Zhao LG, **Liu J**,* Whitaker KM, Hung P, Hair N, Chen EL, Alberg AJ. Perceived Adverse Changes in Physical Activity, Sitting Time, and Sleep among Postpartum women During the COVID-19 Pandemic. *Birth: Perinatal Issues*. *Revise and Resubmit*
2. Mi TY, Hung P, Li X, Zhou J, **Liu J**. Technology Capacity, Social Support, and Prenatal Care during the COVID-19 Pandemic: A National Survey Study. *Maternal and Child Health Journal*. *Revise and Resubmit*
3. Wirth MD, **Liu J**, Wallace MK, McLain AC, Turner-McGrievy GM, Ryan N, McLain A, Davis JE, Hebert JR. Dietary inflammatory index and sleep quality and duration among pregnant women with elevated weight. *Sleep*. *Revise and Resubmit*
4. Hung P, Norregaard C, Yu JL, **Liu J**, Harrison S, Boghossian NS, Cai B, Lenhard M, Li X. Disparities in telehealth use for prenatal care before and during COVID-19 by maternal race, ethnicity, and urban/rural residence. *Medical Care*. *Revise and resubmit*.
5. Hung P, **Liu J**, Norregaard C, Shih Y, Liang C, Zhang J, Olatosi B, Campbell B.A., Li X. The associations of racial residential segregation with racial/ethnic disparities in severe maternal morbidity and mortality before and during the COVID-19 pandemic. *JAMA Network Open*. *Revise and resubmit*.
6. Wilcox S, Dahl A, Boutte A, **Liu J**, Wingard E, Day K, Turner-McGrievy G, Wingard E. Process Evaluation Methods and Results from the Health in Pregnancy and Postpartum (HIPP) Randomized Controlled Trial. *BMC Pregnancy and Childbirth*. *Revise and Resubmit*.

7. Wilcox S, **Liu J**, Turner-McGrievy G, Boutte A, Wingard E. Effects of Behavioral Intervention on Physical Activity, Diet, and Quality of Life in Pregnant women with Elevated Weight. *Annals of Behavioral Medicine*.
8. Lane-Cordova A, Wilcox S, Wingard E, **Liu J**. Association of a lifestyle intervention with blood pressure trajectories during pregnancy and postpartum in women with pre-pregnancy overweight and obesity. *Maternal and Child Health Journal*.
9. Zhai LL, **Liu J**, Ren S, Bai X, Deng J. Effect of obesity on puberty development in Chinese prepubertal boys – a longitudinal study. *Endocrine Journal*.
10. Sevoyan M, Frongillo EA, Geraci M, **Liu J**, Boghossian NS. Risk of preterm and early term delivery in the subsequent pregnancy among women with prior early term birth. *AJOG*
11. Shi MM, Ren S, **Liu J**, Jia L, Zhai L. Effect of miR-30b on earlier puberty development caused by high fat diet induced obesity in female mice. *Food and Chemical Toxicology*.
12. Lyu T, Chen L, **Liu J**, Campbell B, Hung P, Shih Y, Ghumman N, Li X. Temporal Events Detector for Pregnancy Care (TED-PC): A Rule-based Algorithm to Infer Gestational Age and Delivery Date from Electronic Health Records of Pregnant Women with and without COVID-19. *IJMI*
13. Williams MJ, Xirasagar S, Hung P, Hair NL, **Liu J**. Preconception oral health counseling by medical provider is positively associated with maternal preventive dental services use. *Journal of Public Health Dentistry*.
14. Williams MJ, Xirasagar S, Hung P, Hair NL, **Liu J**. Association of maternal preventive dental care utilization with birth outcomes: a population-based study. *Maternal and Child Health Journal*
15. Paul McMullen T, Turner-McGrievy G, Saunders RP, **Liu J**, McIver K. Association of marital status, employment status, and motherhood with moderate to vigorous physical activity among U.S. women. *Medicine & Science in Sports & Exercise*.
16. Wang X, Kishman EE, Liu J, Castleberry LA, McLain A, Sparks JR, Cook JW. Body weight and fat trajectories of black and white women in the first year of postpartum. *Obesity*
17. Merchant A, Gupta RD, Maxwell A, Reynolds M, Tarannum F, Mattison D, Smith-Warner S, **Liu J**, Beck J. A systematic review and meta-analysis evaluating the effect on birth outcomes of adding chlorhexidine to scaling and root planning to treat maternal periodontitis. *PLOS one (Medicine)*
18. Dai J, Boghossian NS, Sarzynski MA, Luo F, Sun XQ, Li J, Fiehn O, **Liu J*** Chen L.* Metabolome-Wide Associations of Gestational Weight Gain in Pregnant Women with Overweight and Obesity. *Obesity*.
19. Karim S, **Liu J**, Cai B, Merchant AT, Wilcox S. Trajectories of perinatal depressive symptoms in women with overweight and obesity in South Carolina. *Journal of Affective Disorders*.
20. Lyu T, Liang C, **Liu J**, Campbell BA, Hung P, Shih Y, Ghumman N, Li X. Temporal events detector for pregnancy care (TED-PC): A rule-based algorithm to infer gestational age and delivery date from electronic health records of pregnant women with and without COVID-19. *PLOS one (Medicine)*
21. Wang X, Kishman EE, **Liu J**, Castleberry LA, McLain A, Sparks JR, Cook JW. Body

weight and fat trajectories of black and white women in the first year of postpartum. *Obesity*

22. Day K, Wilcox S, Liu J, Zahnd W. Associations between neighborhood crime and physical activity among pregnant women in South Carolina. *Preventing Chronic Disease*.
23. Liu J, Hung P, Zhang J, Olatosi B, Campbell B, Liang C, Shih Y, Hikmet N, Li X. Racial and ethnic disparities in severe maternal morbidity in South Carolina during the COVID-19 pandemic. *JAMA Network Open*.
24. Sevoyan M, Geraci M, Frongillo EA, Liu J, Boghossian NS. Interpregnancy interval and adverse perinatal outcomes. A within-woman comparative method. *Pediatric and Perinatal Epidemiology*.
25. Sevoyan M, Frongillo EA, Geraci M, Liu J, Boghossian NS. Child weight and cognition in term small-for-gestational age infants with different weight growth trajectories. *JAMA Pediatrics*.

PEER-REVIEWED PUBLISHED ABSTRACTS

1. Mi TY, Hung P, Li X, Zhou J, Liu J. The association between technology capacity and prenatal care during COVID-19 pandemic: the modifying role of social support. *Health Services Research*, Vol. 56, Issue S2, p30-31. Sept. 2021. <https://doi.org/10.1111/1475-6773.13760>
2. Hung P, Prasad S, Cullen JS, Liu J. Disparities in provider recommendations for birth plan changes to elective deliveries during COVID-19. *Health Services Research*, Vol. 56, Issue S2, p18-19. Sept. 2021. <https://doi.org/10.1111/1475-6773.13743>
3. Zhan L, Liu J, Lee DC, Sui X, Blair SN. Lean fish and seafood consumption does not prevent increases in body weight, waist circumference and percentage of body fat. *Am J Epidemiol*. 2013: 177, S142, 565-S.
4. Vyas SS, Liu J, Karmaus W, Zhang H, Soto-Ramirez N. Association between breastfeeding and infant growth – A probable reverse causality. *Am J Epidemiol*. 2013: 177, S143, 570-S.
5. Davis HT, Liu J, Aelion MC, Cai B, Burch JB, McDermott S. Association between exposure to lead in soils and preterm birth in Medicaid women in South Carolina. *Am J Epidemiol*. 2013: 177, S155, 620-S.
6. Barry VW, McClain A, Liu J, Durstine JL, Hand G, Wilcox S, Blair SN. The relationship between electronic lifestyle self-monitoring and weight loss. *Medicine and Science in Sports and Exercise*, 2013. 45(5), 374-374.
7. Liu J, Trivedi T, Blair SN, Ness A, Macdonald-Wallis C, Lawlor DA. Physical activity and hypertensive disorders of pregnancy among British women. *Am J Epidemiol*. 2012: 175, suppl 11. 086.
8. Liu J, M Torres, Moran R, Mazzoli C, Gallagher A. An examination of the association between excessive gestational weight gain and pregnancy-induced hypertension in women from South Carolina. *Am J Epidemiol*. 2012: 175, suppl 11. 538.
9. Jukic AZ, Lawlor DA, Juhl M, Owe KM, Lewis B, Liu J, Wilcox AJ, Longnecker MP. The association of physical activity during pregnancy with language development in the offspring. *Am J Epidemiol*. 2012: 175, suppl 11. 303-S.

