

Curriculum Vitae

Date Prepared: October 9, 2025
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Education

Year	Degree (Honors)	Field of Study (Thesis advisor for PhDs)	Institution
2014	BS	Biomedical Engineering	Georgia Institute of Technology
2016	MPH	Epidemiology and Biostatistics	Boston University School of Public Health
2022	PhD	Epidemiology; Minor: Biostatistics (Advisor: Lin Yee Chen, MD, MS; Co-advisor: Pamela Lutsey, PhD, MPH)	University of Minnesota School of Public Health

Postdoctoral Training

Year(s)	Titles	Specialty/Discipline (Lab PI for postdoc fellows)	Institution
2022-2025	Postdoctoral Fellow	Cardiovascular Disease Epidemiology and Prevention	University of Minnesota School of Public Health

Faculty Academic Appointments

Year(s)	Academic Title	Department	Academic Institution
2025-Present	Assistant Professor (Tenure Track)	Epidemiology	O'Donnell School of Public Health, UT Southwestern Medical Center
2025-Present	Assistant Professor (Secondary Appointment)	Internal Medicine	School of Medicine, UT Southwestern Medical Center

Other Professional Positions

Year(s)	Position Title	Institution
2012-2013	Research Assistant, Applied Physiology, Biomechanics & Motor Control Lab	Georgia Institute of Technology
2014-2015	Study Coordinator Assistant, Rheumatology Department	Boston University School of Medicine
2015-2016	Epidemiologist Intern, Prevention and Wellness Trust Fund	Massachusetts Department of Public Health
2015-2016	Financial Management Intern, Medical Oncology Department	Dana Farber Cancer Institute

2016-2018	Clinical Data Analyst, Cardiovascular Department, Hypertrophic Cardiomyopathy Center	Tufts Medical Center
2018-2022	Graduate Research Assistant, Division of Epidemiology and Community Health	University of Minnesota School of Public Health
2018-2022	Graduate Research Assistant, Cardiovascular Division	University of Minnesota Department of Medicine

Honors and Awards

Year	Name of Honor/Award	Awarding Organization
2020	Finalist, Jeremiah and Rose Stamler Research Award for New Investigators	American Heart Association's Council on Epidemiology and Prevention
2022	Lester Breslow Scholar Award	University of Minnesota School of Public Health
2022	Finalist, Jeremiah and Rose Stamler Research Award for New Investigators	American Heart Association's Council on Epidemiology and Prevention
2024	Winner, Jeremiah and Rose Stamler Research Award for New Investigators	American Heart Association's Council on Epidemiology and Prevention
2024	Finalist, Elizabeth Barrett-Connor Research Award for Early Career Investigators in Training	American Heart Association's Council on Epidemiology and Prevention

Professional Societies

Dates	Society Name, member
2019-Present	American Heart Association, member
2018-2019	Society of Epidemiologic Research, member
2021-2022	Heart Rhythm Society, member

Educational Activities

1. Teaching

Date	Course Name, Rotation or Session Topic	Role	Number of Instruction hours	Primary Learner Audience (number)	Department or Organization
Fall 2012 Spring 2013	Problems in Biomedical Engineering II	Teaching Assistant	3	Undergraduate Students	Georgia Institute of Technology
Spring 2020	Epidemiologic Methods II	Teaching Assistant	3	MPH Students	University of Minnesota School of Public Health
Spring 2022	Cardiovascular Disease Epidemiology and Prevention	Guest Lecturer	2	MPH/MS/PhD Students	University of Minnesota School of Public Health

Spring 2024	Completing the Integrated Learning Experience: Secondary Data Analysis	Instructor	2	MPH Students	University of Minnesota School of Public Health
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2. Mentoring and Advising

Date	Mentee Name	Mentee Level/ Program and Institution	Role	Mentee Outcomes, Current Position
2025-	Reshma Rajan	MPH student, UT Southwestern	Advisor	
2025-	McKenzie McDaniel	MPH student, UT Southwestern	Advisor	

Editorial Activities

Year(s)	Journal Name
<u>Ad Hoc Reviewer</u>	
2023-	American Heart Journal
2024-	Scientific Reports
2024-	BMC Medicine
2024-	Journal of the American Heart Association
2025-	Journal of Gerontology: Medical Sciences

Grant Support

Past

<i>Grantor:</i> National Institute of General Medical Sciences, NIH
<i>Title of Project:</i> Interdisciplinary Biostatistics Training in Genetics and Genomics (T32GM132063)
<i>Role:</i> Predoctoral Fellow, Principal Investigators: Saonli Basu, Wei Pan
<i>Dates:</i> 09/01/2020-08/31/2021

<i>Grantor:</i> National Heart Lung and Blood Institute, NIH
<i>Title of Project:</i> Cardiovascular Disease Epidemiology and Prevention (T32HL007779)
<i>Role:</i> Postdoctoral Fellow, Principal Investigator: Jim Pankow
<i>Dates:</i> 08/01/2022-01/10/2025

