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Arnold School of Public Health
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EDUCATION

2019-2021 Postdoctoral training, George Washington University
2015-2019 PhD, Epidemiology, University of North Carolina at Chapel Hill
2012-2014 MSPH, Epidemiology, Emory University
2007-2012 MBBS, Preventive Medicine, Shanghai Jiao Tong University

PROFESSIONAL EXPERIENCES

2022- Affiliate faculty, South Carolina SmartState Center for Healthcare Quality, University of South Carolina, Columbia, SC

2022- Affiliate faculty, Office for the Study of Aging, Arnold School of Public Health, University of South Carolina, Columbia, SC

2021- Assistant professor (tenure-track), Department of Epidemiology and Biostatistics, Arnold School of Public Health, University of South Carolina, Columbia, SC

2020-2021 Part-time faculty, Department of Epidemiology, Milken Institute School of Public Health, George Washington University, Washington, DC

2019-2021 Post-doctoral scientist, Department of Epidemiology, Milken Institute School of Public Health, George Washington University, Washington, DC

2018 Graduate teaching assistant, Department of Epidemiology, Gillings School of Global Public Health, University of North Carolina at Chapel Hill, Chapel Hill, NC

2015-2019 Graduate research assistant, Department of Epidemiology, Gillings School of Global Public Health, University of North Carolina at Chapel Hill, Chapel Hill, NC

2014-2015 Research associate, Emory Global Diabetes Research Center, Hubert Department of Global Health, Rollins School of Public Health, Emory University, Atlanta, GA

PUBLICATIONS (*Corresponding author)

45. Tang H, Niu S, Brown J, **Wei J**, Winterstein A, Bian J, Guo J. *Newer Glucose-Lowering Drugs and Risk of Dementia: A Meta-Analysis of Cardiovascular Outcome Trials*. *J Am Geriatr Soc*. 2022 May 25. doi: 10.1111/jgs.17895. Online ahead of print. [PMID: 35612586]
44. GBD 2019 Ageing Collaborators (**including Jingkai Wei**). *Global, regional, and national burden of diseases and injuries for adults 70 years and older: systematic analysis for the Global Burden of Disease 2019 Study*. *BMJ*. 2022 Mar 10;376:e068208. [PMID: 35273014]

43. Zhao Y, Zhang J, Zheng K, Xu Y, Thai S, Simpson RJ, Kinlaw AC, **Wei J**, Cui X, Buse JB, Stumer T, Wang T. *Serious Cardiovascular Adverse Events Associated with Hydroxychloroquine/chloroquine Alone or with Azithromycin in Patients with COVID-19: A pharmacovigilance analysis of FDA Adverse Event Reporting System (FAERS)*. *Drugs Real World Outcomes*. 2022 Apr 6;1-11. [PMID: 35386046]
42. Chandrasekar EK, Ali MK, **Wei J**, Narayan KMV, Owen-Gary MD, Bullard KM. *Trends in depression by glycemic status: Serial cross-sectional analyses of the National Health and Nutrition Examination Surveys, 2005-2016*. *Prim Care Diabetes*. 2022 Mar 7;S1751-9918(22)00061-4. [PMID: 35272962]
41. Bennett EE, Lynch KM, Xu X, Park ES, Ying Q, **Wei J**, Smith RL, Stewart JD, Whitsel EA, Power MC. *Characteristics of movers and predictors of residential mobility in the Atherosclerosis Risk in Communities (ARIC) cohort*. *Health & Place*. 2022; 74:102771. [PMID: 35247797]
40. **Wei J***, Wang L, Kulshreshtha A, Xu H. *Adherence to Life's Simple 7 and Cognitive Function: The National Health and Nutrition Examination Survey 2011-2014*. *J Am Heart Assoc*. 2022 Mar 4:e022959. [PMID: 35243896]
39. **Wei J***, Lu Y, Wang T, Li K, Goodman M, Xu H. *The Associations of Late-life Depression with All-cause and Cardiovascular Mortality: The NHANES 2005-2014*. *J Affect Disord*. 2021 Dec 28;S0165-0327(21)01423-3. doi: 10.1016/j.jad.2021.12.104. Online ahead of print. [PMID: 34971700]
38. Power MC, Engelman B, **Wei J**, Glymour MM. *Closing the Gap between Observational Research and Randomized Controlled Trials for Prevention of Alzheimer's Disease and Dementia*. *Epidemiol Rev*. 2022 Apr 20;mxac002. [PMID: 35442427]
37. Galaviz KI, Web MB, Suvada K, Gujral UP, **Wei J**, Merchant R, Dharanendra S, Haw JS, Narayan V, Ali MK. *Interventions for reverting prediabetes: a systematic review and meta-analysis*. *Am J Prev Med*. 2022 Feb 9;S0749-3797(21)00596-1. [PMID: 32607719]
36. Kadam I, Neupane S, **Wei J**, Fullington LA, Li T, An R, Jiang X, Wang L. *A Systematic Review of Diet Quality Index and Obesity Among Chinese Population*. *Nutrients*. 2021 Oct 11;13(10):3555. [PMID: 34684556]
35. **Wei J***, Gianattasio KZ, Bennett EE, Xu X, Park ES, Smith RL, Stewart J, Ying Q, Whitsel EA, Power MC. *The Associations of Dietary Copper with Cognitive Outcomes: The ARIC Study*. *Am J Epidemiol*. 2022 Mar 3;kwac040. [PMID: 35238336]
34. GBD 2019 Collaborators (**including Jingkai Wei**). *Global mortality from dementia: Application of a new method and results from the Global Burden of Disease Study 2019*. *Alzheimers Dement (N Y)*. 2021; 7(1): e12200. [PMID: 34337138]
33. **Wei J***, Ali MK, Wang T, Xu H. *Abdominal Aortic Calcification and Cognitive Function among Older Adults: Cross-sectional Analysis of National Health and Nutrition Examination Survey, 2013-2014*. *Int J Geriatr Psychiatry*. 2021 Jul 5. doi: 10.1002/gps.5599. Online ahead of print. [PMID: 34227162]
32. Almuwaqqat Z, Claxton JS, Norby FL, Lutsey PL, **Wei J**, Soliman EZ, Chen LY, Matsushita K, Heiss G, Alonso A. *Association of Arterial Stiffness with Incident Atrial Fibrillation: A Cohort Study*. *BMC Cardiovasc Disord*. 2021 May 20;21(1):247. [PMID: 34016038]
31. Guo M, Thai S, Zhou J, **Wei J**, Zhao Y, Xu W, Wang T, Cui X. *Evaluation of Rivaroxaban-, Apixaban- and Dabigatran-Associated Hemorrhagic Events Using the FDA-Adverse Event*