10. Harris ST, Liu J, Wilcox S, Moran R, Gallagher A. Physical activity during pregnancy and its association with gestational weight gain among South Carolina mothers. *Am J Epidemiol*. 2012: 175, suppl 11. 085-S
11. Cretella S, Liu J, McKeown R, Moran R. A study on the timing of anxiety and depression diagnosis and hypertension in pregnancy. *Am J Epidemiol*. 2012: 175, suppl 11. 107-S
12. Goodrich KM, Wilcox S, Cregger M, Liu J. Exercise during pregnancy: perspectives of African American women. *Annals of Behavioral Medicine*, 2012:43 (Supp 1), s43.
13. Liu J, Probst JC, Trivedi T, Merchant AT, Jones SJ. Obesity and obesity-related behaviors among adults in rural America, 1999-2006. *Obesity*, 2011:19, S208.
14. McMahon D, Liu J, Zhang H, Morres M, Best R. Maternal obesity, folate intake, and neural tube defects in offspring. *Am J Epidemiol*. 2011: 173 (Suppl 11). 1185-S
15. Trivedi T, Liu J, Probst JC, Martin A. The metabolic syndrome: Are rural residents at increased risk. *Am J Epidemiol*. 2011: 173(Suppl 11). S172.
16. Chu YH, Liu J, Frongillo EA, Probst JC. Higher generational and acculturation status are associated with poorer diet and greater body weight among Mexican American adolescents. *The FASEB Journal*. 2011: 25, 770.15.
17. Liu J, Dobai A, Gregg AR. Predictors of the placental weight and placenta to birth weight ratio. *Am J Epidemiol*. 2010; 171(11): S31, 124
18. Sun H, Liu J, Probst JC. Common leisure-time physical activities among US adolescents: Do they vary by residence and race/ethnicity? *Am J Epidemiol*. 2010; 171(11): S75, 301-S
19. Liu J, Dobai A, Vena JE. Joint effect of maternal prepregnancy weight and gestational weight gain on macrosomia, South Carolina. *Am J Epidemiol*. 2009; 169(11): S15, 059.
20. Liu J, Dobai A, Vena JE, Heidari K, Wilcox S. Lower weight gain during pregnancy can reduce the risk of gestational diabetes? *Am J Epidemiol*. 2009; 169(11): S15, 060.
21. Liu J, Smith M, Dobre M, Ferguson J. Maternal obesity is negatively associated with breastfeeding practices among white but not black women. *Am J Epidemiol*. 2008;167(11): S33. 131.
22. Gallagher A, Liu J, Karmaus W, Cai B, Arshad SH, Kurukulaaratchy R, Matthews S. Early life factors and body mass index in children up to age 10. *Am J Epidemiol*. 2008; 167(11): S18, 069-S.
23. Lobelo F, Liese AD, Liu J, Pate RR, Dabelea D, Mayer-Davis EJ, D'Agostino Jr RB, Hamman RF. Adherence with physical activity and electronic media use recommendations among youth with and without diabetes mellitus. *Pediatric Exercise Science*. 2006; 18.
24. Liu J, Laditka JN, Mayer-Davis E, Pate R. Physical activity during pregnancy may reduce risk of gestational diabetes among previously inactive women. *Diabetes*. 2006; 55 (Supplement).
25. Liu J, Yang Z, Karmaus W. Comparison of gestational age estimates: Implications for preterm rates. *Am J Epidemiol*. 2006; 163(Suppl): S55.
26. Samuels RC, Liu J, Permut IQ, et al. Immunization rates in children with special health care needs. *Pediatric Research*, 2003; 53 (4): 252A.
27. Ganz ML, Sofis LA, Davidson EJ, Liu J, and Palfrey JS. Health care resource use of

children with special health care needs: Are we using our dollars effectively and equitably? *Pediatric Research*. 2002; 51 Part 2 Suppl.(4): 208A.

28. Palfrey JS, Davidson EJ, Ganz ML, and **Liu J**. Improving quality of care for children with special health care needs: The role of the practice-based practitioner as case manager. *Pediatric Research*. 2002; 51 Part 2 Suppl.(4): 196A.

RESEARCH GRANTS

ACTIVE FUNDED GRANTS

Women in Control of Diabetes (WICO): a Team-based Novel Care Model Targeted at Reducing Treatment Barriers Experienced by Women Across the Lifespan

Funding Agency: the BlueCross BlueShield of South Carolina Foundation

Role: Co-Investigator (PI: Kerry Sims)

Award Period: 7/1/2022-6/30/2025

Total Award: \$1,000,000

Healthy Start Supplement: Community-Based Doula

Funding Agency: Health Resource and Service Administration (HRSA)

Role: Subcontract PI (Evaluator)

Award Period: 11/1/2021– 10/31/2022

Total Award: \$10,095

Multi-level Determinants of Racial Disparities in Maternal Morbidity and Mortality During the COVID-19 Pandemic

Funding Agency: NIH/NIAID (3R01AI127203-5S2)

Role: Principal investigator (MPI: Xiaoming Li; Jihong Liu)

Award Period: 9/7/2021 – 5/31/2023

Total Award: \$886,186

Multi-level Determinants of Racial Disparities in Maternal Morbidity and Mortality During the COVID-19 Pandemic

Funding Agency: University of South Carolina Big Data Center Seed Grant

Role: Principal investigator

Award Period: 7/15/2021 – 7/15/2023

Total Award: \$30,000

Impacts of COVID-19 on Rural and Racial Disparities in Maternal Health Care Access, Quality, and Outcomes: Does Telehealth Help?

Funding Agency: University of South Carolina Big Data Center Seed Grant

Role: Co-investigator (PI: Peiyin Hung)

Award Period: 7/15/2021 – 7/15/2023

Total Award: \$29,987

South Carolina Interdisciplinary Maternal and Child Health Leadership Training Program: Undergraduate Pathways

Funding Agency: Health Resources and Services Administration

Role: Principal investigator

Award Period: 6/1/2021 – 5/30/2026

Total Award: \$775,000

Assessing the relation between oral health and gestational diabetes mellitus

Funding Agency: UofSC Magellan Scholarship (Ishita Kapoor)

Role: Secondary Faculty Mentor (Primary Mentor: Anwar Merchant)

Award Period: 4/1/2021– 4/30/2022

Total Award: \$3,000

University of South Carolina School of Public Health MCH Catalyst Program
Funding Agency: Health Resources and Services Administration
Role: Principal investigator
Award Period: 6/1/2020 – 5/30/2025 Total Award: \$450,000

Healthy Start Initiative: Eliminating Disparities in Perinatal Health
Funding Agency: Health Resource and Service Administration (HRSA)
Role: subcontract PI (Evaluator)
Award Period: 4/1/2019 – 3/31/2024 Total Award: \$410,000

A Mechanism Study of GnRH Abnormal Secretion Regulation by Calcium Homeostasis Disorders through miR-155 on Boy Puberty Onset Caused by Childhood Obesity
Funding Agency: National Natural Science Foundation of China
Role: Co-investigator (PI: Lingling Zhai) (Donated effort)
Award Period: 1/1/2019 - 12/31/2022 Total Award: RMB 550,000

COMPLETED FUNDED GRANTS

Promoting Healthy Weight in Pregnancy and Postpartum among Overweight/Obese Women
Funding Agency: NIH /NICHD (1R01HD078407)
Role: PI (MPI: Jihong Liu, Sara Wilcox)
Award Period: 08/2014 - 04/2022 (no cost extension) Total Award: \$2,901,888

Renin angiotensin adosterone system components and vascular function in women after an adverse pregnancy outcome
Funding Agency: American Heart Association
Role: Mentor (PI: Abbi Lane-Cordova)
Award Period: 7/1/2018 - 6/30/2021 Total Award: \$231,000

Impacts of Social Distancing Practice on Vulnerable Pregnant and Postpartum Women during the Outbreak of COVID-19: Cross-sectional Electronic Surveys.
Funding Agency: University of South Carolina, COVID-19 Research Initiative
Role: Principal investigator
Award Period: 5/1/2020 – 8/31/2021 Total Award: \$25,000

University of South Carolina Center of Biomedical Research Excellence (COBRE) on Dietary Supplements and Inflammation Pilot Award
Funding Agency: NIH
Role: Co-investigator (PI: Lane-Cordova)
Award Period: 7/1/2020 – 6/30/2021 Total Award: \$50,000

Integrating a Healthy Lifestyle Curriculum in Midlands Healthy Start Program for Low-income Pregnant and Postpartum Women in South Carolina.
Funding Agency: Transformative Research Grant (Prisma Health, Clemson, Furman, UofSC)
Role: Principle Investigator (co-PI: Sara Wilcox)
Award Period: 3/1/2020 – 2/28/2021 Total Award: \$20,000

Evaluating State Collaborative and Legislative Policies Limiting Early-Term Elective Delivery
Funding Agency: USC ASPIRE-I
Role: Co-investigator (PI: Nicole Hair)
Award Period: 7/2019 - 10/2020 Total Award: \$15,000

Trend and consequences of provider-hospital consolidation for obstetric care in urban and rural South Carolina.

Funding Agency: USC ASPIRE-I

Role: Co-investigator (PI: Peiyin Hung)

Award Period: 7/2019 - 10/2020

Total Award: \$15,000

Effects of sleep deficiency during postpartum on body weight and body fat changes in African American and White women

Funding Agency: NIH (R21MD012740)

Role: Co-Investigator (PI: Xuewen Wang)

Award Period: 6/6/2018 - 1/31/2020

Total Award: \$375,000

Healthy Start Initiative: Eliminating Disparities in Perinatal Health

Funding Agency: Palmetto Healthy Start

Role: Principal investigator

Award Period: 12/1/2018 - 03/31/2019

Total Award: \$30,064

Evaluating South Carolina Birth Outcome Initiative's Impact on Reducing Early Term Elective Inductions and Saving Health Care Costs.

Funding Agency: USC ASPIRE-I Track IV program

Role: Principal investigator

Award Period: 7/2017 - 10/2018

Total Award: \$15,000

Exploring Psychosocial and Environmental Factors Related to Dietary Quality in Pregnancy.

Funding Agency: NICHD Diversity Supplement

Role: Mentor (In-kind)

Award Period: 2/2017 - 12/2019

Total Award: \$64,858

Joint Effects of Childhood Obesity and PAEs on Puberty Onset in Boys.

Funding Agency: Liaoning Department of Education, China

Role: Co-investigator (PI: Lingling Zhai)

Award Period: 9/2016 - 8/2018

Total Award: \$8,000

Diet Quality and Mental Health in Pregnancy Study.