Bibliography

Peer-Reviewed Publications

Original Research Articles

1.	Rastegar H, Boll G, Rowin EJ, Dolan N, Carroll C, Udelson JE, Wang W , Carpino P, Maron BJ, Maron MS, Chen FY. Results of surgical septal myectomy for obstructive hypertrophic cardiomyopathy: the Tufts experience. <i>Annals of Cardiothoracic Surgery</i> , 2017; 6(4):353-363. PMID: 28944176; PMCID: PMC5602194.
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2.	Rowin EJ, Hausvater A, Link MS, Abt P, Gionfriddo W, Wang W , Rastegar H, Estes NAM, Maron MS, Maron BJ. Clinical profile and consequences of atrial fibrillation in hypertrophic cardiomyopathy. <i>Circulation</i> , 2017; 136(25):2420-2436. PMID: 28916640.
3.	Rowin EJ, Maron MS, Chan RH, Hausvater A, Wang W , Rastegar H, Maron BJ. Interaction of adverse disease related pathways in hypertrophic cardiomyopathy. <i>The American Journal of Cardiology</i> , 2017; 120(2):2256-2264. PMID: 29111210.
4.	Rowin EJ, Orfanos A, Estes NAM, Wang W , Link MS, Maron MS, Maron BJ. Occurrence and natural history of clinically silent episodes of atrial fibrillation in hypertrophic cardiomyopathy. <i>The American Journal of Cardiology</i> , 2017; 119(11):1862-1865. PMID: 28395893.
5.	Rowin EJ, Maron BJ, Chokshi A, Kannappan M, Arkun K, Wang W , Rastegar H, Maron MS. Clinical spectrum and management implications of left ventricular outflow obstruction with mild ventricular septal thickness in hypertrophic cardiomyopathy. <i>The American Journal of Cardiology</i> , 2018; 122(8):1409-1420. PMID: 30107902.
6.	Wells S, Rowin EJ, Boll G, Rastegar H, Wang W , Maron MS, Maron BJ. Clinical profile of nonresponders to surgical myectomy with obstructive hypertrophic cardiomyopathy. <i>The American Journal of Medicine</i> , 2018; 131(6):e235-239. PMID: 29353047.
7.	Rowin EJ, Maron BJ, Romashko M, Wang W , Rastegar H, Link MS, Maron MS. Impact of effective management strategies on patients with the most extreme phenotypic expression of hypertrophic cardiomyopathy. <i>The American Journal of Cardiology</i> , 2019; 124(1):113-121. PMID: 31027655.
8.	Boll G, Rowin EJ, Maron BJ, Wang W , Rastegar H, Maron MS. Efficacy of combined cox-maze IV and septal myectomy for the treatment of atrial fibrillation in patients with obstructive hypertrophic cardiomyopathy. <i>The American Journal of Cardiology</i> , 2020; 125(1):120-126. PMID: 31727261.
9.	Folsom AR, Wang W , Parikh R, Lutsey PL, Beckman JD, Cushman M. Hematocrit and incidence of venous thromboembolism. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2020; 4(3):422-428. PMID: 32211576; PMCID: PMC7086464.
10.	Kim J, Wang W , Norby FL, Zhang M, Alonso A, Lutsey PL, Soliman EZ, Wolfson J, Chen LY. Diurnal circadian variations in paroxysmal atrial fibrillation: the Atherosclerosis Risk in Communities (ARIC) Study. <i>Journal of Electrocardiology</i> , 2020; 63:98-103. PMID: 33171399; PMCID: PMC7736503.
11.	Wang W , Norby FL, Rooney MR, Zhang MJ, Bernal AG, Garg P, Soliman EZ, Alonso A, Dudley SC, Lutsey PL, Chen LY. Association of life's simple 7 with atrial fibrillation burden (from the Atherosclerosis Risk in Communities [ARIC] Study). <i>The American Journal of Cardiology</i> , 2020; 137:31-38. PMID: 32998009; PMCID: PMC7704629.
12.	Garg PK, Norby FL, Wang W , Krishnappa D, Soliman EZ, Lutsey PL, Selvin E, Ballantyne CM, Alonso A, Chen LY. Association of longitudinal changes in cardiac biomarkers with atrial and ventricular arrhythmias (from the Atherosclerosis Risk in Communities [ARIC] Study). <i>The American Journal of Cardiology</i> , 2021; 158:45-52. PMID: 34465464; PMCID: PMC8497411.
13.	Krishnappa D, Wang W , Rooney MR, Norby FL, Oldenburg NC, Soliman EZ, Alonso A, O-Uchi J, Dudley SC, Lutsey PL, Chen LY. Life's simple 7 cardiovascular health score and premature atrial contractions: the Atherosclerosis Risk in Communities (ARIC) Study. <i>International Journal of Cardiology</i> , 2021; 332:70-77. PMID: 33675888; PMCID: PMC8164708.
14.	Wang W , Norby FL, Zhang MJ, Reyes JL, Shah AM, Soliman EZ, Lutsey PL, Alonso A, Solomon SD, Inciardi RM, Chen LY. Differences in left atrial size and function and supraventricular ectopy between Black and White participants in the Atherosclerosis Risk in