Reporting System (FAERS) Database. *Int J Clin Pharm.* 2021 Jun 9. doi: 10.1007/s11096-021-01273-8. Online ahead of print. [PMID: 34109494]

30. GBD 2019 Hearing Loss Collaborators (**including Jingkai Wei**). **Hearing loss prevalence and years lived with disability, 1990-2019: findings from the Global Burden of Disease Study 2019.** *Lancet.* 2021 Mar 13;397(10278):996-1009. [PMID: 33714390]

29. Gujral UP, Jagannathan R, He S, Huang M, Staimez LR, **Wei J**, Singh N, Narayan KMV. **Association between varying cut-points for intermediate hyperglycemia and risk of mortality, cardiovascular events, and chronic kidney disease: A systemic review and meta-analysis.** *BMJ Open Diabetes Res Care.* 2021 Apr;9(1):e001776. [PMID: 33906835]

28. Ma X, **Wei J**, Shi L, Li Y, Congdon N, Zhang D. **Sensory Impairment and Cognitive Function in Chinese Mid-Aged and Elderly Population: A Four-Year Follow-Up Study.** *J Geriatr Psychiatry Neurol.* 2021 Apr 1;8919887211006467. [PMID: 33792435]

27. Kwan A, **Wei J**, Dowling NM, Power MC, Nadareishvili Z. **Cognitive Impairment after Lacunar Stroke and The Risk of Recurrent Stroke and Death: SPS3 Subgroup Analysis.** *Cerebrovasc Dis.* 2021 Mar 22;1-7. [PMID: 33752211]

26. Gianattasio KZ, Bennett EE, **Wei J**, Mehrotra ML, Mosley T, Gottesman R, Wong DF, Stuart E, Griswold ME, Couper D, Glymour MM, Power MC. **When are representative samples necessary for generalizability? A comparison between ADNI and ARIC.** *Alzheimers Dement.* 2021 Feb 1. doi: 10.1002/alz.12293. Online ahead of print. [PMID: 33527720]

25. GBDNHLBI-JACC Global Burden of Cardiovascular Diseases Writing Group (**including Jingkai Wei**). **Global Burden of Cardiovascular Diseases and Risk Factors, 1990–2019: Update from the GBD 2019 Study.** *J Am Coll Cardiol.* 2020 Dec 3;S0735-1097(20)37775-5. [PMID: 33309175]

24. GBD 2019 Risk Factors Collaborators (**including Jingkai Wei**). **Global burden of 87 risk factors in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019.** *Lancet.* 2020 Oct 17;396(10258):1223-1249. [PMID: 33069327]

23. GBD 2019 Diseases and Injuries Collaborators (**including Jingkai Wei**). **Global burden of 369 diseases and injuries in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019.** *Lancet.* 2020 Oct 17;396(10258):1204-1222. [PMID: 33069326]