Funding Agency: USC SPARC Graduate Research Grant (Alycia Boutte)

Role: Mentor (In-kind)

Award Period: 5/2017 - 5/2018

Total Award: \$4,606

Methylmercury Exposure Through Rice Ingestion, Gut Microbes, and Offspring Development

Funding Agency: NIH (1R21ES026412-01)

Role: Co-Investigator (PI: Sarah Rothenberg)

Award Period: 2/2016-1/2018

Total Award: \$386,741

Impact of a behavioral lifestyle intervention on cardiometabolic biomarkers among overweight/obese pregnant women

Funding Agency: USC Intramural funding

Role: Co-PI (MPI: Nansi Boghossian, Jihong Liu)

Award Period: 12/2015 - 12/2016

Total Award: \$15,000

Body mass index trajectories in the first year and its association with the risk of being

Jihong Liu

Curriculum Vitae updated 8/30/2022

~ 19 ~

overweight or obese at six years of age in children

Funding Agency: USC – SPARC Fellowship

Role: Mentor (PI: Junxiu Liu)

Award Period: 5/2016 - 5/2017

Total Award: \$5,000

Barrier to Exercise in Pregnancy

Funding Agency: Palmetto Health Grant-in-Aid.

Role: Mentor (PI: Natalie Buckham)

Award Period: 12/2015 - 12/2016

Total Award: \$8,311

Visiting Health Scientist. Division of Research, Maternal and Child Health Bureau

Funding Agency: Health Resources and Service Administration

Role: PI

Award Period: 10/2012 – 09/2016

Total Award: \$167,281

Patient and provider perceptions of weight gain, nutrition, and exercise in pregnancy

Funding Agency: USC – SPARC Fellowship

Role: Co-mentor (PI: Kara Whitaker)

Award Period: 5/2015-5/2016

Total Award: \$5,000

Maternal Methylmercury exposure through rice ingestion and offspring neurodevelopment.

Funding Agency: NIEHS/NIH (R15ES022409)

Role: Co-Investigator (PI: Sarah Rothenberg)

Award Period: 05/2013 – 12/2015

Total Award: \$400,271

Evaluating geographical accessibility of health services and facilities among women with and without gestational diabetes.

Funding Agency: USC Intramural funding

Role: PI

Award Period: 05/2013 – 05/2015

Total Award: \$19,970

Environmental exposure to arsenic and lead in soils and preterm birth in a high-risk population in South Carolina: investigating racial disparities and neighborhood effects

Funding Agency: USC – SPARC Fellowship

Role: Mentor (PI: Pamela Davis)

Award Period: 5/2013-5/2014

Total Award: \$5,000

The role of periodontal microorganisms in adverse pregnancy outcomes

Funding Agency: Intramural funding

Role: Co-Investigator (PIs: Phil Browne, Anwar Merchant)

Award Period: 05/2011 – 05/2012

Total Award: \$14,800

Promoting healthy weight in pregnancy and postpartum among overweight/obese African American women

Funding Agency: NIH (1 R21 HD061885-01A1)

Role: Principal Investigator (MPI: Jihong Liu, Sara Wilcox)

Award Period: 09/2010 – 09/2012

Total Award: \$181,250

Influences of immigrant status and acculturation on obesity among US Mexican American children and adolescents

Funding Agency: Health Resources and Services Administration (HRSA)

Jihong Liu

Role: Principal Investigator
Award Period: 2/1/2010 - 1/31/2011
Total Award: \$95,490

Interdisciplinary Conference on Pregnancy and the Health of Women and Children
Funding Agency: South Carolina March of Dimes
Role: Principal Investigator (Gregg A, Liu J, Mann J)
Award Period: 1/2010 - 12/2010
Total Award: \$2,975

Latent structure modeling for small area health data
Funding Agency: NIH (5R21HL088654-02)
Role: Co-Investigator (MPI: Andrew Lawson, Bo Cai, Monir Hossain)
Award Period: 5/2009 - 5/2011
Total Award: \$387,200

Diet and physical activity as risk factors for childhood obesity: An urban and rural comparison
Funding Agency: Health Resources and Services Administration (HRSA)
Role: Principal Investigator
Award Period: 09/2008-09/2010
Total Award: \$220,000

Long-term effect of social environments on activity patterns and overweight among U.S. adolescents
Funding Agency: Health Resources and Services Administration (HRSA)
Role: Principal Investigator
Award Period: 2/1/2008 – 1/31/2009
Total Award: \$100,000

South Carolina Birth Defects Program
Funding Agency: South Carolina Department of Health and Environment Control
Role: Consultant
Award Period: 03/2008 – 05/2009
Total Award: \$35,000

Magnitude of obesity among rural children and its modifiable risk factors, the 2003 National Survey of Children's Health
Funding Agency: Health Resources and Services Administration (HRSA)
Role: Principal Investigator
Award Period: 2006 – 2008
Total Award: \$150,000

Disparities in dental health, dental care, and dental insurance coverage among US Children
Funding Agency: Health Resources and Services Administration (HRSA)
Role: Co-investigator (PI: Amy Martin, Janice Probst)
Award Period: 2006 – 2007
Total Award: \$150,000

Health effects of physical activity during pregnancy on overweight women and their offspring
Funding Agency: Seed Grant Program at Arnold School of Public Health
Role: Principal Investigator
Award Period: 2007 – 2008
Total Award: \$12,000

Health effects of physical activity during pregnancy on overweight women and their offspring
Funding Agency: Seed Grant Program at the Center for Research in Nutrition and Health Disparities
Role: Principal Investigator
Award Period: 2007 – 2008
Total Award: \$8,000

Pilot study of early infant diet and infant growth patterns among offspring of overweight black and white women in South Carolina

Funding Agency: Research Consortium on Children and Families at University of South Carolina and the Department of Epidemiology and Biostatistics

Role: Principal Investigator

Award Period: 2006 – 2007

Total Award: \$20,000

PROFESSIONAL CONFERENCE PRESENTATIONS

Underlined are student authors

1. **Liu J**, Promiti AB, Hung P, Davis HT, Zhang J, Leedom V, Li X. Postpartum care interruption during the COVID-19 pandemic in South Carolina. The 150th Annual Meeting of American Public Health Association. November 6-9, 2022, Boston, MA. Oral.
2. **Liu J**, Hung P, Zhang J, Campbell B, Olatosi B, Shih YW, Liang C, Li X. Impacts of COVID-19 Pandemic on Racial/Ethnic Disparities in Severe Maternal Morbidity. Data from the South Carolina COVID Cohort. The 2022 Annual Meeting Society for Epidemiologic Research. June 15-17, 2022. Chicago. IL, Oral
3. Zhu X, **Liu J**, Hung P, Alberg A, Merchant A. Pandemic worries and stressors in relation to tobacco product use among postpartum women during the COVID-19 pandemic. The 35th Annual Meeting the Society for Pediatric and Perinatal Epidemiologic Research. June 14-15, 2022. Chicago. IL, Poster
4. Hung P, **Liu J**, Shih Y, Norregaard C, Zhang J, Liang C, Olatosi B, Campbell BA, Li X. The associations of racial residential segregation on racial/ethnic disparities in severe maternal morbidity and mortality before and during the COVID-19 pandemic. AcademyHealth Annual Research Meeting 2022: Washington, DC, June 5, 2022. Oral
5. **Liu J**. Impacts of COVID-19 Pandemic on Racial/Ethnic Disparities in Severe Maternal Morbidity. Data from the South Carolina COVID Cohort. The 3rd Annual National Big Data Health Science Conference. Virtual, February 11, 2022. Oral
6. **Liu J**. Wilcox S, Hutto B, Turner-McGrievy G, Wingard E. Effects of a Lifestyle Intervention on Postpartum Weight Retention among women with Elevated Weight. The Obesity Society Annual Meeting, Virtual, November 2, 2021. Oral
7. Wang X. **Liu J**. Body Fat Trajectories in Black and White Women from 6-8 weeks to 12 months postpartum. The Obesity Society Annual Meeting, November 4, 2021. Oral
8. Dai J, **Liu J**, Boghossian N, Luo F, Sun XQ, Fiehn O, Chen LW. Metabolomics Markers of Gestational Weight Gain in Overweight and Obese Pregnant Women – A Longitudinal Study. American Heart Association Annual Meeting, 2021.
9. Bai A, Lyu T, **Liu J**, Campbell B, Liang C, Li X. Miscarriage in pregnant women with COVID-19: EHR integration and statistical modeling using N3C. AMIA Annual Symposium Proceedings.
10. Hung P, Mi T, Prasad S, Chen E, Cullen J, **Liu J**. “Disparities in Provider Recommendations for Birth Plan Changes to Elective Deliveries during COVID-19” *AcademyHealth Annual Research Meeting*. Virtual meeting, June. 2021. Oral
11. Hung P, Mi T, Prasad S, Chen E, Cullen J, **Liu J**. “Rural-urban differences in birth plan changes during COVID-19” National Rural Health Association’s 44th Annual Conference. 2021. Oral.