	Communities (ARIC) Study. <i>Journal of the American Heart Association</i> , 2021; 10(21):e021723. PMID: 34713724; PMCID: PMC8751819.
15.	Wang W , Norby FL, George KM, Alonso A, Mosley TH, Gottesman RF, Meyer ML, Lutsey PL. Association of carotid intima-media thickness and other carotid ultrasound features with incident dementia in the Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS). <i>Journal of the American Heart Association</i> , 2021; 10(9):e020489. PMID: 33870735; PMCID: PMC8200760.
16.	Adam HS, Lakshminarayan K, Wang W , Norby FL, Mosley T, Walker KA, Gottesman RF, Meyer K, Hughes TM, Pankow JS, Wong DF, Jack Jr CR, Sen S, Lutsey PL, Beck J, Demmer RT. The prospective association between periodontal disease and brain imaging outcomes: the Atherosclerosis Risk in Communities Study. <i>Journal of Clinical Periodontology</i> , 2022; 49(4):322-334. PMID: 34905804; PMCID: PMC8934294.
17.	Inciardi RM, Claggett B, Minamisawa M, Shin S-H, Selvaraj S, Gonçalves A, Wang W , Kitzman D, Matsushita K, Prasad NG, Su J, Skali H, Shah AM, Chen LY, Solomon SD. Association of left atrial structure and function with heart failure in older adults. <i>Journal of the American College of Cardiology</i> , 2022; 79(16):1549-1561. PMID: 35450571.
18.	Johansen MC, Wang W , Zhang MJ, Alonso A, Wong DF, Gottesman RF, Chen LY. Associations between atrial arrhythmias and brain amyloid deposition: The ARIC-PET Study. <i>Journal of Alzheimer's Disease</i> , 2022; 86(1):43-48. PMID: 35001894; PMCID: PMC8996481.
19.	Johansen MC, Wang W , Zhang M, Knopman DS, Ndumele C, Mosley TH, Selvin E, Shah AM, Solomon SD, Gottesman RF, Chen LY. The risk of dementia associated with atrial cardiopathy: the Atherosclerosis Risk in Communities (ARIC) Study. <i>Journal of the American Heart Association</i> , 2022; 11(16):e025646. PMID: 35946474; PMCID: PMC9496312.
20.	Parikh RR, Norby FL, Wang W , Thenappan T, Prins K, Van't Hof J, Lutsey PL, Solomon SD, Shah AM, Chen LY. Association of right ventricular afterload with atrial fibrillation risk in older adults: the ARIC Study. <i>Chest</i> , 2022; S0012-3692(22)00899-6. PMID: 35562059; PMCID: PMC9659616.
21.	Wang W , Gottesman RF, Meyer ML, Hughes TM, Sullivan KJ, Wong DF, Lakshminarayan K, Lutsey PL. Carotid intima-media thickness and amyloid- β deposition: the ARIC-PET study. <i>Journal of Alzheimer's Disease</i> , 2022; 88(1):17-22. PMID: 35527548; PMCID: PMC10167843.
22.	Wang W , Norby FL, Alonso A, Gottesman RF, Jack Jr. CR, Meyer ML, Knopman DS, Sullivan KJ, Hughes TM, Lakshminarayan K, Lutsey PL. Association of carotid intima-media thickness with brain MRI markers in the Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS). <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2022; 31(5):106388. PMID: 35193028; PMCID: PMC9018472.
23.	Wang W , Zhang MJ, Inciardi RM, Norby FL, Johansen MC, Parikh R, Van't Hof JR, Alonso A, Soliman EZ, Mosley TH, Gottesman RF, Shah AM, Solomon SD, Chen LY. Association of echocardiographic measures of left atrial function and size with incident dementia. <i>JAMA</i> , 2022; 327(12):1138-1148. PMID: 35315884; PMCID: PMC8941355.
24.	Garg PK, Ji Y, Wang W , Van't Hof J, Decker J, Inciardi RM, Lutsey PL, Alonso A, Shah AM, Solomon S, Selvin E, Chen LY. Association of diabetes and glycemic control with left atrial function: the Atherosclerosis Risk in Communities (ARIC) study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2023; S0939-4753(23)00473-8. PMID: 38161132; PMCID: PMC10947889.
25.	Maheshwari A, Norby FL, Inciardi RM, Wang W , Zhang MJ, Soliman EZ, Alonso A, Johansen MC, Gottesman RF, Solomon SD, Shah AM, Chen LY. Left atrial mechanical dysfunction and the risk of ischemic stroke in people without prevalent atrial fibrillation or stroke: the