22. GBD 2019 Demographics Collaborators (**including Jingkai Wei**). **Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950-2019: a comprehensive demographic analysis for the Global Burden of Disease Study 2019.** *Lancet.* 2020 Oct 17;396(10258):1160-1203. [PMID: 33069325]

21. GBD 2019 Viewpoint Collaborators (**including Jingkai Wei**). **Five insights from the Global Burden of Disease Study 2019.** *Lancet.* 2020 Oct 17;396(10258):1135-1159. [PMID: 33069324]

20. **Wei J***, Hou R, Xie L, Chandrasekar EK, Lu H, Wang T, Li C, Xu H. **Sleep, sedentary activity, physical activity, and cognitive function among older adults: The National Health and Nutrition Examination Survey, 2011-2014.** *J Sci Med Sport.* 2020 Sep 28;S1440-2440(20)30772-6. [PMID: 33032913]

19. Lu W, Sun S, **Wei J**, Thai S, Li D, Tang H, Wang T, Sun L. **Dipeptidyl peptidase-4 inhibitors and Risk of venous thromboembolism: Data mining of FDA adverse event reporting system.** *Int J Clin Pharm.* 2020 Oct;42(5):1364-1368. [PMID: 32951183]

18. **Wei J***, Palta P, Meyer ML, Kucharska-Newton A, Pence BW, Aiello AE, Power MC, Walker K, Sharrett AR, Tanaka H, Jack C, Reid R, Reyes D, Mosley T, Heiss G. *Aortic Stiffness and Cerebral White Matter Microstructural Integrity Assessed by Diffusion Tensor Imaging: The ARIC-NCS*. *J Am Heart Assoc*. 2020 Mar 17;9(6):e014868. [PMID: 32157957]
17. **Wei J***, Galaviz KI, Kowalski AJ, Magee MJ, Haw JS, Narayan KMV, Ali MK. *Comparison of Cardiovascular Events Among Users of Different Classes of Antihypertension Drugs: A Systematic Review and Network Meta-analysis*. *JAMA Netw Open*. 2020;3(2):e1921618. [PMID: 32083689]
16. **Wei J***, Xie L, Song S, Wang T, Li C. *Isotemporal Substitution Modeling on Sedentary Behaviors and Physical Activity with Depressive Symptoms among Older Adults in the U.S.: The National Health and Nutrition Examination Survey, 2007-2016*. *J Affect Disord*. 2019 Jul 5;257:257-262. [PMID: 31301629]
15. Hou R, **Wei J**, Hu Y, Zhang X, Chandrasekar EK, Sun X, Voruganti S. *Dietary Pattern and Risk and Survival of Breast Cancer: A Meta-Analysis of Cohort Studies*. *Cancer Causes Control*. 2019 Aug;30(8):835-846. [PMID: 31165965]
14. Galaviz KI, Ali MK, Haw JS, Magee MJ, Kowalski AJ, **Wei J**, Straus A, Weber MB, Vos T, Murray C, Narayan KM. *A Taxonomy for Estimating Effectiveness from Efficacy Data: Examples from Interventions to Prevent Cardiometabolic Disease*. *Diabetes Res Clin Pract*. 2020 Jan;159:107751. [PMID: 31152807]
13. Shen L, Li C, Wang Z, Zhang R, Shen Y, Miles T, **Wei J**, Zou Z. *Early-Life Exposure to Severe Famine Is Associated with Higher Methylation Level in the IGF2 Gene and Higher Total Cholesterol in Late Adulthood: The Genomic Research of the Chinese Great Famine (GRECF) study*. *Clin Epigenetics*. 2019 Jun 10;11(1):88. [PMID: 31182144]
12. **Wei J***, Hou R, Zhang X, Xu H, Xie L, Chandrasekar EK, Ying M, Goodman M. *The associations of late-life depression with all-cause mortality and cardiovascular mortality among community-dwelling older adults: systematic review and meta-analysis*. *Br J Psychiatry*. 2019 Aug;215(2):449-455. [PMID: 30968781]
11. Rao S, Galaviz KI, Gay H, **Wei J**, Armstrong W, del Rio C, Narayan KMV, Ali MK. *Factors Associated with Excess Myocardial Infarction Risk in HIV-infected Adults: A Systematic Review and Meta-Analysis*. *J Acquir Immune Defic Syndr*. 2019 Jun 1;81(2):224-230. [PMID: 30865179]
10. **Wei J***, Ying M, Xie L, Chandrasekar EK, Lu H, Wang T, Li C. *Late-life Depression and Cognitive Function among Older Adults in the U.S.: The National Health and Nutrition Examination Survey, 2011-2014*. *J Psychiatr Res*. 2019 Jan 11;111: 30-35. [PMID: 30660811]
9. Palta P, Sharrett AR, **Wei J**, Meyer ML, Power MC, Deal JA, Jack CR, Knopman D, Wright J, Griswold M, Tanaka H, Mosley TH, Heiss G. *Central Arterial Stiffness is Associated with Cerebral Small Vessel Disease and Poorer Cognitive Performance: the ARIC-NCS Study*. *J Am Heart Assoc*. 2019 Jan 22;8(2): e011045. [PMID: 30646799]
8. **Wei J***, Anjana RM, Goenka S, Lobelo F, Shivashankar R, Kadir M, Tandon N, Mohan V, Narayan V, Prabhakaran D, Ali MK. *Physical activity, sitting, and risk factors of cardiovascular disease: a cross-sectional analysis of the CARRS study*. *J Behav Med*. 2019 Jun;42(3):502-510. [PMID: 30446920]
7. **Wei J***, Hou R, Xi Y, Kowalski A, Wang T, Yu Z, Hu Y, Chandrasekar EK, Sun H, Ali MK. *The Dose-Response Relation between Dietary Intake of Alpha-Linolenic Acid and Risk of Coronary*