12. Mi TY, Hung P, Li X, Zhou J, **Liu J**. The Association between Technology Capacity and Prenatal Care during the COVID-19 Pandemic: The Modifying Role of Social Support. *AcademyHealth Annual Research Meeting*. June. 2021. Oral
13. Whitaker KM, Hung P, Alberg AJ, Hair N, **Liu J**. Variations in Health Behaviors among Pregnant Women During the COVID-19 Pandemic. American Heart Association, Epidemiology, Prevention, Lifestyle & Cardiometabolic Health, May 20, 2021. Oral
14. Lane-Cordova AD, Wilson BM, Jiles M, Rhodes Z, Tucker W, Byland S, Ramey K, Wilcox S, **Liu J**, Catov JM, Fernhall B. Aortic blood pressure 6 months – 3 years after adverse pregnancy outcomes. North American Artery Meeting, May 22, 2021. Poster.
15. **Liu J**. Poor Mental Health among Pregnant Women with COVID-19-related Stressors and Worries in the U.S. South Carolina Clinical and Translational Research Institute. COVID-19: State of the Science Scientific Retreat. April 23, 2021. Oral.
16. **Liu J**. Health in Pregnancy and Postpartum Study (CHIPP): Cross-sectional Electronic Surveys. Maternal and Child Health Centers of Excellence -Catalyst Program Grantee Meeting, April 20, 2021. Oral.
17. **Liu J**. Health in Pregnancy and Postpartum Study (CHIPP): Cross-sectional Electronic Surveys. Delta Omega Honor Society Webinar, Arnold School of Public Health, October 2020. Oral
18. Day K, Wilcox S, **Liu J**, Hutto B. Associations between perceived neighborhood environment and objectively measured physical activity among pregnant women. *Carolina Women's Health Research Forum*, Columbia, SC. March 6, 2020. Poster
19. Elmore A, Omofuma O, Sevoyan M, **Liu J**. Trend of opioid prescription use and long-term use among women of reproductive age, United States 1999-2016. *Carolina Women's Health Research Forum*, Columbia, SC. March 6, 2020. Poster
20. Kase B, Wilcox S, Hutto B, **Liu J**. Physical activity and sleep in overweight and obese pregnant women during early pregnancy. *Carolina Women's Health Research Forum*, Columbia, SC. March 6, 2020. Poster
21. Kishman E, Sparks J, **Liu J**, Castleberry L, Cook J, Youngstedt S, Wang X. Sleep characteristic differences during early postpartum in white and African American women. *Carolina Women's Health Research Forum*, Columbia, SC. March 6, 2020. Poster
22. Wang X, Kishman E, Sparks J, **Liu J**, Castleberry L, Cook J, Youngstedt S. Sleep disturbance but not sleep duration is associated with perceived stress and self-esteem in postpartum women. *Carolina Women's Health Research Forum*, Columbia, SC. March 6, 2020. Poster
23. **Liu J**, Wilcox S, Wingard E, Hutto B. The effects of an antenatal lifestyle intervention on pregnancy outcomes in overweight and obese pregnant women. Presented at the 67th Annual Meeting of the American College of Sports Medicine. San Francisco, CA. May 2020. Cancelled due to COVID-19 pandemic
24. Wilcox S, **Liu J**, Hutto B, Wingard E. Change in physical activity in the Health in Pregnancy and Postpartum (HIPP) randomized controlled trial (RCT). Presented at the 67th Annual Meeting of the American College of Sports Medicine. San Francisco, CA. May 2020. Oral Cancelled due to COVID-19 pandemic
25. **Liu J**, Broadway A, Boghossian N, McLain A, Karim S, Richard C. Leisure-time physical activity before and during pregnancy and preterm births in South Carolina. 2009-2015. The

32nd Annual Meeting of the Society of Pediatric and Perinatal Epidemiologic Research (SPER), Minneapolis, MN, June 17-18, 2019. Poster

26. **Liu J**, Wilcox S, Wingard E, Hutto B, Turner-McGrievy G, Burgis J, Boutté AK, Schneider L. Sensor-measured physical activity in overweight or obese women in early pregnancy in the Helath in Pregnancy and Postpartum (HIPP) Study. Presented in a Thematic Poster Session (*Physical Activity & Behavioral Science During Pregnancy and Motherhood*) at the 66th Annual Meeting of the American College of Sports Medicine. Orlando, FL. May 2019. Poster
27. Wilcox S, **Liu J**, Hutto B, Wingard E, Turner-McGrievy G, Burgis J, Boutté AK, Schneider L. Baseline correlates of sedentary behavior in the Helath in Pregnancy and Postpartum (HIPP) Study. Presented in a Thematic Poster Session (*Physical Activity & Behavioral Science During Pregnancy and Motherhood*) at the 66th Annual Meeting of the American College of Sports Medicine. Orlando, FL. May 2019. Poster
28. Schneider L, **Liu J**, Wingard E, Wilcox S, Burgis J, Dahl A. Strategies and challenges in recruiting overweight/obese pregnant women for a behavioral lifestyle intervention program. Presented at the 66th Annual Meeting of the American College of Sports Medicine. Orlando, FL. May 2019. Poster
29. Whitaker, K.M., Baruth, M., Schaff, R.A., Connolly, C.P., **Liu, J.**, Wilcox, S. Provider advice on weight gain, physical activity, and healthy eating in twin pregnancies. Accepted as poster presentation at: *ACSM's 66th Annual Meeting, 10th World Congress on Exercise is Medicine and World Congress on the Basic Science of Exercise, Circadian Rhythms and Sleep*; May 28 – June 1, 2019; Orlando, FL
30. Boutté AK, Turner-McGrievy GM, Wilcox S, **Liu J**, Eberth J, Kaczynski A. Healthy food density is associated with diet quality among racially-diverse overweight/obese pregnant women in South Carolina. *The 40th Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine*. Washington D.C., March 2019. Poster. Winner of the Outstanding Student Abstract Award by the Women's Health SIG
31. Karim S, **Liu J**, Chen LW, Merchant A, Khoa T, Lu S. Maternal gestational diabetes and offspring's risk of abnormal glucose. *The 2019 USC/DHEC Data Symposium*, Çolumbia, SC. February 1, 2019. Poster.
32. Karim S, Zhang ZX, Lohman M, Richard C, **Liu J**. Does prenatal physical activity modify the association between stress during pregnancy and postpartum depression? *The 2019 USC/DHEC Data Symposium*, Çolumbia, SC. February 1, 2019. Oral.
33. Wende M, **Liu J**, McLain A, Wilcox S. Trends in gestational weight gain in South Carolina, 2004-2015. *The Annual Meeting of American Public Health Association*, Nov 10-Nov 14, 2018, San Diego, CA. Poster
34. **Liu J**, Karim S, Probst JC, Burgis J, Crouch E, Cai B. Infant outcomes after elective early-term delivery compared with expectant management in South Carolina, 2014. *The 31st Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research*, Baltimore, MD, June 18-June 19, 2018. Poster
35. Orekoya O, **Liu J**, Boghossian N, Rothenberg S, Hazlett L, Cai B. Breastfeeding practices and postpartum weight retention at 1 year among a cohort of US mothers. *The 31st Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research*, Baltimore, MD, June 18-June 19, 2018. Poster
36. Boutté AK, Turner-McGrievy GM, Wilcox S, **Liu J**, Eberth J, Kaczynski A. Examining

associations between stress, depressive symptoms, and diet quality among diverse pregnant women. *The USC's Discover Day*. Columbia, SC, April 2018. Poster

37. Boutté AK, Turner-McGrievy GM, Wilcox S, **Liu J**, Eberth J, Kaczynski A. Examining associations between stress, depressive symptoms, and diet quality among diverse pregnant women. *the 39th Annual Meeting and Scientific Sessions of the Society for Behavioral Medicine*. New Orleans, LA. April 2018. Poster
38. Hughey SM, Kaczynski AT, Porter DE, Hibbert J, Turner-McGrievy G, **Liu J**, Powers AR. Quantifying and testing a multicomponent obesogenic built environment measure with childhood obesity. *The Active Living Research Annual Meeting*, 2018, Banff, Canada. Oral
39. Boutté AK, Turner-McGrievy GM, Wilcox S, **Liu J**, Eberth J, Kaczynski A. The association between stress, depressive symptoms, and diet quality in pregnancy: A narrative review. *The South Carolina Public Health Association Conference*, February, 2018, Myrtle Beach, SC. Poster and Oral Presentation.
40. Boutté AK, Turner-McGrievy GM, Wilcox S, **Liu J**, Eberth J, Kaczynski A. The association between stress, depressive symptoms, and diet quality in pregnancy: A narrative review. *The 11th Annual Carolina Women's Health Forum*. November 2, 2017, Columbia, SC. Poster.
41. **Liu J**, Karim S, Prost JC, Burgis J, Crouch E, Cai B. Infant outcomes after elective early-term delivery compared with expectant management in South Carolina, 2014. *the 2017 Annual South Carolina Birth Outcomes Initiative Symposium*, November, 2017. Poster
42. Dahl AA, Cooper CB, Wilcox S, **Liu J**, Davis RE, Turner-McGrievy G. Tailoring the Development of an e-Health Intervention for Pregnant Women: Results from a Web-based Needs Assessment of Intervention Components. *The Annual Conference of the American Public Health Association*, Atlanta, GA, November 2017. Poster. *Received Public Health Ed./Health Promotion Section: Student Poster Award
43. **Liu J**, Cai B, Liu S, Zeng, XY, Huang DP, Su L, Merchant AT, Qiu XQ. Pregnancy weight gain charts for Chinese women: 2013-2015. *The 30th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research*, Seattle, WA, June 18-June 19, 2017. Poster.
44. Liu S, **Liu J**, Cai B, Liu S, Zeng, XY, Huang DP, Su L, Merchant AT, Qiu XQ. Association between maternal weight gain during pregnancy and offspring's birth weight in a minority-inhabited region in Southwestern China. *The 30th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research*, Seattle, WA, June 18-June 19, 2017. Poster.
45. Orekoya O, **Liu J**, Boghossian N, Rothenberg S, Hazlett L, Cai B. Exclusive breastfeeding and diagnosis of allergic conditions and asthma among 6-year-old US children. *The 30th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research*, Seattle, WA, June 18-June 19, 2017. Poster.
46. Wilcox S, **Liu J**, Turner-McGrievy G, Burgis J, Addy C, Wingard E, Blackmon B, Dahl AA, Schneider L. Health in Pregnancy and Postpartum (HIPP): Targeting gestational weight gain and postpartum weight loss. *The 2017 Annual Meeting of the American College of Sports Medicine*. Denver, CO, June 2017. Oral
47. Wingard E, Wilcox S, **Liu J**, Schneider L. Changes in dietary intake during a behavioral lifestyle intervention in overweight and obese pregnant women. *the South Carolina Academy of Nutrition and Dietetics annual meeting*. Columbia, SC. April 2017. Poster.
48. Dahl AA, Turner-McGrievy G, Wilcox S, **Liu J**, Davis R. Healthy MoM2B: Baseline features

of pregnant women participating in a mobile health study targeting gestational weight gain. *The Annual Conference of the Society of Behavioral Medicine*, New Orleans, LA, March 2017. Poster.