	Atherosclerosis Risk in Communities (ARIC) Study. <i>Annals of Internal Medicine</i> , 2023; 176(1):39-48. PMID: 36534978. PMCID: PMC11793084.
26.	Parikh R, Inciardi RM, Wang W , Hegde S, Norby FL, Zhang MJ, Reyes J, Van't Hof J, Alonso A, Shah AM, Solomon SD, Chen LY. Association of physical activity with left atrial function in older adults: the ARIC Study. <i>JACC: Cardiovascular Imaging</i> , 2023; 16(4):566-568. PMID: 36752428; PMCID: PMC10184180.
27.	Giorgio K, Walker RF, MacLehose RF, Herrera DA, Wang W , Alonso A, Zakai NA, Lutsey PL. Venous thromboembolism mortality and trends in older U.S. adults, 2011-2019. <i>American Journal of Hematology</i> , 2023; 98(9):1364-1373. PMID: 37366276; PMCID: PMC10529371.
28.	Reyes JL, Norby FL, Ji Y, Wang W , Parikh R, Zhang MJ, Oldenburg NC, Lutsey PL, Jack Jr CR, Johansen M, Gottesman RF, Coresh J, Mosley T, Soliman EZ, Alonso A, Chen LY. Association of abnormal p-wave parameters with brain MRI morphology: the Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS). <i>Pacing and Clinical Electrophysiology</i> , 2023; 46(8):951-959. PMID: 36924350; PMCID: PMC10440299.
29.	Van't Hof JR, Wang W , Matsushita K, Heiss G, Folsom AR, Widome R, Lutsey PL. Association of smokeless tobacco use with incident peripheral artery disease: results from the Atherosclerotic Risk in Communities Study. <i>American Journal of Preventive Medicine</i> , 2023; 64(5):728-733. PMID: 36682917; PMCID: PMC10121742.
30.	Wang W , Chen LY, Walker RF, Chow LS, Norby FL, Alonso A, Pankow JS, Lutsey PL. SGLT2 inhibitors are associated with reduced cardiovascular disease in patients with type 2 diabetes: an analysis of real-world data. <i>Mayo Clinic Proceedings</i> , 2023; 98(7):985-996. PMID: 37419588; PMCID: PMC10348449.
31.	Zhang MJ, Ji Y, Wang W , Norby FL, Parikh R, Eaton AA, Inciardi RM, Alonso A, Soliman EZ, Mosley TH, Johansen MC, Gottesman RF, Shah AM, Solomon SD, Chen LY. Association of atrial fibrillation with stroke and dementia accounting for left atrial function and size. <i>JACC: Advances</i> , 2023; 2(5):100408. PMID: 37954510; PMCID: PMC10634508.
32.	Inciardi RM, [*] Wang W , [*] Alonso A, Soliman EZ, Selvaraj S, Gonçalves A, Zhang MJ, Chandra A, Prasad NG, Skali H, Shah AM, Solomon SD, Chen LY. Cardiac mechanics and the risk of atrial fibrillation in a community-based cohort of older adults. <i>European Heart Journal: Cardiovascular Imaging</i> , 2024; 25(12):1686-1694. PMID: 38959330; PMCID: PMC12098937.
33.	Ji Y, Zhang MJ, Wang W , Norby FL, Eaton AA, Inciardi RM, Alonso A, Sedaghat S, Ganz P, Van't Hof J, Solomon SD, Chaves PHM, Heckbert SR, Shah AM, Chen LY. Association of coagulation factor XI level with cardiovascular events and cardiac function: the Atherosclerosis Risk in Communities study (ARIC). <i>Circulation</i> , 2024; 151(6):356-367. PMID: 39569504. PMCID: PMC11810597.
34.	Li M, Ji Y, Shen Y, Wang W , Lakshminarayan K, Soliman E, Chen M, Chen LY. Deep terminal negative of the p wave in v1 and incidence of ischemic stroke: the Atherosclerosis Risk in Communities study. <i>Journal of Electrocardiology</i> , 2024; 84:123-128. PMID: 38636124; PMCID: PMC11470811.
35.	Mascarenhas LA, Ji Y, Wang W , Inciardi RM, Parikh R, Eaton A, Cheng S, Alonso A, Matsushita K, Shah AM, Solomon SD, Meyer ML, Chen LY, Zhang MJ. Association of central arterial stiffness with atrial myopathy: the Atherosclerosis Risk in Communities (ARIC) study. <i>Hypertension Research</i> , 2024; 47(10):2902-2913. PMID: 39117948; PMCID: PMC11806432.
36.	Polter EJ, Prizment A, Walker RF, Ryan Z, Wang W , Blaes AH, Lutsey PL. Cardiovascular disease in premenopausal breast cancer survivors treated with hormone therapy and ovarian suppression. <i>JACC: CardioOncology</i> , 2024; 6(6):907-918. PMID: 39801644; PMCID: PMC11711817.