Heart Disease: A Systematic Review and Meta-Analysis of Cohort Studies. *Br J Nutr.* 2018 Jan;119(1):83-89. [PMID: 29355094]

6. **Wei J***, Hu Y, Zhang L, Hao Q, Yang R, Lu H, Zhang X, Chandrasekar EK. ***Hearing Impairment, Mild Cognitive Impairment and Dementia: A Meta-Analysis of Cohort Studies.*** *Dement Geriatr Cogn Disord Extra.* 2017; 7:440-452. [PMID: 29430246]

5. Haw JS, Galaviz KI, Straus AN, Kowalski AJ, Magee MJ, Weber MB, **Wei J**, Narayan KMV, Ali MK. ***Long-term Sustainability of Diabetes Prevention Approaches: A Systematic Review and Meta-analysis of Randomized Clinical Trials.*** *JAMA Intern Med.* 2017 Dec 1;177(12):1808-1817. [PMID: 29114778]

4. Matthew EK, **Wei J**, Cunningham SA. ***Relationship between Prenatal Growth, Postnatal Growth, and Childhood Obesity: A Review.*** *Eur J Clin Nutr.* 2017 Aug;71(8):919-930. [PMID: 28247860]

3. Kim Y, **Wei J***, Citronberg J, Hartman TJ, Fedirko V, Goodman M. ***Relation of Vitamin E and Selenium Intakes to Prostate Cancer Risk by Smoking Status: A Review and Meta-Analysis.*** *Anticancer Res.* 2015 Sep; 35(9):4983-96. [PMID: 26254398]

2. **Wei J**, Pimple PM, Shah AJ, Rooks C, Bremner JD, Nye JA, Ibeanu I, Murrah N, Shallenberger L, Raggi P, Vaccarino V. ***Depressive Symptoms Are Associated with Mental Stress-Induced Myocardial Ischemia after Acute Myocardial Infarction.*** *PLoS ONE.* 2014 July; 9(7): e102986. [PMID: 25061993]

1. **Wei J**, Rooks C, Ramadan R, Shah AJ, Bremner JD, Quyyumi AA, Kutner M, Vaccarino V. ***Meta-analysis of Mental Stress-Induced Myocardial Ischemia and Subsequent Cardiac Events in Patients with Coronary Artery Disease.*** *Am J Cardiol.* 2014 Jul 15; 114(2):187-92. [PMID: 24856319]

MANUSCRIPTS UNDER REVIEW/REVISION

Huggins LKL, Min SH, Kaplan S, **Wei J**, Welsh-Bohmer K, Xu H. ***Meta-Analysis of Variations in Association between ApoE-e4 and Alzheimer's Disease and Related Dementias across Hispanic Regions of Origin.***

Li X, Zhou L, Gaggl M, Kinlaw AC, Gou Z, **Wei J**, Wang T. ***Remdesivir for COVID-19 and Acute Kidney Injury: Analysis of Data from the U.S. Food and Drug Administration Adverse Event Reporting System (FAERS).***

Wei J, Yang CH, Lohman MC, Brown MJ, Friedman DB. ***Patterns of Depressive Symptoms Over 6 Years with Incident Dementia: The Health and Retirement Study.***

Wei J, Xu H, Liese AD, Merchant AT, Wang L, Yang CH, Lohman MC, Brown MJ, Wang T, Friedman DB. ***The Predicted 10-Year Risk of Cardiovascular Disease and Cognitive Function among Older Adults: The National Health and Nutrition Examination Survey 2011-2014.***

Wei J, Yi F, Lu Y, Merchant AT, Xu H, Yang CH, Wang L, Ge S, Liese. ***Predicted 10-Year Risk of Cardiovascular Disease Risk and Coronary Heart Disease, and Excessive Heart Age among U.S. Adults, 1999-2018.***

MANUSCRIPTS IN PREPARATION

Wei J, Pike JR, Meyer ML, Sharrett AR, Randeem-Roche K, Kucharska-Newton A, Hughes TM, Matsushita K, Knopman DS, Tanaka H, Mosley TH, Heiss G, Palta P. ***Aortic Stiffness and Cognitive Decline in Late-Life: The Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS).***

Wei J, Xu H, Tang H, Zhang D, Wang T, Steck SE, Zhang J, Merchant AT. *Newly Initiation of Antihypertensive Medication on Reduction of Incident Dementia: Emulation of Target Trials Based on the Health and Retirement Study*.