49. Dahl AA, Wende M, Turner-McGrievy G, Qiao S, Wilcox S, Liu J, Davis R. Integration of technology in lifestyle interventions focused on weight gain during pregnancy: A systematic review. *The Annual Conference of the Society of Behavioral Medicine*, New Orleans, LA, March 2017. Poster.
50. Liu, JX, **Liu J**, Frongillo EA, Boghossian N, Hazlett L, Cai B. Growth trajectories of body mass index during the first year of life and their potential determining factors. *The 2016 Epidemiology Congress of the Americas*, Miami, FL, June 21-24, 2016, Poster.
51. Orekoya O, **Liu J**, Rothenberg SE, Boghossian N, Hazlett L. Maternal gestational weight gain and offspring's weight at 12 months of age in rural Guangxi Province, China: Mediating role of birth weight. *The 29th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research*, Miami, FL, June 20-June 21, 2016. Poster. *The 2016 Epidemiology Congress of the Americas*, Miami, FL, June 21-24, 2016, Poster.
52. Manza-A Agovi A, Duffus W, Forthofer M, **Liu J**, Karmaus W. Hepatitis B Virus (HBV) and HBV/HIV co-infection among reported female cases in South Carolina. *The 48th Annual Meeting of the Society of Epidemiologic Research*, Denver, CO, June 16-June 19, 2015. Poster.
53. Manza-A Agovi A, Duffus W, Forthofer M, **Liu J**, Zhang J, Karmaus W. Pregnancy outcomes in women infected with hepatitis B or C virus: Results from surveillance and birth registry data in South Carolina. *The 48th Annual Meeting of the Society of Epidemiologic Research*, Denver, CO, June 16-June 19, 2015. Poster.
54. Manza-A Agovi A, Duffus W, Forthofer M, **Liu J**, Zhang J, Karmaus W. Hepatitis C virus (HCV), HCV/hepatitis B virus (HBV) and HCV/HIV co-infection among reported female cases in South Carolina. *The 48th Annual Meeting of the Society of Epidemiologic Research*, Denver, CO, June 16-June 19, 2015. Poster.
55. Swayampakala K, Fleischer NL, Hardin JW, **Liu J**, Fong GT, Thrasher JF. Associated with changing cigarette consumption patterns among low-intensity smokers: Results from the ITC Mexico Survey. *The 48th Annual Meeting of the Society of Epidemiologic Research*, Denver, CO, June 16-June 19, 2015. Poster.
56. Zhan L, **Liu J**, Cai B, Merchant AT, Sui XM. Early gestational weight gain is associated with gestational hypertension. *The 28th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research*, Denver, CO, June 15-16 2015, Poster.
57. **Liu J**, Whitaker KM, Yu SM, Chao SM, Lu MC. Association of provider advice and pregnancy weight gain in a predominantly Hispanic population. *The 28th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research*, Denver, CO, June 15-16 2015, Poster.
58. Hong C, Yu XD, **Liu J**, Rothenberg SE. Maternal methylmercury exposure through rice ingestion and offspring development: preliminary results. *The 2014 Annual Meeting of International Society for Environmental Epidemiology*. Seattle, WA, August 24-28, Poster.
59. Liu JX, Sui X, Carl J. Lavie, HM Zhou, Park MYM, Bo Cai, **Liu J**, Blair SN. Effect of cardiorespiratory fitness on blood pressure trajectory with aging in a cohort of healthy men. *The 142nd Annual Meeting of American Public Health Association*. New Orleans, LA. Nov. 15-19, 2014, Oral.

60. Mgutshini NL, **Liu J**, Fleischer N, Wilcox S. Gestational weight gain and the risk of obesity among preschool children. *The 27th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research*, Seattle, WA, June 23-24 2014, Poster.
61. Zhan L, **Liu J**, Yu S, Shin M, Merchant AT, Cai B, Lu M. Association between neighborhood deprivation and receipt of preconception care counseling. *The 47th Annual Meeting of the Society of Epidemiologic Research*, Seattle, WA, June 24-27, 2014, Poster.
62. Liu JX, Sui X, Carl J. Lavie, HM Zhou, Park MYM, Bo Cai, **Liu J**, Blair SN. Effect of cardiorespiratory fitness on blood pressure trajectory with aging in a cohort of healthy men. *The 47th Annual Meeting of the Society of Epidemiologic Research*, Seattle, WA, June 24-27, 2014, Poster.
63. Whittaker KM, Wilcox S, **Liu J**. Associations of psychosocial factors and change in physical activity from mid-to-late pregnancy. The 61st American College of Sports Medicine Annual Conference, Orlando, FL, May 27-31, 2014. Poster.
64. Hong C, Rothenberg S, **Liu J**. Maternal methylmercury exposure through rice ingestion and offspring development: preliminary results. *Healthy Eating in Context: Communicating for Change and Sustainability. Fourth Annual Symposium, University of South Carolina*. March 21, 2014. Oral.
65. Sampson AJ, **Liu J**, Merchant AT, Moran R. Associations of fish consumption during pregnancy with birth outcomes. A roundtable presentation at *the 141st American Public Health Association Annual Meeting*, Boston, MA, Nov. 2-6, 2013. Oral.
66. Zhan L, **Liu J**, Lee DC, Sui X, Blair SN. Lean fish and seafood consumption does not prevent increases in body weight, waist circumference and percentage of body fat. *The 46th Annual Meeting of the Society of Epidemiologic Research*, Boston, MA, June 18-21, 2013, Poster.
67. Vyas SS, **Liu J**, Karmaus W, Zhang H, Soto-Ramirez N. Association between Breastfeeding and Infant growth – A probable reverse causality. *The 26th Annual Meeting of the Society of Pediatric and Perinatal Epidemiologic Research*, Boston, MA, June 17-18, 2013. *The 46th Annual Meeting of the Society of Epidemiologic Research*, Boston, MA, June 18-21, 2013, Poster.
68. Davis HT, **Liu J**, Aelion MC, Cai B, Burch JB, McDermott S. Association between exposure to lead in soils and preterm birth in Medicaid women in South Carolina. *The 26th Annual Meeting of the Society of Pediatric and Perinatal Epidemiologic Research*, Boston, MA, June 17-18, 2013. *The 46th Annual Meeting of the Society of Epidemiologic Research*, Boston, MA, June 18-21, 2013, Poster.
69. Vyas SS, **Liu J**, Karmaus W, Zhang H, Soto-Ramirez N. Association between Breastfeeding and Infant growth – A probable reverse causality. *Carolina Women's Health Research Forum*. Columbia, SC. October 25, 2013. Oral
70. Hong C, Rothenberg SE, **Liu J**. Maternal methylmercury exposure through rice ingestion and offspring development: preliminary results. *Carolina Women's Health Research Forum*. Columbia, SC. October 25, 2013. Poster
71. **Liu J**, Trivedi T, Blair SN, Ness A, Macdonald-Wallis C, Lawlor DA. Physical activity and hypertensive disorders of pregnancy among British women. *The 25th Annual Meeting of the Society of Pediatric and Perinatal Epidemiologic Research*, Minneapolis, MN, June 25-27, 2012. *The 45th Annual Meeting of the Society of Epidemiologic Research*, Minneapolis, MN, June 27-30, 2012, Poster.