37.	Sun D, Parikh RR, Wang W , Eaton A, Lutsey PL, Windham BG, Inciardi RM, Solomon SD, Ballantyne CM, Shah AM, Chen LY. Association of left atrial function with frailty: the Atherosclerosis Risk in Communities (ARIC) study. <i>Journal of the American Geriatrics Society</i> , 2024; 72(12):3810-3823. PMID: 39268991; PMCID: PMC11637300.
38.	Wang W , Chen LY, Walker RF, Alonso A, Norby FL, Lakshminarayan K, Lutsey PL. Percutaneous left atrial appendage occlusion and risk of stroke, hospitalized bleeding, and death in Medicare beneficiaries. <i>Pharmacoepidemiology and Drug Safety</i> , 2024; 33(4):e5786. PMID: 38565524; PMCID: PMC10996071.
39.	Wang W , Lutsey PL, Inciardi RM, Reyes JL, Mosley TH, Johansen MC, Gottesman RF, Alonso A, Jack, Jr. CR, Solomon SD, Shah AM, Wasserman BA, Chen LY. Association of left atrial function with vascular brain injury: the Atherosclerosis Risk in Communities (ARIC) Study. <i>European Journal of Neurology</i> , 2024; 32(1):e16549. PMID: 39569699; PMCID: PMC11625916.
40.	Wang W ,* Reyes JL,* Oyenuga A, Eaton AA, Norby FL, Parikh R, Inciardi RM, Alonso A, Lutsey PL, Herzog CA, Ishigami J, Matsushita K, Coresh J, Shah AM, Solomon SD, Chen LY. Association of left atrial function with chronic kidney disease in older adults. <i>Mayo Clinic Proceedings: Innovations, Quality & Outcomes</i> , 2024; 8(4):343-355. PMID: 38974529; PMCID: PMC11225621.
41.	Yao Y, Zhang MJ, Wang W , Zhuang Z, He R, Ji Y, Knutson KA, Norby FL, Alonso A, Soliman EZ, Tang W, Pankow JS, Pan W, Chen LY. Multimodal data integration to predict atrial fibrillation. <i>European Heart Journal – Digital Health</i> , 2024; 6(1):126-136. PMID: 39846068; PMCID: PMC11750194.
42.	Chen D, Yao Y, Moser ED, Wang W , Soliman EZ, Mosley TH, Pan W. A novel electrocardiogram-based model for prediction of dementia—the Atherosclerosis Risk in Communities (ARIC) study. <i>Journal of Electrocardiology</i> , 2025; 88:153832. PMID: 39612620; PMCID: PMC11717592.
43.	Masini G, Wang W , Ji Y, Eaton A, Inciardi R, Soliman E, Passman R, Solomon S, Shah A, De Caterina R, Chen LY. Markers of left atrial myopathy: prognostic usefulness for ischemic stroke and dementia in people in sinus rhythm. <i>Stroke</i> , 2025; 56(4):858-867. PMID: 40052267; PMCID: PMC12225736.
44.	Molinsky RL, Lutsey PL, Walker RF, Wang W , Yuzefpolskaya M, Giorgio K, Vock DM, MacLehose R, Colombo PC, Demmer RT. Infection-related hospitalization and incident heart failure in MarketScan: a case-crossover study. <i>Journal of the American Heart Association</i> , 2025; 14(11):e039123. PMID: 40407065; PMCID: PMC12229181.
45.	Johansen MC, Chen J, Walker KA, Wang Z, Wang W , Chen LY, Kalani R, Floyd J, Koton S, Fornage M, Pike JR, Gottesman RF, Coresh J. Proteomics and the risk of incident embolic and thrombotic ischemic stroke in the Atherosclerosis Risk in Communities study. <i>Annals of Neurology</i> , 2025. Epub ahead of print. PMID: 40757626; PMCID: PMC12360425.
46.	Zhang C, Wang W , Inciardi RM, Ji Y, Shelbaya K, Eaton A, Alonso A, Soliman EZ, Solomon SD, Shah AM, Chen LY. Association of left atrial function with mitral regurgitation: the Atherosclerosis Risk in Communities (ARIC) study. <i>Journal of the American Heart Association</i> , 2025; 14(16):e040175. PMID: 40792588.
47.	MacDonald DM, Hong CP, Adabag S, Chen LY, Wang W , Juraschek S, Raju S, Scharack J, Soliman E, Wu HT, Kunisaki KM, Lutsey PL. Two-week heart rate variability measurements and lung health: a cross-sectional analysis in the ARIC Study. <i>Respiratory Medicine</i> , Epub ahead of print. PMID: 40907832; PMCID: PMC12506891.

1.	Wang W , Solomon SD, Chen LY. Echocardiographic measures of left atrial function and size and incident dementia-reply. <i>JAMA</i> , 2022; 328(3):305 PMID: 35852531
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Scientific Conference Presentations

1.	Wang W , Norby FL, Rooney MR, Zhang M, Bernal AG, Soliman EZ, Alonso A, Dudley Jr. SC, Lutsey PL, Chen LY. Association of life's simple 7 with atrial fibrillation burden in the Atherosclerosis Risk in Communities (ARIC) Study. <u>Oral</u> presentation at the Society of Epidemiological Research Annual Meeting, Minneapolis, MN, June 18-21, 2019.
2.	Wang W , Norby FL, George KM, Alonso A, Mosley TH, Gottesman RF, Meyer ML, Lutsey PL. Association of carotid intima-media thickness and other carotid ultrasound features with incident dementia in the Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS). <u>Oral</u> presentation at the American Heart Association's EPI/Lifestyle Annual Meeting, Phoenix, AZ, March 3-6, 2020. *Selected as a finalist for the Jeremiah and Rose Stamler Research Award for New Investigators.
3.	Wang W , Inciardi RM, Norby FL, Zhang MJ, Reyes JL, Shah AM, Soliman EZ, Lutsey PL, Alonso A, Solomon SD, Chen LY. Differences in left atrial size and function and supraventricular arrhythmias in the Atherosclerosis Risk in Communities (ARIC) Study: implications for AF pathogenesis. <u>Poster</u> presentation at the American Heart Association's Scientific Sessions Annual Meeting (Virtual), November 13-17, 2020.
4.	Wang W , Norby FL, Alonso A, Gottesman RF, Jack Jr. CR, Meyer ML, Knopman DS, Sullivan KJ, Hughes TM, Lakshminarayan K, Lutsey PL. Association of carotid intima-media thickness with brain MRI markers in the Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS). <u>Poster</u> presentation at the American Heart Association's EPI/Lifestyle Annual Meeting (Virtual), May 20-21, 2021.
5.	Wang W , Zhang MJ, Inciardi RM, Norby FL, Johansen MC, Parikh R, Shah AM, Alonso A, Soliman EZ, Mosley TH, Gottesman RF, Solomon SD, Chen LY. Association of left atrial function and size with incident dementia in the Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS). <u>Oral</u> presentation at the Heart Rhythm Society Annual Meeting, Boston, MA, July 28-31, 2021.
6.	Wang W , Chen LY, Walker RF, Chow LS, Norby FL, Alonso A, Pankow JS, Lutsey PL. Real-world evidence demonstrating the association of SGLT2 inhibitors with reduced cardiovascular disease in patients with type 2 diabetes. <u>Oral</u> presentation at the American Heart Association's EPI/Lifestyle Annual Meeting, Chicago, IL, March 1-4, 2022. *Selected as a finalist for the Jeremiah and Rose Stamler Research Award for New Investigators.
7.	Wang W , Chen LY, Walker RF, Alonso, A, Norby FL, Lakshminarayan K, Lutsey PL. Percutaneous left atrial appendage occlusion and risk of stroke, hospitalized bleeding, and death in Medicare beneficiaries. <u>Poster</u> presentation at the American Heart Association's EPI/Lifestyle Annual Meeting, Boston, MA, February 28-March 3, 2023. *Also selected for an <u>oral</u> presentation in the NHLBI Trainee session at the American Heart Association's EPI/Lifestyle annual meeting.
8.	Wang W , Chen LY, Walker RF, Alonso, A, Norby FL, Lakshminarayan K, Lutsey PL. Percutaneous left atrial appendage occlusion and risk of stroke, hospitalized bleeding, and death in Medicare beneficiaries. <u>Poster</u> presentation at the International Society of Pharmacoepidemiology's 39 th International Conference on Pharmacoepidemiology and Therapeutic Risk Management, Halifax, Nova Scotia, Canada, August 23-27, 2023.
9.	Wang W , Inciardi RM, Reyes JL, Mosley TH, Johansen MC, Gottesman RF, Alonso A, Lutsey PL, Jack, Jr. CR, Solomon SD, Shah AM, Wasserman BA, Chen LY. Association of left atrial