Lohman MC, Fallahi A, Bawa EM, **Wei J**, Merchant AT. *Social mediators of the association between depression and falls among older adults*.

PRESENTATIONS AT NATIONAL OR INTERNATIONAL MEETINGS

SER's 2020 Annual Meeting

The Associations of Dietary Copper with Incident Dementia: The Atherosclerosis Risks in Community (ARIC) Study. Oral Presentation, 12/2020, online

32nd Annual Conference of the International Society for Environmental Epidemiology
The Associations of Dietary Copper with Incident Dementia: The Atherosclerosis Risks in Community (ARIC) Study. E-poster presentation, 08/2020

AHA EPI/Lifestyle Conference 2020

Aortic Stiffness And 5-year Cognitive Decline Among Community-dwelling Older Adults: The Atherosclerosis Risk In Communities Neurocognitive Study (ARIC-NCS). Poster Presentation, 03/04/2020, Phoenix, AZ

AHA EPI/Lifestyle Conference 2019

Aortic Stiffness and Late-life Depression: The Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS). Poster Presentation, 03/05/2019, Houston, TX

China Health Policy and Management Society (CHPAMS) 2018 Biennial Conference

Association of Replacing Sedentary Time with Moderate-to-Vigorous Physical Activity and Cognition in Older Adults: The National Health and Nutrition Examination Survey (NHANES), 2011-2014. Oral Presentation, 05/13/2018, New Haven, CT

AHA EPI/Lifestyle Conference 2018

Comparative Effectiveness of Blood Pressure Lowering Approaches: Results from a Network Meta-Analysis. Oral Presentation, 03/21/2018, New Orleans, LA

APHA Annual Meeting 2017

Hearing Impairment Is Associated with Risk of Mild Cognitive Impairment and Dementia: A Meta-analysis of Cohort Studies. Poster Presentation, 11/05/2017, Atlanta, GA

AHA EPI/Lifestyle Conference 2017

Association between Nitric Oxide Synthase Gene Polymorphism (Glu298Asp) and Blood Pressure in Older Adults: The Atherosclerosis Risk in Communities (ARIC) Study. Poster Presentation, 03/09/2017, Portland, OR

AHA EPI/Lifestyle Conference 2017

The Dose-Response Relation between Dietary Intake of Alpha-Linolenic Acid and Risk of Coronary Heart Disease: A Systematic Review and Meta-Analysis of Prospective Studies. Poster Presentation, 03/08/2017, Portland, OR

AHA EPI/Lifestyle Conference 2016

Isotemporal Substitution Modeling of Daily Physical Activity Intensity and Cardiometabolic Diseases among South Asians: The Centre for Cardiometabolic Risk Reduction in South-Asia (CARRS) Study. Poster Presentation, 03/02/2016, Phoenix, AZ

AHA EPI/Lifestyle Conference 2016

Arterial Stiffness and Pressure Amplification Are Associated with Lower Cognition among Older Caucasian Adults: The Atherosclerosis Risk in Communities (ARIC) Study. Poster Presentation, 03/01/2016, Phoenix, AZ

Best of AHA Specialty Conference (EPI/NPAM), AHA Scientific Session 2014

Depressive Symptoms Are Associated with Mental Stress-Induced Myocardial Ischemia after Acute Myocardial Infarction. Poster Presentation, 11/17/2014, Chicago, IL.

AHA EPI/NPAM Conference 2014

Depressive Symptoms Are Associated with Mental Stress-Induced Myocardial Ischemia after Acute Myocardial Infarction. Moderated Poster Presentation, 03/21/2014, San Francisco, CA.

INVITED PRESENTATIONS

The Aging Brain: A Great Challenge to Public Health. 01/09/2019, Peking University Health Science Center, Beijing, China

Aortic Stiffness and Cerebral White Matter Microstructural Integrity Assessed by Diffusion Tensor Imaging: The Atherosclerosis Risk in Communities Neurocognitive Study. 01/29/2019, University of North Carolina at Chapel Hill, Chapel Hill, NC

Aortic Stiffness, White Matter Integrity and Depressive Symptoms among Older Adults. 04/26/2019, George Washington University, Washington, DC

Toward Better Cognitive Health in Population via Epidemiology. 11/12/2020, University of South Carolina, Columbia, SC

Does Use of Antihypertensive Medication Reduce Incident Dementia among Older Adults? 09/20/2021, University of South Carolina, Columbia, SC

The associations of dietary copper with neurocognitive outcomes: The ARIC Study. 10/16/2021, China Health Policy and Management Society Webinar.