72. **Liu J**, M Torres, Moran R, Mazzoli C, Gallagher A. An examination of the association between excessive gestational weight gain and pregnancy-induced hypertension in women from South Carolina. The 25th Annual Meeting of the Society of Pediatric and Perinatal Epidemiologic Research, Minneapolis, MN, June 25-27, 2012. *The 45th Annual Meeting of the Society of Epidemiologic Research*, Minneapolis, MN, June 27-30, 2012. Poster.
73. Jukic AZ, Lawlor DA, Juhl M, Owe KM, Lewis B, **Liu J**, Wilcox AJ, Longnecker MP. The association of physical activity during pregnancy with language development in the offspring. The 25th Annual Meeting of the Society of Pediatric and Perinatal Epidemiologic Research, Minneapolis, MN, June 25-27, 2012. *The 45th Annual Meeting of the Society of Epidemiologic Research*, Minneapolis, MN, June 27-30, 2012. Poster.
74. Harris ST, **Liu J**, Wilcox S, Moran R, Gallagher A. Physical activity during pregnancy and its association with gestational weight gain among South Carolina mothers. The 25th Annual Meeting of the Society of Pediatric and Perinatal Epidemiologic Research, Minneapolis, MN, June 25-27, 2012. *The 45th Annual Meeting of the Society of Epidemiologic Research*, Minneapolis, MN, June 27-30, 2012. Poster.
75. Cretella S, **Liu J**, McKeown R, Moran R. A study on the timing of anxiety and depression diagnosis and hypertension in pregnancy. The 25th Annual Meeting of the Society of Pediatric and Perinatal Epidemiologic Research, Minneapolis, MN, June 25-27, 2012. *The 45th Annual Meeting of the Society of Epidemiologic Research*, Minneapolis, MN, June 27-30, 2012. Poster.
76. Barry VW, Baruth M, Beets MW, Durstine JL, **Liu J**, Blair SN. Fitness vs. fatness on all-cause mortality: a meta-analysis. *The 59th Annual Meeting of the American College of Sports Medicine and the 3rd World Congress on Exercise is Medicine*. San Francisco, CA. May 29 – June 2, 2012, Poster
77. Goodrich KM, Wilcox S, Cregger M, **Liu J**. Exercise during pregnancy: perspectives of African American women. The annual meeting of the Society of Behavioral Medicine, New Orleans, LA, April 2012. Poster.
78. Gallagher AE, **Liu J**, Tobias JH, Hussey J, Atkinson C, Steck SE. Breastfeeding and bone mass in British children at 9 and 15 years of age. American Society of Bone and Mineral Research, San Diego, CA, September, 2011. Podium.
79. Luchok K, **Liu J**, Zhang HM, Mann J, et al. Testing the weathering hypothesis of disparities in birth outcomes in a Medicaid population. The 139th Annual Meeting of American Public Health Association, October, 2011.
80. **Liu J**, Probst JC, Trivedi T, Merchant AT, Jones SJ. Obesity and obesity-related behaviors among adults in rural America, 1999-2006. *The Obesity Society's 2011 Annual Scientific Meeting*. October, 2011, Orlando, FL, Poster.
81. McMahon DM, **Liu J**, Zhang H, Torres ME, Best RG. Maternal obesity, folate intake, and neural tube defects in offspring. *The 24th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research*. June, 2011, Montreal, Canada. Poster.
82. Trivedi T, **Liu J**, Probst JC, Brock-Martin A. The Metabolic Syndrome: Are rural residents at increased risk? Annual Meeting of National Rural Health Association. May, 2011. Austin, TX. Poster.
83. **Liu J**, Jones SJ, Probst JC, Sun H, Trivedi T, Merchant A. Dietary intake and obesity in rural America, 1999-2006. "Healthy Eating in Context: The Role of the Political, Physical, Economic and Social Structures in Nutrition." Arnold School of Public Health, University of

South Carolina, Columbia, SC, March 18, 2011. Poster.

84. Chu YH, Liu J, Frongillo EA, Probst JC. Higher generational and acculturation status are associated with poorer diet and greater body weight among Mexican American Adolescents. *Experimental Biology*, April 9-13, 2011, San Diego, CA, Poster.
85. Liu J, Frongillo EA, Chu YH, Probst JC. Acculturation, Physical Activity, and Obesity among Mexican American Adolescents. *Annual Conference of Active Living Research*. February 22-24, 2011, San Diego, CA. Poster.
86. Cavicchia P, Liu J, Hale NL. Estimating the prevalence of Gestational Diabetes mellitus (GDM) in South Carolina. *The 16th Annual Maternal and Child Health Epidemiology (MCH EPI) Conference*, December 15-17, 2010, San Antonio, TX. Podium.
87. Hale NL, Probst JC, Liu J, Bennett KJ, Brock-Martin A, Glover S. Gestational Diabetes Mellitus: Prenatal Care and Excessive Fetal Growth Outcomes among South Carolina Women, 2004-2007. *The 16th Annual Maternal and Child Health Epidemiology (MCH EPI) Conference*, December 15-17, 2010, San Antonio, TX. Podium.
88. Merchant AT, Liu J, Sun H, Sohani Z, Probst JC. Compliance with dietary recommendations among pregnant women in the US. *The 16th Annual Maternal and Child Health Epidemiology (MCH EPI) Conference*, December 15-17, 2010, San Antonio, TX. Poster.
89. Gallagher AE, Liu J, Hale NL. Weight gain during pregnancy in obese women: Should they gain even less? *Greg Alexander Outstanding Student Paper Session at the 138th APHA Annual Meeting*. November 6-10, 2010, Denver, CO. Podium
90. Fu JC, Xirasagar S, Liu J, Probst JC. Cesarean and VBAC Rates among Immigrant vs. Native-Born Women. *The 138th APHA Annual Meeting*. November 6-10, 2010, Denver, CO. Poster.
91. Liu J, Jones SJ, Han S, Probst JC, Merchant A, Cavicchia P*. Diet, physical activity, and sedentary behaviors as risk factors for childhood obesity: An urban and rural comparison. *The Obesity Society's 2010 Annual Scientific Meeting*. October 8-12, 2010, San Diego, CA. Poster.
92. Gallagher AE, Liu J, Probst J, Martin A. An examination of rural-urban differences in prepregnancy body mass index and gestational weight gain. *AcademyHealth's 2010 Annual Research Meeting*. June 27-29, 2010, Boston, MA. Poster.
93. Liu J, Dobai A, Gregg AR. Predictors of the placental weight and placenta to birth weight ratio. *The 43rd Annual Meeting of the Society of Epidemiologic Research*. June 23-26, 2010, Seattle, WA. Poster.
94. Sun H, Liu J, Probst JC. Common leisure-time physical activities among US adolescents: Do they vary by residence and race/ethnicity? *The 43rd Annual Meeting of the Society of Epidemiologic Research*. June 23-26, 2010, Seattle, WA. Poster.
95. Liu J, Dobai A, Gregg AR. Predictors of the placental weight and placenta to birth weight ratio. *The 23rd Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research*. June 22-23, 2010, Seattle, WA. Poster.
96. Sun H, Liu J, Beets M, Probst JC. Accessing common leisure-time physical activities during adolescence and their natural groupings. *The South Carolina Public Health Association's 2010 Annual Meeting*. May 25-28, 2010, Myrtle Beach, SC. Poster.
97. Gallagher AE, Liu J, Probst JC, Martin A. An examination of rural-urban differences in prepregnancy body mass index and gestational weight gain. *The 33rd National Rural Health*

Conference. May 19-21, 2010, Savannah, GA. Podium.

98. **Liu J**, Jones SJ, Han S, Probst JC, Merchant A, Cavicchia P*. Diet, physical activity, and sedentary behaviors as risk factors for childhood obesity: An urban and rural comparison. *The 33rd National Rural Health Conference*. May 19-21, 2010, Savannah, GA. Podium.
99. **Liu J**, Dobai A, Vena JE, Heidari K, Wilcox S. Lower weight gain during pregnancy can reduce the risk of gestational diabetes? *The 15th Annual Maternal and Child Health Conference*. December 9-11, 2009, Tampa, FL. Poster.
100. **Liu J**, Dobai A, Vena JE. Joint effect of maternal prepregnancy weight and gestational weight gain on macrosomia, South Carolina. *The 15th Annual Maternal and Child Health Conference*. December 9-11, 2009, Tampa, FL. Poster.
101. Ogbuanu CA, Glover S, Probst JC, **Liu J**, Hussey J. The effect of maternity leave length and time of return to work on breastfeeding initiation and duration. *The 15th Annual Maternal and Child Health Conference*. December 9-11, 2009, Tampa, FL. Podium.
102. Ogbuanu CA, Glover S, Probst JC, **Liu J**, Hussey J. The effect of employment characteristics on breastfeeding initiation. *Greg Alexander Outstanding Student Paper Session at the 137th Annual Meeting of American Public Health Association*. November 7-11, 2009, Philadelphia, PA. Podium.
103. Luchok K, **Liu J**, Swayampakala K, Moran R. Testing the weathering hypothesis of disparities in birth outcomes. *The 137th Annual Meeting of American Public Health Association*. November 7-11, 2009, Philadelphia, PA. Podium.
104. **Liu J**, Dobai A, Vena JE. Joint effect of maternal prepregnancy weight and gestational weight gain on macrosomia, South Carolina. *The 42nd Annual Meeting of Society of Epidemiologic Research*. June 23-26, 2009, Anaheim, CA. Poster.
105. **Liu J**, Dobai A, Vena JE, Heidari K, Wilcox S. Lower weight gain during pregnancy can reduce the risk of gestational diabetes? *The 42nd Annual Meeting of Society of Epidemiologic Research*. June 23-26, 2009, Anaheim, CA. Poster.
106. **Liu J**, Dobai A, Vena JE. Joint effect of maternal prepregnancy weight and gestational weight gain on macrosomia, South Carolina. *The 22nd Annual Meeting of Society for Pediatric and Perinatal Epidemiologic Research*. June 22-23, 2009, Anaheim, CA. Poster.
107. **Liu J**, Dobai A, Vena JE, Heidari K, Wilcox S. Lower weight gain during pregnancy can reduce the risk of gestational diabetes? *The 22nd Annual Meeting of Society for Pediatric and Perinatal Epidemiologic Research*. June 22-23, 2009, Anaheim, CA. Poster.
108. **Liu J**, Akinbami LJ, Cai B. Gestational weight gain and overweight status in children at age 3. *The 22nd Annual Meeting of Society for Pediatric and Perinatal Epidemiologic Research*. June 22-23, 2009, Anaheim, CA. Poster.
109. Kim J, **Liu J**, Colabianchi N, Ortaglia A, Pate R. Neighborhood effects on adolescent's physical activity and sedentary behaviors. *Annual Conference of Active Living Research*. February 18-20, 2009, San Diego, CA. Poster.
110. **Liu J**, Hannum E, Frongillo EA. Food insecurity, nutritional deprivation, and children's functioning at school in rural China. *Conference on Poverty, Education, and Health in Rural China at the University of Oxford*. December 15-16, 2008, Oxford, United Kingdom. Podium.
111. Ogbuanu CA, Luchok K, Karmaus W, **Liu J**, Glover S, Meier P. Does recent funding for breastfeeding research mirror the Healthy People 2010 breastfeeding objectives? *The 14th Annual Maternal and Child Health Epidemiology Conference*. December 10-12, 2008,

Atlanta, GA. Poster.

112. Ogbuanu CA, Probst JC, Laditka SB, **Liu J**, Baek JD, Glover S. Reasons why women do not breastfeed: A southeastern state study. *Greg Alexander Outstanding Student Paper Session at the 136th APHA Annual Meeting*. October 25-29, 2008, San Diego, CA. Podium.
113. **Liu J**, Dobre M, Smith M, Ferguson J. Maternal obesity is negatively associated with breastfeeding practices among white but not black women. *The 41st Annual Meeting of Society of Epidemiologic Research*. June 24-27, 2008, Chicago, IL. Poster.
114. Gallagher A, **Liu J**, Karmaus W, Cai B, Arshad SH, Kurukulaaratchy R, Matthews S. Early life factors and body mass index in children up to age 10. *The 41st Annual Meeting of Society of Epidemiologic Research*. June 24-27, 2008, Chicago, IL. Poster.
115. **Liu J**, Dobre M, Smith M, Ferguson J. Maternal obesity is negatively associated with breastfeeding practices among white but not black women. *The 21st Annual Meeting of Society for Pediatric and Perinatal Epidemiologic Research*. June 23-24, 2008, Chicago, IL. Poster.
116. **Liu J**, Dobre M, Smith M, Ferguson J. The association between maternal obesity and breastfeeding duration: A comparison of black and white women in South Carolina. *The 13th Annual Maternal and Child Health Epidemiology Conference*. December 12-14, 2007, Atlanta, GA. Podium.
117. Ogbuanu CA, Probst JC, Laditka SB, **Liu J**, Baek JD. Reasons why women do not breastfeed: A southeastern state study. *The 13th Annual Maternal and Child Health Epidemiology Conference*. December 12-14, 2007, Atlanta, GA. Podium.
118. **Liu J**, Bennett KJ, Harun N, Zheng X, Probst JC. Obesity and physical inactivity in urban and rural children aged 10-17 years in the United States. *The 30th Annual Conference of the National Rural Health Association*. May 16-18, 2007, Anchorage, AK. Podium.
119. Bennett KJ, **Liu J.**, Harun N, Zheng X. The impact of race and income among rural children who participate in after-school sports activities. *The 30th Annual Conference of the National Rural Health Association*. May 16-18, 2007, Anchorage, AK. Poster.
120. **Liu J**, Bennett KJ, Harun N, Zheng X, Probst JC. Poverty as a contributor to physical inactivity among South Carolina's rural children. *The South Carolina Obesity Prevention Conference: Changing the Shape of South Carolina*. March 30, 2007, Columbia, SC. Poster.
121. **Liu J**, Bennett KJ, Harun N, Zheng X, Probst JC. Poverty as a contributor to physical inactivity among South Carolina's rural children. *The Annual Conference of South Carolina Rural Health Association*. March 2007, Columbia, SC. Poster.
122. Bennett KJ, **Liu J**, Harun N, Zheng X. Prevalence of overweight and obesity among children in the South: A multi-level rural examination. *The Annual Conference of South Carolina Rural Health Association*. March 2007, Columbia, SC. Poster.
123. **Liu J**, Zhu H, Probst JC, Pate RR. Perceived neighborhood environments, activity patterns, and overweight status among US children. *The 12th Annual Maternal and Child Health Epidemiology Conference*. December 6-8, 2006, Atlanta, GA. Podium.
124. **Liu J**, Probst JC, Martin AB, Wang JY, Salinas CF. Disparities in dental insurance coverage and dental care among US children, the 2003 National Survey of Children's Health. *The 12th Annual Maternal and Child Health Epidemiology Conference*. December 6-8, 2006, Atlanta, GA. Poster.
125. Lobelo F, Liese AD, **Liu J**, Pate RR, Dabelea D, Mayer-Davis EJ, D'Agostino Jr RB,

- Hamman RF. Compliance with physical activity and electronic media use recommendations among youth with and without diabetes mellitus. *North American Society for Pediatric Exercise Medicine*. September 2006, Charleston, SC. Poster.
126. **Liu J**, Karmaus WM, Yang Z. Comparison of gestational age estimates: Implications for preterm delivery rates. *The 2nd North American Congress of Epidemiology*. June 21-24, 2006, Seattle, WA. Poster.
127. **Liu J**, Karmaus WM, Yang Z. Comparison of gestational age estimates: Implications for preterm delivery rates. *The 19th Annual Meeting for Society for Pediatric & Perinatal Epidemiology*. June 20-21, 2006, Seattle, WA. Poster.
128. **Liu J**, Laditka JN, Mayer-Davis EJ, Pate RR. Physical activity during pregnancy may reduce risk of gestational diabetes among previously inactive women. *American Diabetes Association 66th Scientific Sessions*. June 9-13, 2006, Washington D.C. Poster.
129. Yusem SH, Rosenberg KD, Dixon-Gray L, **Liu J**. Evaluating a public health nursing intervention: The 5 A's for prenatal smoking cessation. *The 133rd Annual Meeting of American Public Health Association*. December 10-14, 2005, Philadelphia, PA. Poster.
130. **Liu J**, Rosenberg KD, Li R, Grummer-Strawn LM. The effect of newborn hospital breastfeeding support on breastfeeding duration. *The 10th Annual Maternal and Child Health Epidemiology Conference*. December 7-9, 2005, Miami, FL. Podium.
131. **Liu J**, Rosenberg KD, Sandoval AP. Breastfeeding duration and perinatal cigarette smoking in a population-based cohort. *The 18th Annual Meeting of Society for Pediatric & Perinatal Epidemiology*. June 26-27, 2005, Toronto, Canada. Poster.
132. Adler M, Rosenberg KD, Stull J, **Liu J**, Crivelli-Kovach A. Newborn hospital support and breastfeeding: A survey of Oregon hospitals. *The 3rd Western MCH Epidemiology Meeting*. May 12, 2005, Portland, OR. Podium.
133. Yusem SH, Rosenberg KD, Dixon-Gray L, **Liu J**. The 5 A's protocol for prenatal smoking cessation: How well public health nurses delivered it to their pregnant clients. *The 3rd Western MCH Epidemiology Meeting*. May 12, 2005, Portland, OR. Podium.
134. **Liu J**, Kent TM, Rosenberg KD. Randomized trial of incentives to increase response rates to mailed PRAMS questionnaires in Oregon. *The 2004 PRAMS National Meeting*. December 6-7, 2004, Atlanta, GA. Poster.
135. **Liu J** and Rosenberg KD. HIV counseling and testing during pregnancy. *The 10th Annual Maternal and Child Health Epidemiology Conference*. December 8-10, 2004, Atlanta, GA. Podium.
136. **Liu J** and Rosenberg KD. Early weaning and cigarette smoking around the time of pregnancy: Findings from the 2000-2001 Oregon Pregnancy Risk Assessment Monitoring System. *The 9th Annual Maternal and Child Health Epidemiology Conference*. December 10-12, 2003, Tempe, AZ. Poster.
137. **Liu J**, Larsen U, Wyshak G. Factors affecting adoption in China in the period 1950 – 1987. *The 98th Annual Meeting of American Sociological Association*. August 16-19, 2003, Atlanta, GA. Podium.
138. **Liu J**. Effect of adoptive status on children's well-being in China. *The Annual Meeting of the Population Association of American*. May 9-11, 2002, Atlanta, GA. Podium.

139. **Liu J** and Larsen U. The prevalence and differentials of primary infertility in the Three Minority Province/Autonomous Regions in China. *The Annual Meeting of American Association of Public Health*. October 2001, Atlanta, GA. Poster.
140. **Liu J**. The demography of adoption: Its scope and functions in China. *The Annual Meeting of the Population Association of American*. March 2001, Washington, D.C. Poster.
141. **Liu J** and Larsen U. The prevalence and differentials of primary infertility in the Three Minority Province/Autonomous Regions in China. *The Annual Meeting of the Population Association of America*. March 23-25, 2000, Los Angeles, CA. Poster.
142. Rahman MO and **Liu J**. Demography of adult disability in rural Bangladesh. *The Annual Meeting of the Population Association of America*. March 25-27, 1999, New York. Poster.
143. **Liu J**. Men's Participation in family planning in China. *The NGO Forum of the Fourth United Nations World Conference on Women*. 1995, Beijing China. Podium.