	function with vascular brain injury: the Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS). <u>Oral</u> presentation at the American Heart Association's Scientific Sessions Annual Meeting, Philadelphia, Pennsylvania, November 11-13, 2023.
10.	Wang W , Kalani R, Zhang MJ, Pankow JS, Lakshminarayan K, Alonso A, Lutsey PL, Longstreth, Jr. WT, Ballantyne CM, Matsushita K, Tin A, Johansen MC, Gottesman RF, Coresh J, Pan W, Walker KA, Heckbert SR, Floyd JS, Chen LY. Plasma proteomics and risk of incident ischemic stroke: meta-analysis of the Atherosclerosis Risk in Communities (ARIC) Study and the Cardiovascular Health Study (CHS). <u>Oral</u> presentation at the American Heart Association's Scientific Sessions Annual Meeting, Philadelphia, Pennsylvania, November 11-13, 2023.
11.	Wang W , Drawz PE, Chen LY, Chow LS, Norby FL, Lutsey PL. Association of SGLT2 inhibitors and other second line therapies with incident chronic kidney disease in patients with type 2 diabetes. <u>Oral</u> presentation at the American Heart Association's EPI/Lifestyle Annual Meeting, Chicago, IL, March 18-21, 2024. *Awarded the Jeremiah and Rose Stamler Research Award for New Investigators.
12.	Wang W , Wanigatunga AA, Etzkorn LH, Rabinowitz JA, Palta P, Pike JR, Dougherty RJ, Zippunnikov V, Marino FR, Crainiceanu C, Spira AP, Schrack JA, Chen LY. Association between circadian rest/activity rhythms and incident dementia in older adults: the Atherosclerosis Risk in Communities (ARIC) Study. <u>Oral</u> presentation at the American Heart Association's Scientific Sessions Annual Meeting, Chicago, IL, November 16-18, 2024. *Selected as a finalist for the Elizabeth Barrett-Connor Research Award for Early Career Investigators in Training.

Co-authored Presentations

1.	Hausvater A, Rowin E, Link M, Abt P, Gionfriddo W, Estes NAM, Wang W , Maron B, Maron M. Atrial fibrillation is associated with low cardiovascular mortality in hypertrophic cardiomyopathy. <u>Poster</u> presentation at the American College of Cardiology Annual Scientific Session and Expo, Washington, DC, March 17-19, 2017.
2.	Van't Hof JR, Wang W , Matsushita K, Widome R, Folsom AR, Lutsey PL. Association of peripheral artery disease with the use of smokeless tobacco, cigars, or pipes in the Atherosclerosis Risk in Communities Study. <u>Poster</u> presentation at the American Heart Association's EPI/Lifestyle Annual Meeting, Houston, TX, March 5-8, 2019.
3.	Kim J, Wolfson JA, Wang W , Rooney MR, Norby FL, Zhang MJ, Alonso A, Lutsey PL, Soliman EZ, Chen LY. Diurnal variation detected in paroxysmal atrial fibrillation. <u>Poster</u> presentation at the American Heart Association's Scientific Sessions Annual Meeting, Philadelphia, PA, November 16-18, 2019.
4.	Krishnappa D, Wang W , Rooney MR, Norby FL, Oldenburg NC, Soliman EZ, Alonso A, Ouchi J, Dudley SC, Lutsey PL, Chen LY. Association of life's simple 7 with premature atrial contractions frequency: the Atherosclerosis Risk in Communities Study. <u>Poster</u> presentation at the American Heart Association's Scientific Sessions Annual Meeting, Philadelphia, PA, November 16-18, 2019.
5.	Krishnappa D, Wang W , Norby FL, Zhang MJ, Kim J, Oldenburg NC, Soliman EZ, Roukoz H, Adkisson WO, Alonso A, Lutsey PL, Chen LY. Association of life's simple 7 with nonsustained ventricular tachycardia: the Atherosclerosis Risk in Communities Study. <u>Poster</u> presentation at the American Heart Association's Scientific Sessions Annual Meeting, Philadelphia, PA, November 16-18, 2019.

6.	Cushman M, Wang W , Parikh R, Lutsey PL, Beckman JD, Folsom AR. Hematocrit and incidence of venous thromboembolism. <u>Poster</u> presentation at the American Society of Hematology Annual Meeting and Exposition, Orlando, FL, December 7-10, 2019.
7.	Decker J, Wang W , Norby FL, Parikh R, Reyes JL, Alonso A, Lutsey PL, Soliman EZ, Ndumele CE, Chen LY. Association of change in body mass index with premature atrial contractions frequency and atrial fibrillation in older age: the Atherosclerosis Risk in Communities (ARIC) Study. <u>Poster</u> presentation at the American Heart Association's Scientific Sessions Annual Meeting (Virtual), November 13-17, 2020.
8.	Parikh RR, Norby FL, Wang W , Thenappan T, Prins KW, Lutsey PL, Solomon S, Shah AM, Chen LY. Association of pulmonary hemodynamics and right ventricular function with incident atrial fibrillation: the Atherosclerosis Risk in Communities (ARIC) Study. <u>Poster</u> presentation at the American Heart Association's Scientific Sessions Annual Meeting (Virtual), November 13-17, 2020.
9.	Reyes JL, Norby FL, Wang W , Parikh R, Oldenburg NC, Lutsey PL, Jack Jr CR, Johansen MC, Gottesman RF, Soliman EZ, Alonso A, Chen LY. Association of abnormal p-wave indices with brain MRI infarcts: the Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS). <u>Poster</u> presentation at the American Heart Association's Scientific Sessions Annual Meeting (Virtual), November 13-17, 2020.
10.	Adam HS, Lakshminarayan K, Wang W , Norby FL, Mosley T, Walker K, Gottesman RF, Meyer K, Hughes TM, Pankow JS, Wong D, Jack C, Sen S, Lutsey PL, Beck JD, Demmer R. Prospective association between periodontal disease and brain imaging markers of cerebrovascular and neurodegenerative disease: the Atherosclerosis Risk in Communities Study. <u>Poster</u> presentation at the American Heart Association's EPI/Lifestyle Annual Meeting (Virtual), May 20-21, 2021.
11.	Parikh R, Inciardi RM, Wang W , Hegde SM, Norby FL, Zhang MJ, Reyes JL, Alonso A, Shah AM, Solomon S, Chen LY. Association of leisure time physical activity (LTPA) with left atrial function in older adults: the Atherosclerosis Risk in Communities (ARIC) Study. <u>Poster</u> presentation at the American Heart Association's EPI/Lifestyle Annual Meeting (Virtual), May 20-21, 2021.
12.	Zhang MJ, Wang W , Inciardi RM, Norby FL, Lutsey PL, Alonso A, Soliman EZ, Matsushita K, Van't Hof J, Oldenburg N, Shah AM, Solomon SD, Chen LY. Refining prediction of the pooled cohort equations with left atrial size and function: the Atherosclerosis Risk in Communities (ARIC) study. <u>Poster</u> presentation at the Heart Rhythm Society Annual Meeting, Boston, MA, July 28-31, 2021.
13.	Zhang MJ, Ji Y, Wang W , Parikh R, Eaton AA, Inciardi RM, Alonso A, Soliman EZ, Mosley TH, Johansen MC, Gottesman RF, Shah AM, Solomon SD, Chen LY. Association of atrial fibrillation with ischemic stroke and dementia are attenuated after accounting for left atrial reservoir function: the Atherosclerosis Risk in Communities (ARIC) Study. <u>Poster</u> presentation at the American College of Cardiology's Annual Scientific Session & Expo, Washington DC, April 2-4, 2022.
14.	Reyes JL, Oyenuga A, Eaton A, Wang W , Parikh R, Inciardi RM, Alonso A, Lutsey PL, Soliman EZ, Herzog C, Ishigami J, Matsushita K, Coresh J, Shah AM, Solomon S, Chen LY. Association of left atrial function with incident chronic kidney disease: the Atherosclerosis Risk in Communities (ARIC) study. <u>Poster</u> presentation at the American Heart Association's Scientific Sessions, Chicago, IL, November 5-7, 2022.
15.	Walker RF, Zakai NA, Maclehose RF, Norby FL, Wang W , Alonso A, Lutsey PL. Differences in urban/rural oral anticoagulation and mortality among people with incident venous

	thromboembolism: Medicare 20% sample 2016-2018. <u>Poster</u> presentation at the American Heart Association's EPI/Lifestyle Annual Meeting, Boston, MA, February 28-March 3, 2023.
16.	Ji Y, Zhang MJ, Wang W , Norby FL, Van't Hof JR, Eaton AA, Alonso A, Solomon S, Shah AM, Chen LY. Association of coagulation factor XI levels with cardiac function and cardiovascular events: the Atherosclerosis Risk in Communities (ARIC) study. <u>Poster</u> presentation at the American Heart Association's Scientific Session, Philadelphia, PA, November 11-13, 2023.
17.	Mascarenhas L, Ji Y, Wang W , Inciardi RM, Parikh RR, Eaton AA, Cheng S, Alonso A, Matsushita K, Shah AM, Solomon SD, Meyer ML, Chen LY, Zhang MJ. Association of central arterial stiffness with atrial myopathy: the Atherosclerosis Risk in Communities (ARIC) study. <u>Poster</u> presentation at the American Heart Association's Scientific Session, Philadelphia, PA, November 11-13, 2023.
18.	Sun D, Parikh R, Wang W , Eaton A, Lutsey PL, Windham BG, Inciardi RM, Solomon S, Shah AM, Chen LY. Association between left atrial function and frailty: the Atherosclerosis Risk in Communities (ARIC) study. <u>Poster</u> presentation at the American Heart Association's Scientific Session, Philadelphia, PA, November 11-13, 2023.
19.	Zhang C, Wang W , Inciardi R, Ji Y, Shelbaya K, Eaton A, Alonso A, Soliman EZ, Solomon S, Shah AM, Chen LY. Association of left atrial function with mitral regurgitation progression: Atherosclerosis Risk in Communities (ARIC) study. <u>Poster</u> presentation at the American Heart Association's Scientific Session, Philadelphia, PA, November 11-13, 2023.
20.	Reyes J, Moser E, Inciardi R, Norby F, Maheshwari A, Wang W , Soliman E, Solomon S, Passman R, Shah A, Chen L. Association of left atrial function with ischemic stroke in people with normal cardiac structure and function and without prevalent atrial fibrillation, stroke, or heart failure: Atherosclerosis Risk in Communities (ARIC) study. <u>Moderated poster</u> presentation at Heart Rhythm Society, Boston, MA, May 16-19, 2024.
21.	MacDonald DM, Hong CP, Adabag S, Chen LY, Wang W , Juraschek S, Raju S, Schrack J, Soliman E, Wu HT, Kunisaki K, Lutsey P. Associations between two week heart rate variability recordings and respiratory health outcomes in the Atherosclerosis Risk in Communities study. <u>Poster</u> presentation at the American Thoracic Society Conference, San Deigo, CA, May 17-22, 2024.
22.	Zhang MJ, Ji Y, Gyberg D, Lin Z, Norby FL, Wang W , Pan W, Van't Hof J, Healy CL, Inciardi RM, Alonso A, Pankow JS, Tang W, Dudley, Jr. SC, Walker KA, Brody JA, Ye T, Bertoni AG, Patel RB, Shah SJ, Shah AM, Solomon SD, Heckbert SR, O'Connell TD, Floyd JS, Chen LY. Reverse translational target nomination identifies DLK1 as a potential protective factor in atrial myopathy. <u>Poster</u> presentation at the International Society for Heart Research North American Section Conference, Long Beach, CA, August 19-23, 2024.
23.	Masini G, Ji Y, Eaton A, Wang W , Inciardi R, Alonso A, Soliman E, Solomon S, Shah A, De Caterina R, Chen L. Left atrial function for predicting atrial fibrillation: a machine learning approach. <u>Poster</u> presentation at the European Society of Cardiology Congress 2024, London, England, August 30-September 2, 2024.
24.	Chen D, Yao Y, Moser E, Wang W , Soliman E, Mosley T, Pan W. A Novel Electrocardiogram-Based Model for Prediction of Dementia—the Atherosclerosis Risk in Communities (ARIC) study. <u>Poster</u> presentation at the European Society of Cardiology Congress 2024, London, England, August 30-September 2, 2024.
25.	Moser E, He R, Wang W , Van't Hof JR, Sun D, Zhang C, Zhang M, Pai N, Ramprasad J, Fu J, Chan L, Solomon S, Shah A, Pan W, Chen L. Differential association of atrial myopathy subtypes with incident atrial fibrillation: the Atherosclerosis Risk in Communities study

	(ARIC). <u>Poster</u> presentation at American Heart Association's Scientific Sessions, Chicago, IL, November 16-18, 2024.
26.	Simpkins A, Norby F, Alotaibi M, Yu B, Zhang M, Wang W , Chen L, Fornage M, Gottesman R, Cheng S. Plasma Eicosanoids Are Associated with Incident Stroke Over Decades in Participants in the Atherosclerosis Risk in Communities (ARIC) Study. <u>Poster</u> presentation at the International Stroke Conference, Los Angeles, CA, February 5-7, 2025.
27.	Norby FL, Walker RF, Wang W , Erickson D, Lutsey PL. The risk of arrhythmias and sudden cardiac arrest associated with methamphetamine, cocaine, opiate, and cannabis use: an analysis of a large healthcare claims database. <u>Oral</u> presentation at the American Heart Association's EPI/Lifestyle Annual Meeting, New Orleans, LA, March 6-9, 2025.
28.	Cannon E, Wang W , Norby FL, Walker RF, Lutsey PL. Semaglutide versus liraglutide and incidence of diabetes and cardiovascular disease: an analysis of real-world data. <u>Poster</u> presentation at the American Heart Association's EPI/Lifestyle Annual Meeting, New Orleans, LA, March 6-9, 2025.
29.	Cannon E, Wang W , Norby FL, Walker RF, Lutsey PL. Semaglutide versus liraglutide and incidence of diabetes and cardiovascular disease: an analysis of real-world data. <u>Poster</u> presentation at the Society for Epidemiologic Research Annual Meeting, Boston, MA, June 10-13, 2025.

Non-peer reviewed scientific or medical publications/materials in print or other media (no abstracts)

1.	Mayo Clinic Proceedings. SGLT2 inhibitors are associated with reduced CV disease in type 2 diabetes, July 2023. https://www.youtube.com/watch?v=OPe9A6JL3og
2.	Medscape Medical News. Left atrial dysfunction linked to future dementia risk, March 2022. https://www.medscape.com/viewarticle/970991
3.	JAMA Author Interview. Examining the association of left atrial function and size with incident dementia, March 2022. https://edhub.ama-assn.org/jn-learning/audio-player/18683073