COAUTHORED ABSTRACTS

Higgins C, Aslanyan V, Cody KA, Ward TJ, Choi SE, **Wei J**, Amofa PA, Crane PK, Harrison TM. ***Tau PET shows both direct and atrophy-mediated effects on cognition: 4-way decomposition of the effects of tau PET and atrophy on cognitive performance.*** *The Alzheimer's Association International Conference (AAIC) 2022.*

Parker-Allotey NA, Bennett EE, Lynch KM, Xu X, Whitsel EA, Smith RL, Stewart JD, Ying Q, Park ES, **Wei J**, Power MC. ***Association of residential road proximity with cognitive decline and dementia: The Atherosclerosis Risk in Communities (ARIC) Study.*** *The Alzheimer's Association International Conference (AAIC) 2022.*

Meyer ML, Saraiya V, Tanaka H, Palta P, Hughes T, Kucharska-Newton A, **Wei J**, Matsushita K, Folsom AR, Hoogeveen RC, Heiss G. ***The Association Of Mid-life Cumulative Exposure To Systolic Blood Pressure, Myocardial Oxygen Demand, And Hypertension With Later-life Central Arterial Stiffness And Its 5-year Change: The Atherosclerosis Risk In Communities Study - Neurocognitive Study (ARIC-NCS).*** *AHA EPI/Lifestyle Conference 2021.*

Zimmerman SC, Swinnerton K, Calmasini C, Power MC, Filshstein T, Ackley SF, Mehrotra ML, **Wei J**, Gianattasio KZ, Gold AL, Glymour MM. ***A Simulator to Inform Alzheimer's Disease and Dementia Trial Design.*** *SER's 2020 Annual Meeting.*

Power MC, Bennett EE, Glymour MM, Gianattasio KZ, Couper D, Mosley TH, Gottesman RF, Griswold ME, **Wei J**, Mehrotra M, Stuart EA. *Assessing the generalizability of findings from the Alzheimer's Disease Neuroimaging Initiative to the Atherosclerosis Risk in Communities Study cohort*. 2020 Alzheimer's Association International Conference.

Bennett EE, Xu X, Park ES, Ying Q, **Wei J**, Smith R, Stewart J, Whitsel EA, Power MC. *Predictors of Residential Location Change in the ARIC Study*. 32nd Annual Conference of the International Society for Environmental Epidemiology.

Gianattasio KZ, Bennett EE, **Wei J**, Mehrotra ML, Glymour MM, Mosley T, Gottesman R, Stuart E, Griswold M, Couper D, Power MC. *When are representative samples necessary for generalizability? A comparison between ADNI and ARIC*. Alzheimer's Association International Conference 2020.

Galaviz KI, Weber MB, Gujral U, **Wei J**, Suvada K, Haw JS, Narayan KMV, Ali MK. *Do diabetes prevention treatments promote regression to normal glucose regulation? A network meta-analysis*. American Diabetes Association Meeting 2020.

Palta P, **Wei J**, Wu A, Meyer ML, Sharret AR, Tanaka H, Knopman D, Kucharska-Newton A, Hughes T, Matsushita K, Mosley TH, Heiss G. *Central Aortic Stiffening in Late-Life and Risk of Dementia: the Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS)*. AHA EPI/Lifestyle Conference 2020

Thomas AG, Kucharska-Newton A, **Wei J**, Palta P, Burgard S, Meyer ML, Stoner L, Tanaka H, Nadruz W, Windham BG, Wagenknecht L, Heiss G. *Longitudinal Association Between Frailty and Arterial Stiffness in Community-dwelling Older Adults: The Atherosclerosis Risk in Communities Study*. AHA EPI/Lifestyle Conference 2020

Almuwaqqat Z, Claxton JS, **Wei J**, Chen LY, Lutsey PL, Norby FL, Soliman EZ, Matsushita K, Heiss G, Alonso A. *Arterial Stiffness and Atrial Fibrillation among Older Adults: The ARIC Cohort*. AHA Scientific Session 2019

Palta P, Qiao Y, **Wei J**, Meyer ML, Tanaka H, Knopman D, Heiss G, Wasserman B. *Aortic Stiffening and Intracranial Atherosclerosis: The Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS)*. AHA EPI/Lifestyle Conference 2019