TEACHING EXPERIENCE

UNIVERSITY OF SOUTH CAROLINA, ARNOLD SCHOOL OF PUBLIC HEALTH

EPID 701	Concepts and Methods in Epidemiology Fall, 2006-2012. Fall, 2017, 2019
EPID 741	Advanced Methods in Epidemiology Spring, 2013, 2014, 2015, 2016, 2017.
EPID 742	Epidemiologic Concepts in Selected Disease or Health Conditions Spring, 2006, 2007.
EPID 745	Seminar in Epidemiology Spring, 2009. Fall 2011. Fall 2018
EPID 765	Reproductive and Perinatal Epidemiology Spring, 2006, 2008, 2010, 2012, 2014.
EPID 788	Practical Methods for Secondary Data Analysis Spring 2018, 2019; Fall 2020; Fall 2021; Fall 2022
EPID 790	Independent Study (Master level)
EPID 798	Public Health Practice
EPID 799	Master Thesis Preparation
EPID 845	Doctoral Seminar Spring, 2011. Fall 2020, Fall 2021
EPID 890	Independent Study (Doctoral level)
BIOS 890	Biostatistics Consulting Practicum
EPID 899	Dissertation Preparation
SCHC 499	Honor's College Senior Thesis, Fall, 2021, Spring, 2022

Courses where Dr. Liu lectures

EPID 721	Clinical and Population Research Protocol Development and Implementation
----------	--

EPID 745	Master Seminar in Epidemiology
EPID 763	Nutritional Epidemiology
EPID 801	Epidemiologic Methods III
EPID 845	Epidemiology Doctoral Seminar
EXSC 410	Psychology of Physical Activity
EXSC 585	Women's Health and Physical Activity
EXSC 700	Physical Activity Epidemiology Research & Practice
EXSC 755	Women's Health and Physical Activity
HPEB 620	Nutrition Through the Life Cycle
HPEB 621	Maternal and Child Health Education
HPEB 772	Current Trends in Developing World Health
HSPM 702	Maternal and Child Health Programs and Policies: Past, Present, and Future
HSPM J800	Doctoral Seminar

HARVARD SCHOOL OF PUBLIC HEALTH

BIO 210	The Analysis of Rates and Proportions Spring 2003. (Teaching Fellow)
BIO 111	Introduction to Programming in SAS Spring 2003. (Teaching Assistant)
BIO 113	Introduction to Data Management and Programming in SAS Fall 2001, 2002 (Teaching Assistant)
PIH 213	Computing Methods for Demography and International Health Spring 1998. (Teaching Assistant)
PIH 222	Fertility Analysis Spring 1998. (Teaching Assistant)

PROFESSIONAL SERVICES

PROFESSIONAL SERVICES - NATIONAL

2022 – Present	Associate Editor, <i>American Journal of Public Health</i>
2005 – Present	Member of Editorial Board, <i>Maternal and Child Health Journal</i>
2011 – Present	Member of Editorial Board, <i>International Journal of MCH and AIDS</i>
2012 – 2016	Organizer / Moderator, EnRICH (Research Innovations & Challenges) webinars, sponsored by Maternal and Child Health Bureau's Office of Epidemiology and Research, Health Resources and Services Administration
2005 – 2011	Co-Organizer, Annual Outstanding Student Papers in Maternal and Child Health Showcase, Annual Meeting of American Public Health Association

GRANT REVIEWER

Jihong Liu

2022	NIH, 2022/10 ZRG1 RPHB-H (53)
2020	Veterans Affairs (VA) Small Projects in Rehabilitation Research (SPiRE)
2020	CDC Special Emphasis Panel – ZDP1 KVA(02)
2019	NIH – Infectious Disease, Reproductive Health, and Asthma/Pulmonary Conditions (IRAP) study section
2019	NIH – Community-Level Health Promotion Study Section.
2019	NIH – Special Emphasis Panel for Translational Research in Pediatric and Obstetric Pharmacology and Therapeutics.
2018	NIH – Social Sciences and Population Studies (SSPA) study section
2017, 2018	NIH – NIDDK. R34 and R18 (PAR-15-157/158, PAR-13-365)
2011, 2016	the Research Grant Council of Hong Kong
2011	NIH –Research Demonstration and Dissemination Project Grant (R18 & R34), NIDDK
2011	CDC – RFA DP11-002: Maternal Vitamin D Status and Preterm Birth (ZDP1 DYB(06))
2007, 2008, 2009, 2010	HRSA - R40: Maternal and Child Health Research Program
2009	HRSA - R40: Maternal and Child Health Autism Intervention Research
2008	CDC - Grants for Public Health Research Dissertation

Tenure and Promotion REVIEWER

2021 University of Maryland

DISSERTATION REVIEWER

2018 External reviewer of the dissertation, Curtin University, Australia

ABSTRACT REVIEWER

2005 – 2007 Epidemiology Program, 133rd, 134th, 135th Annual Meeting of the American Association of Public Health

2006 – 2007 Annual Meeting of Society for Perinatal and Pediatric Epidemiologic Research

2004 – 2006 10th, 11th, 12th Annual Maternal and Child Health Epidemiology Conference

PROFESSIONAL SERVICES - STATE

2019 – 2021 Chair of South Carolina Birth Defects Program Research Workgroup

2015 – Present Member of the South Carolina Behavioral Risk Factor Surveillance System (BRFSS) Advisory Group

2007 – Present Member of the South Carolina Birth Defects Advisory Council

2005 – Present Member of the Steering Committee for South Carolina Pregnancy Risk Assessment Monitoring System (PRAMS)

PROFESSIONAL SERVICES - UNIVERSITY

- 2016 – Present Bio-behavioral-Biomedical Interface Program (BBIP) predoctoral fellowship program (NIH-T32), Core faculty mentor
- 2018 ASPIRE grant proposal reviewer
- 2017 – 2020 Elected member and Panel Chair, USC's University Committee on Tenure and Promotions (August 2017 – August 2020)
- 2013 Reviewer, SPARC Graduate Fellowship, Office of the Vice President for Research, USC
- 2009 – 2012 Faculty Welfare Committee, University of South Carolina
- 2009 – 2011 Chair for Interdisciplinary Conference on Pregnancy and Health of Women and Children, University of South Carolina
- 2006 - 2008 Member of Faculty Excellence Initiative (FEI) Search Committee on Childhood Obesity (3 faculty members hired), USC
- 2005 – 2012 Member of South Carolina Public Health Consortium Research Workgroup

PROFESSIONAL SERVICES - SCHOOL

- 2011 – present School of Public Health's Tenure and Promotion Committee
- 2018 – 2021 Member of Data Safety and Monitoring Board for the Nutritious Eating with Soul Study
- 2017 – 2018 Ad-Hoc Committee for the School T&P Criteria Revision
- 2016 – 2019 Faculty Search for a tenure-track assistant professor, Technology Center to Promote Healthy Lifestyles, USC (3 faculty hired)
- 2016 – 2017 Faculty Search Committee, Department of Health Services Policy and Management, USC (1 faculty hired)
- 2014 – 2018 MPH in Physical Activity & Public Health Advisory Committee, USC
- 2015 – 2016 Faculty Search Committee on Physical Activity, Department of Exercise Science, USC (2 faculty members hired)
- 2015 – 2016 Faculty Search for a tenure-track assistant professor, Technology Center to Promote Healthy Lifestyles, USC (1 faculty hired)
- 2014 – 2015 Faculty Search Committee for Director of Masters in Health Administration (MHA), Health Services Policy and Management Department, USC.
- 2013 Member of Open Rank Faculty Search Committee on Epidemiology
- 2013 Steering Committee, Center for Research in Nutrition and Health Disparity
- 2011 – 2012 Student Award Committee
- 2011 – 2012 Search Committee for Department Chair (EPID/BIOS)
- 2011 Faculty Search Committee on Physical Activity and Health Cluster Hiring (4 faculty hired)
- 2010 School's Strategic Research Planning - Nutrition Task Force
- 2010 – 2014 Member of Student's Award Committee, Arnold School of Public Health,

University of South Carolina

2007 – 2008 Member of Faculty Search Committee on Health Services Policy and Management. University of South Carolina

PROFESSIONAL SERVICES - DEPARTMENT

2019 – 2020 Faculty Search Committee (Epidemiology Methodology faculty hire)

2005 - Present Question writer and grader for master's and doctoral qualifying and comprehensive exams in epidemiology

2007 – Present Member of Curriculum Committee, Department of Epidemiology and Biostatistics, University of South Carolina.

2017 – 2019 Chair of Epidemiology Curriculum Committee. Redesign EPID curriculum according to new CEPH criteria (MPH, MSPH, PhD)

2017 Search Committee for Department Chair (EPID/BIOS), University of South Carolina

2014 - 2016 Chair, Faculty Search Committee in Physical Activity Epidemiology, University of South Carolina (1 faculty hired)

2010 - 2012 Chair of Exam Committee, Department of Epidemiology and Biostatistics, University of South Carolina.

2005 – 2009, 2013 - 2014 Exam Committee, Department of Epidemiology and Biostatistics, University of South Carolina.

2005 – 2010 (excluding 2007) Admission Committee, Department of Epidemiology and Biostatistics, University of South Carolina.

AD HOC MANUSCRIPT PEER REVIEWER

American Journal of Clinical Nutrition
American Journal of Preventive Medicine
American Journal of Public Health
Annals of Epidemiology
American Journal of Epidemiology
Archives of Pediatrics & Adolescent Medicine
BMC Pregnancy and Childbirth
BMC Pediatrics
British Journal of Obstetrics and Gynecology
Childhood Obesity
Diabetes
Health Affairs
International Journal of Obesity
Journal of Adolescent Health
JAMA - Pediatrics
Journal of Physical Activity and Health
Journal of Rural Health

Lancet West Regional Health
Maternal and Child Health Journal
Obesity
Pediatrics
Pediatric and Perinatal Epidemiology
Pediatric Obesity
Public Health Nutrition
Obesity Review
Social Science & Medicine