Shen L, Li C, Wang Z, Zhang R, Shen Y, Miles T, **Wei J**, Zou Z. *Early-Life Exposure to Severe Famine Is Associated with Higher Methylation Level in the IGF2 Gene and Higher Total Cholesterol in Late Adulthood: The Genomic Research of the Chinese Great Famine (GRECF) study*. AHA EPI/Lifestyle Conference 2019

Li C, Wang Z, Shen L, Zhang R, Shen Y, **Wei J**, Zou Z. *Genome-Wide Epigenetic Study of Prenatal Famine Exposure and Blood Lipids in Late Adulthood: The Genomic Research of the Chinese Great Famine (GRECF) Study*. AHA EPI/Lifestyle Conference 2019

Meyer ML, Tanaka H, Palta P, Hughes T, Kucharska-Newton A, **Wei J**, Matsushita K, Folsom AR, Hoogeveen RC, Heiss G. *Baseline and Change in Blood Pressure are Associated with Change in Arterial Stiffness and Pressure Pulsatility in Older Adults: The Atherosclerosis Risk in Communities Study - Neurocognitive Study (ARIC-NCS)*. AHA EPI/Lifestyle Conference 2018

Huang M, Gujral U, He S, Staimez L, Jagannathan R, **Wei J**, Narayan V. *Prognostic Cut-Points of Prediabetic Plasma Glucose and HbA1c Values in Predicting Cardiovascular Disease Morbidity and Mortality: A Systematic Review and Meta-Analysis*. AHA EPI/Lifestyle Conference 2018

Huang M, Gujral U, He S, Staimez L, Jagannathan R, **Wei J**, Narayan V. *Prognostic Cut-Points of Prediabetic Glucose Levels and HbA1c Values in Predicting All-Cause Mortality: A Systematic Review and Meta-Analysis*. American Diabetes Association Meeting 2018

Zhang X, **Wei J**, Lu H, Chandrasekar EK, Wang T. *Metformin Therapy Is Not Associated with Risk of Endometrial Cancer in Diabetic Patients: A Meta-analysis of Cohort and Case-control Studies on 534,755 Subjects*. American Public Health Association Annual Meeting 2017

Palta P, **Wei J**, Meyer ML, Power MC, Deal JA, Jack C, Knopman D, Wright J, Moy C, Griswold M, Tanaka H, Mosley TH, Heiss G. *Arterial stiffness and pressure amplification associated with markers of cerebrovascular microvascular disease in older adults: The Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS)*. AHA EPI/Lifestyle Conference 2016

RESEARCH SUPPORT

Current

The Office for the Study of Aging at Arnold School of Public Health
Addressing Cognitive Outcomes through Depressive Symptoms among U.S. Older Adults

12/01/2021-11/30/2022

Role: PI

Carolina Center of Alzheimer's Disease and Minority Research Pilot Research
Racial Disparity of Dementia Risk Factors, Health Insurance Coverage, and Prevention of Dementia

09/01/2022-06/30/2023

Role: PI

The Big Data Health Science Center Pilot Proposal
Incidence and Outcomes of a Cholinesterase Inhibitor-Anticholinergic Prescribing Cascade in Older Adults

08/15/2022-08/14/2023

Role: Co-I (PI: Yunusa)

CDC

SIP 22-006: Dementia Risk Reduction Research Network - Collaborating Center (6 U48DP006401-04-01)

09/30/2022-09/29/2024

Role: Co-I (PI: Wilcox & Yang)

Pending

NIH/NIA R01

Emulating Long-Term Physical Activity and Multidomain Intervention on Prevention of Cognitive Decline and Alzheimer's Disease and Related Dementias

Role: PI

NIH/NIA R21

Understanding Sex Differences in Risk Factors and ADRD: The Role of HIV Status and Race

Role: Co-I (PI: Brown)

NIH/NIA R01

Periodontal Treatment and the Risk of Alzheimer's Disease

Role: Co-I (PI: Merchant)

Completed

R01ES029509, NIH/NIEHS

Power (PI)

09/01/19-08/15/21

Air Pollution, Alzheimer's Disease And Related Outcomes

Role: Postdoctoral trainee

R01AG057869, NIH/NIA

Glymour & Power (PI)

09/01/19-08/15/21

Closing The Gap Between Observational Research And Randomized Trials For Prevention Of Alzheimer's Disease And Dementia

Role: Postdoctoral trainee

R01AG053938, NIH/NIA

Heiss (PI)

09/15/16-07/30/19

Changes In Arterial Stiffness, Cognition And Dementia Risk In A Diverse Cohort

Role: Predoctoral trainee

HHSN268201700005I, NIH/NHLBI

Heiss (PI)

11/15/16-07/30/19

Atherosclerosis Risk in Community (ARIC) Study - Field Center

Role: Predoctoral trainee

SERVICE

Associate Editor

Frontiers in Epidemiology

Guest Editor

Special Issue "Cardiovascular Health and Cognitive Aging", Frontiers in Epidemiology

Ad-hoc Reviewer

Acta Psychiatria

Advances in Nutrition

Alzheimer's and Dementia

American Public Health Association Annual Meeting

American Journal of Hypertension

American Journal of Preventive Medicine

Annals of Internal Medicine

Aging and Mental Health

Annals of Epidemiology

Arteriosclerosis, Thrombosis, and Vascular Biology

BMC Health Service Research

BMC Geriatrics

BMJ Open

Brain and Behavior

British Journal of Nutrition

Circulation: Cardiovascular Quality and Outcomes

Current Developments in Nutrition

Diabetes, Obesity and Metabolism

European Journal of Nutrition

Home Health Care Services Quarterly

INQUIRY

International Journal of Environmental Research and Public Health

International Journal of Geriatric Psychiatry

International Journal of Methods in Psychiatric Research

International Journal of Molecular Sciences

International Journal of Public Health

International Journal for Vitamin and Nutrition Research

Journal of Affective Disorders

Journal of Alzheimer's Disease

Journal of American Heart Association

Journal of Epidemiology & Community Health

Journal of Gerontology: Biological Sciences

Journal of Gerontology: Medical Sciences

Journal of Occupational and Environmental Medicine

Journal of Physical Activity & Health

Journal of Science and Medicine in Sport

The Lancet Regional Health - Western Pacific

Lipids

Nature Communications

Nutrients

Obesity

OncoTargets and Therapy

Pediatric Research

PeerJ

PLoS ONE

Postgraduate Medical Journal

Stress and Health

Value in Health

Women and Aging

Other service

- 2022- Coordinator, monthly seminar, Department of Epidemiology and Biostatistics, Arnold School of Public Health, University of South Carolina
- 2022- Member, Search committee of Epidemiology, Department of Epidemiology and Biostatistics, Arnold School of Public Health, University of South Carolina
- 2022- Member, Exam committee of Epidemiology, Department of Epidemiology and Biostatistics, Arnold School of Public Health, University of South Carolina
- 2022- Member, Admission committee of Epidemiology, Department of Epidemiology and Biostatistics, Arnold School of Public Health, University of South Carolina
- 2020-2021 Student Engagement Subcommittee, GW Institute for Brain Health and Dementia
- 2022- Physical Activity Committee of the Council on Lifestyle and Cardiometabolic Health, American Heart Association

TEACHING

2022 Fall **Course instructor:** EPID 800, -- Advanced Methodological Theory in Epidemiology. University of South Carolina

Course instructor: EPID 845B, 2022 Spring--Doctoral seminar: contemporary issues and novel methodological approaches in the field of epidemiology. University of South Carolina

Course instructor: PUBH 6299.14--Epidemiology of Cardiovascular Diseases, 2020 Summer, 2021 Summer. George Washington University.

Guest lecture: PUBH 3131--Epidemiology: Measuring Health and Disease, 2020 Fall, 2021 Spring. George Washington University

Guest lecture: PUBH 5399--Epidemiology Capstone, 2021 Spring. Baylor University.

Guest lecture: PUBH 6003--Principles and Practices of Epidemiology, 2019 Fall, 2020 Spring. George Washington University

Graduate teaching assistant: EPID 600--Principles of Epidemiology for Public Health (Online), 2018 Fall. University of North Carolina at Chapel Hill.

MENTORING

Dissertation Committee Member

2021 Danielle Brown

Undergraduate Thesis Advisor

2022 Yichi Zhang (Nanjing Medical University)

HONORS & AWARDS

Delta Omega Honorary Public Health Society, 2022

Travel scholarship, 3rd Workshop on Research Definitions for Reserve and Resilience in Cognitive Aging and Dementia, 2021

2020 MCI Symposium Young Investigator Travel Scholarship, 14th Annual MCI Symposium, 2020

Travel scholarship, 1st Workshop on Research Definitions for Reserve and Resilience in Cognitive Aging and Dementia, 2019

CVD Epidemiology Travel Award, UNC Epidemiology Program, 2019

Best of AHA Specialty Conference (EPI/LIFESTYLE), American Heart Association, 2018

Travel fellowship, China Health Policy and Management Society 2nd Biennial Conference, 2018

CVD Epidemiology Travel Award, UNC Epidemiology Program, 2018

Honorable mention, Laurence G. Branch Doctoral Student Research Award, American Public Health Association, 2017

CVD Epidemiology Travel Award, UNC Epidemiology Program, 2017

Best of AHA Specialty Conference (EPI/NPAM), American Heart Association, 2014

MEMBERSHIP IN SCIENTIFIC/PROFESSIONAL ORGANIZATIONS

American Heart Association/American Stroke Association

American Public Health Association

American Society of Nutrition

The Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment