

CURRICULUM VITAE
9/1/2023

FAYE L NORBY, PHD, MPH

CURRENT POSITIONS

Sep 2023 - Assistant Professor
 Division of Epidemiology and Community Health, University of Minnesota

PROFESSIONAL CONTACT INFORMATION

Division of Epidemiology and Community Health
University of Minnesota
1300 S 2nd St
300 West Bank Office Building
Minneapolis, MN 55454
Phone: 612-626-8597
Email: fnorby@umn.edu

EDUCATION

2004 Bachelor of Science (BS) in Biology
 University of North Dakota

2007 Master of Public Health (MPH)
 Mercer University, College of Health Professions

2010 Master of Science (MS) in Epidemiology
 University of Oklahoma, College of Public Health

2020 Doctor of Philosophy (PhD) in Epidemiology
 University of Minnesota, School of Public Health

PREVIOUS POSITIONS

2000 - 2005 Laboratory Technician, University of North Dakota,
 Department of Physiology, Pharmacology and Therapeutics

2005 - 2007 Health and Safety Director, American Red Cross, Warner Robins, GA

2010 - 2020 Research Fellow / Researcher 6, University of Minnesota School of Public Health

Nov 2020 – Aug 2023 Research Scientist I, Center for Cardiac Arrest Prevention
 Department of Cardiology, Smidt Heart Institute, Cedars-Sinai Medical Center

July 2021 – Aug 2023	Assistant Professor, Research Track Department of Cardiology, Smidt Heart Institute, Cedars-Sinai Medical Center
Jan 2022 – Aug 2023	Adjunct Assistant Professor, Step III David Geffen School of Medicine, UCLA

PROFESSIONAL ACTIVITIES

Other Committee Services:

2018 - 2019	Division Training Committee, University of Minnesota School of Public Health
2019	Society for Epidemiological Research Planning Committee, Minneapolis, MN
June, 2023	NIH study section – Clinical Integrative Cardiovascular and Hematological Sciences (CCHS)

Professional Associations/Society Memberships:

2010 -	American Heart Association
2017 -	Society of Epidemiological Research

Mentoring:

Aug 2021 – Jun, 2023	Ziana Bhanji, BS, Clinical Research Associate I Role = research mentor
Sept 2021 – July 2023	Madison Seifer, BS, Clinical Research Associate I Role = research mentor
June – Aug 2022	Emily Zhang, BS, medical student level, summer intern Role = research mentor
June – Aug 2022	Isabella Cortez, INSPIRE intern, high school graduate level Role = research mentor
October 2022 – Aug 2023	Jonathon Vo, MD, Cardiology Fellow Role = research mentor

Editorial Services:

2010 -	Atherosclerosis Risk in Communities (ARIC) study
2013 -	ARIC-Neurocognitive study
2015 -	American Journal of Cardiology
2016 -	American Journal of Epidemiology
2016 – 2017	College of Graduate Studies (COGs), UMN, Grant reviewer
2019 -	American Heart Association – Epi / Lifestyle Scientific Sessions
2019 -	Society for Epidemiologic Research
2020 -	International Journal of Cardiology Heart & Vasculature
2021 -	BMC Medicine
2021 -	Journal of Electrocardiology
2021 -	Heart
2021 -	Mayo Clinical Proceedings

2022 - Journal of Human Hypertension
2022 - American Heart Journal
2022 - JAMA Cardiology
2022 - JAMA
2022 - European Heart Journal
2022 - Scientific Reports

RESEARCH AWARDS AND GRANTS

Current Grants

September 2022 – July 1, 2027
Sudden Death Associated with Substance Use
1K01HL164764-01
Role: PI
NHLBI
\$141,154 / 5-year grant = \$705,770

Submitted Grants

Submitted February 2021 / Re-submitted October 2021
An Integrated Approach to Prediction & Prevention of Sudden Death In the Young
R01
Role: Co-investigator
NIH

Submitted March 2021
Prevention of Sudden Cardiac Death in Cancer Survivors
Winnick Research Award
Role: PI
Cedars-Sinai Medical Center

Submitted December 2021
Sudden Cardiac Arrest Associated with Substance Abuse
American Heart Association (AHA) Career Development Award
Role: PI
AHA

Past Grants / Awards

2018 - 2018
Access to Medicare data to study the treatment and outcomes of atrial fibrillation in rural areas
J.B. Hawley Research Award, University of Minnesota
Role: PI
Funding: \$2,120

Fellowships

2001 - 2001

Fellowship Award, International Society of Heart Research Fellowship

University of North Dakota

Reward: \$1,000

2000 – 2002

Fellowship Award, North Dakota Experimental Program to

Competitive Research (EPSCoR) Fellowship, University of North Dakota

Reward: \$15,000 (\$7,500/year)

RESEARCH FOCUS AND INTERESTS:

I research and publish manuscripts on the prevention, prediction, and outcomes of cardiac arrhythmias, mainly centered around sudden cardiac arrest and atrial fibrillation. More broadly, I conduct studies in cardiovascular disease epidemiology, often delving into related fields to study adverse outcomes such as stroke and dementia. I also conduct pharmacoepidemiology studies to determine the best treatment approaches and to study drug-drug interactions that result in adverse cardiac outcomes. I conduct my research using data from longitudinal cohort studies, large claims-based populations, and community studies. My K01-funded research focuses on sudden death associated with substance use.

INVITED LECTURES AND PRESENTATIONS

National Presentations

1. **Norby FL**, Wold LE, Ren J. “Influence of IGF-1 supplementation on cardiac excitation-contraction coupling in diabetes.” ND Academy of Sciences Meeting. Bismarck, ND, April 26-27, 2001.
2. **Norby FL**, Chen LY, Soliman EZ, Deal JA, Gottesman RF, Heiss G, Mosley TH, Alonso A. Heart rate variability and its association with cognitive decline over 20 years: The Atherosclerosis Risk in Communities- Neurocognitive (ARIC-NCS) study. AHA EPI/NPAM, Baltimore, MD, March 3-6, 2015.
3. **Norby FL**, Alonso A, Rooney MR, Maheshwari A, Koene RJ, Soliman EZ, Loehr LR, Mosley TH, Coresh J, Chen LY. Association of Nonsustained ventricular tachycardia with dementia and mild cognitive impairment: The Atherosclerosis Risk in Communities (ARIC) study. AHA Scientific Sessions, oral presentation, Chicago, IL, November 11, 2018
4. “Heart Arrhythmias: From Proteomics to Big Data and Associations with Sleep” Presented at Basic and Translational Research in Lung Diseases Conference at the University of Pittsburgh School of Medicine, Division of Pulmonary, Allergy, and Critical Care Medicine. Pittsburgh, PA, February 11, 2020
5. “Novel Insights in Atrial Fibrillation and Arrhythmias” Invited poster professor, American Heart Association Scientific Sessions, Boston, MA, November 13, 2021
6. “Cardiac Arrhythmias and Prevention of Sudden Death”, Division of Epidemiology and Community Health, University of Minnesota, April 20th, 2023
7. “Sudden Death Associated with Substance Use” Heart Rhythm Society Conference, Sudden Cardiac Death: Spotlight on Novel Developments Session, May 19, 2023

TEACHING ACTIVITIES

- 2003-2004 Teaching Assistant, “*Anatomy 201*”
University of North Dakota
- 2005-2007 Sole Instructor, “*Health and Safety Education*”
American Red Cross, Warner Robins, CA
- 2016-2017 Teaching Assistant, “*PubH 6325, SAS Programming*”
University of Minnesota School of Public Health, Graduate Course

Non-Clinical Teaching:

- Dec 2018 “*Pathophysiology of Human Disease*”
PubH6355, University of Minnesota
- Apr 2019 “*Epidemiology of Atrial fibrillation, Venous Thromboembolism, Peripheral Artery Disease, and Abdominal Aortic Aneurysm*”
PubH6386, University of Minnesota
- Apr 2019 “*Meta-analysis*”
Cardiovascular Division, University of Minnesota
- Sept 2021 - Established and leads monthly Journal Club
Center for Cardiac Arrest Prevention, Cedars-Sinai Health System
- Feb 2023 Cedars-Sinai Clinical Scholars Class – NIH and Career Development
Panel Member
- Mar 2023 AHA EPI/Lifestyle conference - Epstein Memorial Lecture and Oral Abstract session
Moderator

MEDIA

- October, 2020 Podcast, “Ten Junk Miles”. Interview with host educating a running-based audience on the current science regarding Covid-19
- December 1, 2022 “Sudden Cardiac Death in Patients with Type 1 Versus Type 2 Diabetes”
<https://www.mayoclinicproceedings.org/video-do/sudden-cardiac-death-patients-type-1-versus-type-2-diabetes>

BIBLIOGRAPHY/PUBLICATIONS

Research Papers – Peer-Reviewed (Published)

(Notes: two different surnames have been used for my professional works; * indicates equal contributions)

1. Wold LE, **Norby FL**, Hintz KK, Colligan PB, Epstein PN, Ren J. Prenatal ethanol exposure alters ventricular myocyte contractile function in the offspring: Influence of maternal Mg²⁺ supplementation. *Cardiovasc Toxicol.* 2001;1(3):215-24. PMID: 12213974
2. Wold LE, Relling DP, Duan J, **Norby FL**, Ren J. Abrogated leptin-induced cardiac contractile response in ventricular myocytes under spontaneous hypertension role of jak/stat pathway. *Hypertension.* 2002 Jan;39(1):69-74. PMID: 11799081
3. Turcotte LA, Aberle II NS, **Norby FL**, Wong GJ, Ren J. Influence of prenatal alcohol exposure on vascular contractile response in rat thoracic aorta. *Alcohol.* 2002 Feb;26(2):75-81. PMID: 12007582
4. Duan J, McFadden GE, Borgerding TJ, **Norby FL**, Ren BH, Ye G, Epstein PN, Ren J. Overexpression of alcohol dehydrogenase exacerbates ethanol-induced cardiac contractile defect in cardiac myocytes. *Am J Physiol Heart Circ Physiol.* 2002 Apr;282(4):H1216-22. PMID: 11893554
5. Hintz KK, **Norby FL**, Duan J, Cinnamon MA, Doze VA, Ren J. Comparison of cardiac excitation-contraction coupling in isolated ventricular myocytes between rat and mouse. *Comp Biochem Physiol A Mol Integr Physiol.* 2002 Sep;133(1):191-8. PMID: 12160885
6. **Norby FL**, Wold LE, Ren J. Anisodamine inhibits cardiac contraction and intracellular calcium transients in isolated adult rat ventricular myocytes. *Eur J Pharmacol.* 2002 Mar 29;439(1-3):21-5. PMID: 11937088
7. **Norby FL**, Wold LE, Ren J. IGF-1 attenuates diabetes-induced cardiac contractile dysfunction in ventricular myocytes. *Am J Physiol Endocrinol Metab.* 2002 Oct;283(4):E658-66. PMID: 12217882.
8. Duan J, Adkins SD, **Norby FL**, Ren BH, Epstein PN, Ren J. Impaired cardiac function and IGF-I response in myocytes from calmodulin-diabetic mice: role of Akt and RhoA. *Am J Physiol Endocrinol Metab.* 2003. Feb;284(2):E366-76. PMID: 12531745
9. Ren J, Roughead ZK, Wold LE, **Norby FL**, Rakoczy S, Mabey RL, Brown-Borg HM. Increases in insulin-like growth factor-1 level and peroxidative damage after gestational ethanol exposure in rats. *Pharmacol Res.* 2003 Apr;47(4):341-7. PMID: 12644392
10. Wold LE, Muralikrishnan D, Albano CB, **Norby FL**, Ebadi M, Ren J. Insulin-like growth factor I (IGF-1) supplementation prevents diabetes-induced alterations in coenzymes Q9 and Q10. *Acta Diabetol.* 2003 Jun;40(2):85-90. PMID: 12861406
11. Zhang X, Klein AL, Alberle NS, **Norby FL**, Ren BH, Duan J, Ren J. Cardiac-specific overexpression of catalase rescues ventricular myocytes from ethanol-induced cardiac contractile defect. *J Mol Cell Cardiol.* 2003 Jun;35(6):645-52. PMID: 12788382
12. **Norby FL**, Aberle NS 2nd, Kajstura J, Anversa P, Ren J. Transgenic overexpression of insulin-like growth factor I prevents streptozotocin-induced cardiac contractile dysfunction and beta-adrenergic response in ventricular myocytes. *J Endocrinol.* 2004 Jan;180(1):175-82. PMID: 14709156
13. Duan J, Esberg LB, Dai S, Aberle NS, **Lopez FL**, Ren J. Comparison of cardiac contractile and intracellular Ca²⁺ response between estrogen and phytoestrogen alpha-zearalanol in ventricular myocytes. *Endocrine.* 2004 Jun;24(1):33-8.
14. Anderson CM, **Lopez F**, Zhang HY, Pavlish K, Benoit JN. Reduced uteroplacental perfusion alters uterine arcuate artery function in the pregnant Sprague-Dawley rat. *Biol Reprod.* 2005 Mar;72(3):762-6.

15. Anderson CM, **Lopez F**, Zhang HY, Pavlish K, Benoit JN. Characterization of changes in leptin and leptin receptors in a rat model of preeclampsia. *Am J Obstet Gynecol.* 2005 Jul;193(1):267-72.
16. Anderson CM, **Lopez F**, Zimmer A, Benoit JN. Placental insufficiency leads to developmental hypertension and mesenteric artery dysfunction in two generations of Sprague-Dawley rat offspring. *Biol Reprod.* 2006 Mar;74(3):538-44.
17. Dong F, Fang CX, Yang X, Zhang X, **Lopez FL**, Ren J. Cardiac overexpression of catalase rescues cardiac contractile dysfunction induced by insulin resistance: Role of oxidative stress, protein carbonyl formation and insulin sensitivity. *Diabetologia.* 2006 Jun;49(6):1421-33.
18. Anderson CM, **Lopez F**, Zhang HY, Shirasawa Y, Pavlish K, Benoit JN.. Mesenteric vascular responsiveness in a rat model of pregnancy-induced hypertension. *Exp Biol Med (Maywood).* 2006 Sep;231(8):1398-402.
19. **Lopez F**, Rimando M, Khapekar H. A Needs Assessment of Hypertension in Georgia. *J GPHA.* 2006 1(2): 4-9.
20. Li Q, Wu S, Li SY, **Lopez FL**, Du M, Kajstura J, Anversa P, Ren J. Cardiac Specific Overexpression of Insulin-Like Growth Factor-1 (IGF-1) Attenuates Aging-Associated Cardiac Diastolic Contractile Dysfunction and Protein Damage. *Am J Physiol Heart Circ Physiol.* 2007 Mar;292(3):H1398-403.
21. Turdi S, Li Q, **Lopez FL**, Ren J. Catalase alleviates cardiomyocyte dysfunction in diabetes: role of Akt, Forkhead transcription factor and silent information regulator 2. *Life Sci.* 2007 Aug 23;81(11):895-905.
22. Anderson CM, **Lopez F**, Sandeen A, Johnson L. Placental insufficiency: programming of leptin secretion, blood pressure, and postnatal growth in two generations of sprague-dawley rats. *Biol Res Nurs.* 2009 Jan; 10(3)284-91.
23. Zhang B, Turdi S, Li Q, **Lopez FL**, Eason AR, Anversa P, Ren J. Cardiac overexpression of insulin-like growth factor 1 attenuates chronic alcohol intake-induced myocardial contractile dysfunction but not hypertrophy: Roles of Akt, mTOR, GSK3beta and PTEN. *Free Radic Biol Med.* 2010. Oct 15; 49(7):1238-53.
24. Magnani JW, **Lopez FL**, Soliman EZ, Maclehose RF, Crow RS, Alonso A. P wave indices, obesity and the metabolic syndrome: the Atherosclerosis Risk in Communities Study. *Obesity.* 2011. Mar;20(3):666-72.
25. Huxley RR, **Lopez FL**, Folsom AR, Agarwal SK, Loehr LR, Soliman EZ, Maclehose R, Konety S, Alonso A. Absolute and attributable risks of atrial fibrillation in relation to optimal and borderline risk factors: the Atherosclerosis Risk in Communities (ARIC) Study. *Circulation.* 2011. Apr 12; 123(14):1501-8.
26. Alonso A, **Lopez FL**, Matsushita K, Loehr LR, Agarwal SK, Chen LY, Soliman EZ, Astor BC, Coresh J. Chronic kidney disease is associated with the incidence of atrial fibrillation: the Atherosclerosis Risk in Communities (ARIC) study. *Circulation.* 2011. Jun 28;123(5): 2946-53.
27. Huxley RR, Alonso A, **Lopez FL**, Filion KB, Agarwal SK, Loehr LR, Soliman EZ, Pankow JS, Selvin E. Type 2 diabetes, glucose homeostasis and incident atrial fibrillation: the Atherosclerosis Risk in Communities study. *Heart.* 2012. Jan;98(2):133-8.
28. Hermida J, **Lopez FL**, Montes R, Matsushita K, Astor BC, Alonso A. Usefulness of high-sensitivity C-reactive protein to predict mortality in patients with atrial fibrillation: the ARIC study. *Am J Cardiol.* 2012. Jan 1;109(1):95-9.
29. **Lopez FL**, Agarwal SK, Maclehose RF, Soliman EZ, Sharrett AR, Huxley RR, Konety S, Ballantyne CM, Alonso A. Blood lipid levels, lipid lowering medication, and the incidence of atrial fibrillation: the Atherosclerosis Risk in Communities (ARIC) study. *Circ Arrhythm Electrophysiol.* 2012. Feb1;5(1):155-62. PMID: 22227953
30. Misialek JR, **Lopez FL**, Lutsey PL, Huxley RR, Peacock JM, Chen L, Soliman EZ, Agarwal SK, Alonso A. Serum and dietary magnesium and the incidence of atrial fibrillation in whites and

- African-Americans: The Atherosclerosis Risk in Communities (ARIC) study. *Circ J*. 2013;77(2):323-9.
31. Chen LY, Sotoodehnia N, Buzhova P, **Lopez FL**, Yee LM, Heckbert SR, Prineas R, Soliman EZ, Adabag AS, Konety S, Folsom AR, Siscovick D, Alonso A. Atrial fibrillation and the risk of sudden cardiac death: the Atherosclerosis Risk in Communities (ARIC) study and Cardiovascular Health Study (CHS). *JAMA Intern Med*. 2013 Jan 14;173(1):29-35.
 32. **Lopez FL**, Agarwal SK, Grams ME, Loehr LR, Soliman EZ, Lutsey PL, Chen L, Huxley RR, Alonso A. Serum phosphorus levels and the incidence of atrial fibrillation: The Atherosclerosis Risk in Communities (ARIC) study. *Am J Cardiol*. 2013 Mar 14; 111(6):857-62. PMID: 23273530
 33. Huxley RR, **Lopez FL**, Macle hose RF, Eckfeldt JH, Couper D, Leindecker-Foster C, Hoogeveen RC, Chen LY, Soliman EZ, Agarwal SK, Alonso A, Novel Association between plasma matrix metalloproteinase-9 and risk of incident atrial fibrillation in a case-cohort study: the Atherosclerosis Risk in Communities (ARIC) study. *PLoS One*. 2013;8(3):e59052.
 34. Rosenberg MA, **Lopez FL**, Buzkova P, Adabag AS, Chen LY, Sotoodehnia N, Kronmal RA, Siscovick DS, Alonso A, Buxton A, Folsom AR, Mukamal KJ. Height and risk of sudden cardiac death: the Atherosclerosis Risk in Communities and Cardiovascular Health Studies. *Ann Epidemiol*. 2014 Mar;24(3):174-179.
 35. Lawani SO, Demerath EW, **Lopez FL**, Soliman EZ, Huxley RR, Rose KM, Alonso A. Birth weight and the risk of atrial fibrillation in whites and African Americans: the Atherosclerosis Risk in Communities (ARIC) study. *BMC Cardiovasc Disord*. May26;14:69. 2014
 36. Misialek JR, Rose KM, Everson-Rose SA, Soliman EZ, Clark CJ, **Lopez FL**, Alonso A. Socioeconomic status and the incidence of atrial fibrillation in whites and African-Americans: the Atherosclerosis Risk in Communities (ARIC) cohort study. *J AM Heart Assoc*. Aug20;3(4), 2014.
 37. Chen LY, **Lopez FL**, Gottsman RF, Huxley RR, Agarwal SK, Loehr L, Mosley T, Alonso A. Atrial fibrillation and cognitive decline-the role of subclinical cerebral infarcts: the Atherosclerosis Risk in Communities (ARIC) study. *Stroke*. Sep;45(9):2568-74. 2014.
 38. Alonso A, Jensen PN, **Lopez FL**, Chen LY, Psaty BM, Folsom AR, Heckbert S. Association of sick sinus syndrome with incident cardiovascular disease and mortality: the Atherosclerosis Risk in Communities study and Cardiovascular Health Study. *PLoS One*. Oct6;9(10), 2014. PMID: 25285853
 39. Miedema MD, **Lopez FL**, Blaha M, Virani S, Coresh J, Ballantyne C, Folsom AR. Eligibility for Statin Therapy According to New ACC/AHA Cholesterol Guidelines and Prevalence of Lipid-Lowering Medication Use in an Older US Cohort: The Atherosclerosis Risk in Communities Study. *JAMA-IM*, 2015, Jan;175(1):138-40.
 40. Bekwelem W, Misialek JR, Konety S, Solomon S, Soliman EZ, Loehr L, **Lopez FL**, Fox ER, Mosley TH, Alonso A. Echocardiographic measures of cardiac structure and function are associated with the risk of atrial fibrillation in Blacks: the Atherosclerosis Risk in Communities (ARIC) study. *PLoS One*, Oct16;9(10), 2014. PMID: 25330035
 41. Adabag S, Huxley RR, **Lopez FL**, Chen LY, Sotoodehnia N, Siscovick D, Deo R, Konety S, Alonso A, Folsom AR. Obesity-related risk of sudden cardiac death in the Atherosclerosis Risk in Communities study. *Heart*. 2015 Feb;101(3):215-21
 42. Magnani JW, Zhu L, **Lopez FL**, Pencina MJ, Agarwal SK, Soliman EZ, Benjamin EJ, Alonso A. P-wave Indices and Atrial Fibrillation: Cross-Cohort Assessments from the Framingham Heart Study and Atherosclerosis Risk in Communities Study. *Am Heart J*, 2015 Jan;169(1):53-6. PMID: 25497248
 43. Okwuosa TM, Soliman EZ, **Lopez FL**, Williams KA, Alonso A, Ferdinand KC. Left ventricular hypertrophy and cardiovascular disease risk prediction in blacks and whites: the ARIC study. *Am. Heart J*. 2015 Jan;169(1):155-61.

44. Soliman EZ, **Lopez FL**, O'Neal WT, Chen LY, Bengston L, Zhang ZM, Loehr L, Cushman M, Alonso A. Atrial Fibrillation and risk of ST-segment elevation versus non-ST segment elevation myocardial infarction: the Atherosclerosis Risk in Communities Study. *Circulation*. 2015 May 26;131(21):1843-50. PMID: 25918127
45. Misialek JR, Bekwelem W, Chen LY, Agarwal SK, Soliman EZ, **Norby FL**, Alonso A. Association of white blood cell count and differential with the incidence of atrial fibrillation: the Atherosclerosis Risk in Communities (ARIC) study. *PLoS One*, 2015, Aug 27;10(8). PMID: 26313365
46. Miedema MD, **Lopez FL**, Blaha M, Virani S, Coresh J, Ballantyne C, Folsom AR. Implications of the Eighth Joint National Committee Guidelines for the Treatment of High Blood Pressure for Older Adults: The Atherosclerosis Risk in Communities Study. *Hypertension*. 2015 Sep;66(3):474-80
47. Kwon Y, **Norby FL**, Jensen PN, Soliman EZ, Lip G, Longstreth WT, Alonso A, Heckbert SR, Chen LY. Association of Obesity, Smoking and Alcohol Consumption with Ischemic Stroke in Atrial Fibrillation: The ARIC Study. *Plos One*. 2016 Jan 12;11(1)
48. Chen LY, Agarwal SK, **Norby FL**, Gottesman RF, Loehr L, Mosley T, Soliman EZ, Mosley TH, Folsom AR, Coresh J, Alonso A. Persistent but not Paroxysmal Atrial Fibrillation is Independently Associated with Lower Cognitive Function: The Atherosclerosis Risk in Communities (ARIC) Study. *J Am Coll Cardiol*. 2016 Mar 22;67(11):1379-80
49. **Norby FL**, Eyrd SA, Niemeijer MN, Rose LM. et al. Association of Lipid-related Genetic Variants with the Incidence of Atrial Fibrillation: the AFGen Consortium. *PLoS One*. 2016 Mar 21;11(3). PMID: 26999784
50. Alonso A, **Norby FL**. Predicting atrial fibrillation and its complications. *Circ J*. 2016 Apr 25;80(5):1061-6
51. Chen LY, Leening MJG, **Norby FL**, Roetker NS, Hofman A, Franco OH, Pan W, Polak JF, Wittelman JCM, Kronmal RA, Folsom AR, Stricker BH, Heckbert SR, Alonso A. Carotid Intima-Media Thickness and Arterial Stiffness and the Risk of Atrial Fibrillation: The Atherosclerosis Risk in Communities (ARIC) Study, Multi-Ethnic Study of Atherosclerosis (MESA), and the Rotterdam Study. *J Am Heart Assoc*. 2016 May 20;5(5). PMID: 27207996
52. Bekwelem W, Jensen PN, **Norby FL**, Soliman EZ, Agarwal SK, Lip GY, Pan W, Folsom AR, Longstreth WT Jr, Alonso A, Heckbert SR, Chen LY. Carotid Atherosclerosis and Stroke in Atrial Fibrillation: The Atherosclerosis Risk in Communities Study. *Stroke*. 2016 Jun;47(6):1643-6. PMID: 27217511
53. Lutsey PL, **Norby FL**, Gottesman RF, Mosley T, MacLehose RF, Punjabi NM, Shahar E, Jack CR Jr, Alonso A. Sleep Apnea, Sleep Duration and Brain MRI Markers of Cerebral Vascular Disease and Alzheimer's Disease: The Atherosclerosis Risk in Communities Study (ARIC). *PLoS One*. 2016 Jul 14;11(7):e0158758.
54. Magnani JW, **Norby FL**, Agarwal SK, Soliman EZ, Chen LY, Loehr LR, Alonso A. Racial Differences in Atrial Fibrillation-Related Cardiovascular Disease and Mortality: The Atherosclerosis Risk in Communities (ARIC) Study. *JAMA Cardiol*. 2016 Jul 1;1(4):433-4. PMID: 27438320
55. Konety SH, Koene RJ, **Norby FL**, Wilsdon T, Alonso A, Siscovick D, Sotoodehnia N, Gottdiener J, Fox ER, Chen LY, Adabag S, Folsom AR. Echocardiographic Predictors of Sudden Cardiac Death: The Atherosclerosis Risk in Communities Study and Cardiovascular Health Study. *Circ Cardiovasc Imaging*. 2016 Aug;9(8)
56. Deo R, **Norby FL**, Katz R, Sotoodehnia N, Adabag S, DeFilippi CR, Kestenbaum B, Chen LY, Heckbert SR, Folsom AR, Kronmal RA, Konety S, Patton KK, Siscovick D, Shlipak MG, Alonso A. Development and Validation of a Sudden Cardiac Death Prediction Model for the General Population. *Circulation*. 2016 Sep 13;134(11):806-16.
57. **Norby FL**, Soliman EZ, Chen LY, Bengtson LG, Loehr LR, Agarwal SK, Alonso A. Trajectories of Cardiovascular Risk Factors and Incidence of Atrial Fibrillation Over a 25-Year Follow-Up:

- The ARIC Study (Atherosclerosis Risk in Communities). *Circulation*. 2016 Aug 23;134(8):599-610. PMID: 27550968
58. Maheshwari A, **Norby FL**, Soliman EZ, Adabag S, Whitsel EA, Alonso A, Chen LY. Low Heart Rate Variability in a 2-Minute Electrocardiogram Recording Is Associated with an Increased Risk of Sudden Cardiac Death in the General Population: The Atherosclerosis Risk in Communities Study. *PLoS One*. 2016 Aug 23;11(8):e0161648. PMID: 27551828
 59. Alonso A, MacLehose RF, Chen LY, Bengtson LG, Chamberlain AM, **Norby FL**, Lutsey PL. Prospective study of oral anticoagulants and risk of liver injury in patients with atrial fibrillation. *Heart*. 2017 Jun;103(11):834-839. doi: 10.1136/heartjnl-2016-310586. Epub 2017 Jan 5. PMID: 28057799
 60. Agarwal SK, **Norby FL**, Whitsel EA, Soliman EZ, Chen LY, Loehr LR, Fuster V, Heiss G, Coresh J, Alonso A. Cardiac Autonomic Dysfunction and Incidence of Atrial Fibrillation: Results From 20 Years Follow-Up. *J Am Coll Cardiol*. 2017 Jan 24;69(3):291-299. PMID: 28104071
 61. Maheshwari A, **Norby FL**, Soliman EZ, Alraies MC, Adabag S, O'Neal WT, Alonso A, Chen LY. Relation of Prolonged P-Wave Duration to Risk of Sudden Cardiac Death in the General Population (from the Atherosclerosis Risk in Communities Study). *Am J Cardiol*. 2017 May 1;119(9):1302-1306. doi: 10.1016/j.amjcard.2017.01.012. PMID: 28267962
 62. Arenas de Larriva AP, **Norby FL**, Chen LY, Soliman EZ, Hoogeveen RC, Arking DE, Loehr LR, Alonso A. Circulating ceruloplasmin, ceruloplasmin-associated genes, and the incidence of atrial fibrillation in the atherosclerosis risk in communities study. *Int J Cardiol*. 2017 Aug 15;241:223-228. doi: 10.1016/j.ijcard.2017.04.005..PMID: 28427851
 63. Maheshwari A, **Norby FL**, Soliman EZ, Koene RJ, Rooney MR, O'Neal WT, Alonso A, Chen LY. Abnormal P-Wave Axis and Ischemic Stroke: The ARIC Study (Atherosclerosis Risk In Communities). *Stroke*. 2017 Aug;48(8):2060-2065. PMID: 28626057
 64. **Norby FL**, Alonso A. Comparative effectiveness of rivaroxaban in the treatment of nonvalvular atrial fibrillation. *J Comp Eff Res*. 2017 Sep;6(6):549-560. PMID: 28737102
 65. Cogswell R, **Norby FL**, Gottesman RF, Chen LY, Solomon S, Alonso A. High prevalence of sub-clinical infarctions by brain MRI in patients with heart failure with preserved ejection fraction: evidence for undiagnosed atrial fibrillation. *Eur J Heart Fail*. 2017 Oct;19(10):1303-1309. doi: 10.1002/ejhf.812. Epub 2017 Jul 24. PMID: 28738140
 66. Alonso A, Knopman DS, Gottesman RF, Soliman EZ, Shah AJ, O'Neal WT, **Norby FL**, Mosley TH, Chen LY. Correlates of Dementia and Mild Cognitive Impairment in Patients With Atrial Fibrillation: The Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS). *J Am Heart Assoc*. 2017 Jul 24;6(7). pii: e006014. doi: 10.1161/JAHA.117.006014. PMID: 28739861
 67. **Norby FL**, Bengtson, LGS, Chen LY, MacLehose RF, Lutsey PL, Chamberlain AM, Rapson, I, Alonso A. Comparative effectiveness of rivaroxaban versus warfarin and dabigatran for the treatment of non-valvular atrial fibrillation. *BMC Cardiovasc Disord*. 2017 Sep 6;17(1):238. doi: 10.1186/s12872-017-0672-5.PMID: 28874129
 68. Fashanu OE, **Norby FL**, Aguilar D, Ballantyne CM, Hoogeveen RC, Chen LY, Soliman EZ, Alonso A, Folsom AR. Galectin-3 and incidence of atrial fibrillation: The Atherosclerosis Risk in Communities (ARIC) study. *Am Heart J*. 2017 Oct;192:19-25. PMID: 28938960
 69. Maheshwari A, **Norby FL**, Soliman EZ, Koene R, Rooney M, O'Neal WT, Alonso A, Chen LY. Refining Prediction of Atrial Fibrillation Risk in the General Population With Analysis of P-Wave Axis (from the Atherosclerosis Risk in Communities Study). *Am J Cardiol*. 2017 Dec 1;120(11):1980-1984..PMID: 2894160.
 70. Koene RJ, **Norby FL**, Maheshwari A, Rooney MR, Soliman EZ, Alonso A, Chen LY. Predictors of sudden cardiac death in atrial fibrillation: The Atherosclerosis Risk in Communities (ARIC) study. *PLoS One*. 2017 Nov 8;12(11):e0187659. PMID: 29117224
 71. Garg PK, **Norby FL**, Polfus LM, Boerwinkle E, Gibbs RA, Grove ML, Folsom AR, Garimella PS, Matsushita K, Hoogeveen RC, Ballantyne CM. Lipoprotein-associated phospholipase A2 and

- risk of incident peripheral arterial disease: Findings from The Atherosclerosis Risk in Communities study (ARIC). *Atherosclerosis*. 2018 Jan;268:12-18. PMID: 29169030
72. Alonso A, MacLehose RF, Chen LY, Bengtson LGS, Chamberlain AM, **Norby FL**, Lutsey PL. Oral anticoagulants and liver injury: the threat of uncontrolled confounding. *Heart*. 2018 Jan;104(1):84. PMID: 29229784
 73. Shah S, **Norby FL**, Datta YH, Lutsey PL, MacLehose RF, Chen LY, Alonso A. Comparative effectiveness of direct oral anticoagulants and warfarin in patients with cancer and atrial fibrillation. *Blood Adv*. 2018 Feb 13;2(3):200-209. PMID: 29378726
 74. Lutsey PL, **Norby FL**, Alonso A, Cushman M, Chen LY, Michos ED, Folsom AR. Atrial fibrillation and venous thromboembolism: evidence of bidirectionality in the Atherosclerosis Risk in Communities Study. *J Thromb Haemost*. 2018 Feb 12. PMID: 29431904
 75. Garg PK, Bartz TM, **Norby FL**, Jorgensen NW, McClelland RL, Ballantyne CM, Chen LY, Gottdiener JS, Greenland P, Hoogeveen R, Jenny NS, Kizer JR, Rosenson RS, Soliman EZ, Cushman M, Alonso A, Heckbert SR. Association of lipoprotein-associated phospholipase A2 and risk of incident atrial fibrillation: Findings from 3 cohorts. *Am Heart J*. 2018 Mar;197:62-69. PMID: 29447785
 76. Chen LY, **Norby FL**, Gottesman RF, Mosley TH, Soliman EZ, Agarwal SK, Loehr LR, Folsom AR, Coresh J, Alonso A. Association of Atrial Fibrillation With Cognitive Decline and Dementia Over 20 Years: The ARIC-NCS (Atherosclerosis Risk in Communities Neurocognitive Study). *J Am Heart Assoc*. 2018 Mar 7;7(6). PMID: 29514809
 77. O'Neal WT, Sandesara PB, Claxton JS, MacLehose RF, Chen LY, Bengtson LGS, Chamberlain AM, **Norby FL**, Lutsey PL, Alonso A. Provider Specialty, Anticoagulation Prescription Patterns, and Stroke Risk in Atrial Fibrillation. *J Am Heart Assoc*. 2018 Mar 10;7(6). PMID: 29525778
 78. Bekwelem W, **Norby FL**, Agarwal SK, Matsushita K, Coresh J, Alonso A, Chen LY. Association of Peripheral Artery Disease With Incident Atrial Fibrillation: The ARIC (Atherosclerosis Risk in Communities) Study. *J Am Heart Assoc*. 2018 Apr 17;7(8). pii: e007452. doi: 10.1161/JAHA.117.007452. PMID: 29666066
 79. Kubota Y, Alonso A, Heckbert SR, **Norby FL**, Folsom AR. Homocysteine and Incident Atrial Fibrillation: The Atherosclerosis Risk in Communities Study and the Multi-Ethnic Study of Atherosclerosis. *Heart Lung Circ*. 2018 Mar 21. pii: S1443-9506(18)30122-7. doi: 10.1016/j.hlc.2018.03.007. [Epub ahead of print] PMID: 29685716
 80. O'Neal WT, Sandesara PB, Claxton JS, MacLehose RF, Chen LY, Bengtson LGS, Chamberlain AM, **Norby FL**, Lutsey PL, Alonso A. Influence of Sociodemographic Factors and Provider Specialty on Anticoagulation Prescription Fill Patterns and Outcomes in Atrial Fibrillation. *Am J Cardiol*. 2018 Aug 1;122(3):388-394. doi: 10.1016/j.amjcard.2018.04.022. Epub 2018 May 1. PMID: 29961563
 81. Mou L, **Norby FL**, Chen LY, O'Neal WT, Lewis TT, Loehr LR, Soliman EZ, Alonso A. Lifetime Risk of Atrial Fibrillation by Race and Socioeconomic Status: ARIC Study (Atherosclerosis Risk in Communities). *Circ Arrhythm Electrophysiol*. 2018 Jul;11(7):e006350. doi: 10.1161/CIRCEP.118.006350. PMID: 30002066
 82. **Norby FL**, Chen LY, Soliman EZ, Gottesman RF, Mosley TH, Alonso A. Association of left ventricular hypertrophy with cognitive decline and dementia risk over 20 years: The Atherosclerosis Risk In Communities-Neurocognitive Study (ARIC-NCS). *Am Heart J*. 2018 Aug 2;204:58-67. doi: 10.1016/j.ahj.2018.07.007. [Epub ahead of print] PMID: 30077834
 83. Claxton JS, MacLehose RF, Lutsey PL, **Norby FL**, Chen LY, O'Neal WT, Chamberlain AM, Bengtson LGS, Alonso A. A new model to predict major bleeding in patients with atrial fibrillation using warfarin or direct oral anticoagulants. *PLoS One*. 2018 Sep 10;13(9):e0203599. doi: 10.1371/journal.pone.0203599. PMID: 30199542
 84. O'Neal WT, Claxton JS, Sandesara PB, MacLehose RF, Chen LY, Bengtson LGS, Chamberlain AM, **Norby FL**, Lutsey PL, Alonso A. Provider Specialty, Anticoagulation, and Stroke Risk in

- Patients With Atrial Fibrillation and Cancer. *J Am Coll Cardiol*. 2018 Oct 16;72(16):1913-1922. doi: 10.1016/j.jacc.2018.07.077. PMID: 30309468
85. Lutsey PL, **Norby FL**, Zakai NA, MacLehose RF, Chen LY, Shah S, Datta YH, Alonso A. Oral anticoagulation therapy and subsequent risk of venous thromboembolism in atrial fibrillation patients. *Curr Med Res Opin*. 2018 Oct 26:1-20. doi: 10.1080/03007995.2018.1541445. [Epub ahead of print] PMID: 30362847
 86. Wang S, Fashanu OE, Zhao D, Guallar E, Gottesman RF, Schneider ALC, McEvoy JW, **Norby FL**, Aladin AI, Alonso A, Michos ED. Relation of Elevated Resting Heart Rate in Mid-Life to Cognitive Decline Over 20-years (from the Atherosclerosis Risk in Communities [ARIC] Study). *Am J Cardiol*. 2019 Jan 15;123(2):334-340. doi: 10.1016/j.amjcard.2018.10.013. Epub 2018 Oct 21. PMID: 30424869
 87. Kohno R, Detloff BLS, Chen LY, **Norby FL**, Benditt DG. Greater early epinephrine rise with head-up posture: A marker of increased syncope susceptibility in vasovagal fainters. *J Cardiovasc Electrophysiol*. 2019 Mar;30(3):289-296. doi: 10.1111/jce.13792. Epub 2018 Dec 11. PMID: 30431678
 88. Koene RJ, Alraies MC, **Norby FL**, Soliman EZ, Maheshwari A, Lip GYH, Alonso A, Chen LY. Relation of the CHA2DS2-VASc Score to Risk of Thrombotic and Embolic Stroke in Community-Dwelling Individuals without Atrial Fibrillation (From The Atherosclerosis Risk in Communities [ARIC] Study). *Am J Cardiol*. 2019 Feb 1;123(3):402-408. doi:10.1016/j.amjcard.2018.10.037. Epub 2018 Nov 6. PMID: 30527796
 89. Claxton JS, MacLehose RF, Lutsey PL, **Norby FL**, Chen LY, O'Neal WT, Chamberlain AM, Bengtson LGS, Alonso A. A new model to predict ischemic stroke in patients with atrial fibrillation using warfarin or direct oral anticoagulants. *Heart Rhythm*. 2018 Dec 12. pii: S1547-5271(18)31260-8. doi: 10.1016/j.hrthm.2018.12.005. [Epub ahead of print] PMID: 30550837
 90. Chen N, Lutsey PL, MacLehose RF, Claxton J, **Norby FL**, Chamberlain AM, Bengtson LGS, O'Neal WT, Chen LY, Alonso A. Association of Oral Anticoagulant Type with Risk of Dementia among Patients with Non-Valvular Atrial Fibrillation, *J Am Heart Assoc*. 2018 Nov 6;7(21):e009561. doi: 10.1161/JAHA.118.009561. PMID: 30580712
 91. Chen LY, **Norby FL**, Chamberlain AM, MacLehose RF, Bengtson LGS, Lutsey PL, Alonso A. CHA2DS2-VASc Score and Stroke Prediction in Atrial Fibrillation in Whites, Blacks, and Hispanics. *Stroke*. 2018 Nov 29;STROKEAHA118021453. doi: 10.1161/STROKEAHA.118.021453. [Epub ahead of print] PMID: 30580712
 92. Maheshwari A, **Norby FL**, Roetker NS, Soliman EZ, Koene RJ, Rooney MR, O'Neal WT, Shah AM, Claggett BL, Solomon SD, Alonso A, Gottesman RF, Heckbert SR, Chen LY. Refining Prediction of Atrial Fibrillation-Related Stroke Using the P2-CHA2DS2-VASc Score: The Atherosclerosis Risk in Communities (ARIC) Study and Multi-Ethnic Study of Atherosclerosis (MESA). *Circulation*. 2019 Jan 8;139(2):180-191. doi: 10.1161/CIRCULATIONAHA.118.035411. doi:10.1161/CIRCULATIONAHA.118.035411. PMID: 30586710
 93. Arenas de Larriva AP, Alonso A, **Norby FL**, Roetker NS, Folsom AR. Circulating ceruloplasmin, ceruloplasmin-associated genes and the incidence of venous thromboembolism in the Atherosclerosis Risk in Communities study. *J Thromb Haemost*. 2019 May;17(5):818-826. doi: 10.1111/jth.14420. Epub 2019 Mar 18. PMID: 30803124
 94. Shao IY, Power MC, Mosley T, Jack C Jr, Gottesman RF, Chen LY, **Norby FL**, Soliman EZ, Alonso A. Association of Atrial Fibrillation With White Matter Disease. *Stroke*. 2019 Apr;50(4):989-991. doi: 10.1161/STROKEAHA.118.023386. PMID: 30879437
 95. Berman JP, **Norby FL**, Mosley T, Soliman EZ, Gottesman RF, Lutsey PL, Alonso A, Chen LY. Atrial Fibrillation and Brain Magnetic Resonance Imaging Abnormalities. *Stroke*. 2019 Apr;50(4):783-788. doi: 10.1161/STROKEAHA.118.024143. PMID: 30908155
 96. Lutsey PL; Zakai NA; MacLehose RF; **Norby FL**; Walker RF; Roetker NS; Adam T; Alonso A. Risk of Hospitalized Bleeding in Comparisons of Oral Anticoagulant Options for the Primary

- Treatment of Venous Thromboembolism. *Br J Haematol*. 2019 Jun;185(5):903-911. doi: 10.1111/bjh.15857. Epub 2019 Mar 28. PMID: 30919942
97. Almuwaqqat Z, Jokhadar M, **Norby FL**, Lutsey PL, O'Neal WT, Seyerle A, Soliman EZ, Chen LY, Bremner JD, Vaccarino V, Shah AJ, Alonso A. Association of Antidepressant Medication Type With the Incidence of Cardiovascular Disease in the ARIC Study. *J Am Heart Assoc*. 2019 Jun 4;8(11):e012503. doi: 10.1161/JAHA.119.012503. Epub 2019 May 29. PMID: 31140335
 98. George KM, Folsom AR, **Norby FL**, Lutsey PL. No Association Found Between Midlife Seropositivity for Infection and Subsequent Cognitive Decline: The Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS). *J Geriatr Psychiatry Neurol*. 2019 Jun 16:891988719856692. doi: 10.1177/0891988719856692. [Epub ahead of print]. PMID: 31203748
 99. Ogilvie RP, Macle hose RF, Alonso A, **Norby FL**, Lakshminarayan K, Iber C, Chen LY, Lutsey PL. Diagnosed obstructive sleep apnea and risk of cardiovascular disease among patients with atrial fibrillation: Implications of measurement error in the context of administrative data. *Epidemiology*. 2019 Jun 11. doi: 10.1097/EDE.0000000000001049. [Epub ahead of print] PMID: 31205284
 100. O'Neal WT, Alam AA, Sandesara PB, Claxton JS, MacLe hose RF, Chen LY, Bengtson LGS, Chamberlain AM, **Norby FL**, Lutsey PL, Alonso, A. Sex and racial differences in cardiovascular disease risk in patient with atrial fibrillation. *PLoS One*. 2019 Sep 4;14(9):e0222147. doi: 10.1371/journal.pone.0222147. eCollection 2019. PMID: 31483839
 101. Almuwaqqat Z, O'Neal WT, **Norby FL**, Lutsey PL, Selvin E, Soliman EZ, Chen LY, Alonso A. Joint Associations of Obesity and NT-proBNP With the Incidence of Atrial Fibrillation in the ARIC Study. *J Am Heart Assoc*. 2019 Oct;8(19):e013294. doi: 10.1161/JAHA.119.013294. Epub 2019 Sep 28. PMID: 31564186
 102. Rooney MR, Soliman EZ, Lutsey PL, **Norby FL**, Loehr LR, Mosley TH, Zhang M, Gottesman RF, Coresh J, Folsom AR, Alonso A, Chen LY. Prevalence and characteristics of subclinical atrial fibrillation in a community-dwelling elderly population: the Atherosclerosis Risk in Communities (ARIC) study. *Circ Arrhythm Electrophysiol*. 2019 Oct;12(10):e007390. doi: 10.1161/CIRCEP.119.007390. Epub 2019 Oct 14. PMID:31607148
 103. Decker JJ, **Norby FL**, Rooney MR, Soliman EZ, Lutsey PL, Pankow JS, Alonso A, Chen LY. The metabolic syndrome and risk of ischemic stroke in atrial fibrillation: The atherosclerosis risk in communities (ARIC) study. *Stroke*. 2019 Nov;50(11):3045-3050. doi: 10.1161/STROKEAHA.119.025376. Epub 2019 Oct 18. PMID:31623543
 104. Lutsey PL, **Norby FL**, Ensrud KE, MacLe hose RF, Diem SJ, Chen LY, Alonso A. Association of Anticoagulant Therapy With Risk of Fracture Among Patients With Atrial Fibrillation. *JAMA Intern Med*. 2019 Nov 25. doi: 10.1001/jamainternmed.2019.5679. [Epub ahead of print]. PMID: 31764956
 105. Zhang MJ, **Norby FL**, Lutsey PL, Mosley TH, Cogswell RJ, Konety SH, Chao TF, Shah AM, Solomon SD, Alonso A, Chen LY. Association of Left Atrial Enlargement and Atrial Fibrillation With Cognitive Function and Decline: The ARIC-NCS. *J Am Heart Assoc*. 2019 Dec 3;8(23):e013197. doi: 10.1161/JAHA.119.013197. Epub 2019 Nov 26. PMID: 31766970
 106. Gutierrez A, **Norby FL**, Maheshwari A, Rooney MR, Gottesman RF, Mosley TH, Lutsey PL, Oldenburg N, Soliman EZ, Alonso A, Chen LY. Association of Abnormal P-Wave Indices With Dementia and Cognitive Decline Over 25 Years: ARIC-NCS (The Atherosclerosis Risk in Communities Neurocognitive Study). *J Am Heart Assoc*. 2019 Dec 17;8(24):e014553. doi: 10.1161/JAHA.119.014553. PMID: 31830872
 107. Fanola CL*, **Norby FL***, Shah AM, Chang PP, Lutsey PL, Rosamond WD, Cushman M, Folsom AR. Incident Heart Failure and Long-Term Risk for Venous Thromboembolism. *J Am Coll Cardiol*. 2020 Jan 21;75(2):148-158. doi: 10.1016/j.jacc.2019.10.058. PMID: 31948643
 108. Full KM, Lutsey PL, **Norby FL**, Alonso A, Soliman EZ, Rooney MR, Chen LY. Association between excessive daytime sleepiness and measures of supraventricular arrhythmia burden:

- evidence from the Atherosclerosis Risk in Communities (ARIC) study. *Sleep Breath*. 2020 Mar 25. doi: 10.1007/s11325-020-02046-9. Online ahead of print. PMID: 32215831
109. Alonso A, Rooney MR, Chen LY, **Norby FL**, Saenger AK, Soliman EZ, O'Neal WT, Hootman KC, Selvin E, Lutsey PL. Circulating electrolytes and the prevalence of atrial fibrillation and supraventricular ectopy: The Atherosclerosis Risk in Communities (ARIC) study. *Nutr Metab Cardiovasc Dis*. 2020 Mar 27:S0939-4753(20)30092-2. doi: 10.1016/j.numecd.2020.03.010. Online ahead of print. PMID: 32451276
 110. Alonso A, Chen LY, Rudser KD, **Norby FL**, Rooney MR, Lutsey PL. Effect of Magnesium Supplementation on Circulating Biomarkers of Cardiovascular Disease. *Nutrients*. 2020 Jun 6;12(6):1697. doi: 10.3390/nu12061697. PMID: 32517192
 111. Shi M, Chen LY, Bekwelem W, **Norby FL**, Soliman EZ, Alam AB, Alonso A. Association of Atrial Fibrillation With Incidence of Extracranial Systemic Embolic Events: The ARIC Study. *J Am Heart Assoc*. 2020 Sep 15;9(18):e016724. doi: 10.1161/JAHA.120.016724. Epub 2020 Aug 31. PubMed PMID: 32865122
 112. Demmer RT, **Norby FL**, Lakshminarayan K, Walker KA, Pankow JS, Folsom AR, Mosley T, Beck J, Lutsey PL. Periodontal disease and incident dementia: The Atherosclerosis Risk in Communities Study (ARIC). *Neurology*. 2020 Sep 22;95(12):e1660-e1671. doi: 10.1212/WNL.0000000000010312. Epub 2020 Jul 29. PubMed PMID: 32727837; PubMed Central PMCID: PMC7713724
 113. Wang W, **Norby FL**, Rooney MR, Zhang M, Gutierrez A, Garg P, Soliman EZ, Alonso A, Dudley SC Jr, Lutsey PL, Chen LY. Association of Life's Simple 7 with Atrial Fibrillation Burden (From the Atherosclerosis Risk in Communities Study). *Am J Cardiol*. 2020 Dec 15;137:31-38. doi: 10.1016/j.amjcard.2020.09.033. Epub 2020 Sep 28. PubMed PMID: 32998009; PubMed Central PMCID: PMC7704629
 114. **Norby FL**, Alonso A, Rooney MR, Maheshwari A, Koene RJ, Zhang M, Soliman EZ, Loehr LR, Mosley T, Gottesman RF, Coresh J, Chen LY. Association of Ventricular Arrhythmias With Dementia: The Atherosclerosis Risk in Communities (ARIC) Study. *Neurology*. 2021 Feb 9;96(6):e926-e936. doi: 10.1212/WNL.0000000000011122. Epub 2020 Oct 26. PMID: 33106393.
 115. 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. *J Electrocardiol*. 2020 Nov-Dec;63:98-103. doi: 10.1016/j.jelectrocard.2020.10.013. Epub 2020 Oct 30. PMID: 33171399; PMCID: PMC7736503.
 116. Maheshwari A, **Norby FL**, Soliman EZ, Alonso A, Sotoodehnia N, Chen LY. Association of P-Wave Abnormalities With Sudden Cardiac and Cardiovascular Death: The ARIC Study. *Circ Arrhythm Electrophysiol*. 2021 Feb;14(2):e009314. doi: 10.1161/CIRCEP.120.009314. Epub 2021 Feb 16. PMID: 33591817.
 117. Krishnappa D, Wang W, Rooney MR, **Norby FL**, Oldenburg NC, Soliman EZ, Alonso A, O-Uchi J, Dudley SC Jr, Lutsey PL, Chen LY. Life's Simple 7 cardiovascular health score and premature atrial contractions: The atherosclerosis risk in communities (ARIC) study. *Int J Cardiol*. 2021 Mar 3:S0167-5273(21)00394-6. doi: 10.1016/j.ijcard.2021.02.083. Epub ahead of print. PMID: 33675888.
 118. Jang S, Ogunmoroti O, Zhao D, Fashanu OE, Tibuakuu M, Benson EM, **Norby F**, Otvos JD, Heckbert SR, Szklo M, Michos ED. The association of novel inflammatory marker GlycA and incident atrial fibrillation in the Multi-Ethnic Study of Atherosclerosis (MESA). *PLoS One*. 2021 Mar 25;16(3):e0248644. doi: 10.1371/journal.pone.0248644. PMID: 33765041; PMCID: PMC7993599.
 119. Rooney MR, **Norby FL**, Maheshwari A, Lutsey PL, Dudley SC Jr, Soliman EZ, Loehr LR, Mosley TH, Coresh J, Alonso A, Chen LY. Frequent Premature Atrial Contractions Are Associated With Poorer Cognitive Function in the Atherosclerosis Risk in Communities (ARIC)

- Study. *Mayo Clin Proc.* 2021 May;96(5):1147-1156. doi: 10.1016/j.mayocp.2021.01.025. Epub 2021 Apr 9. PMID: 33840519; PMCID: PMC8106627.
120. 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 ARIC-NCS. *J Am Heart Assoc.* 2021 May 4;10(9):e020489. doi: 10.1161/JAHA.120.020489. Epub 2021 Apr 17. PMID: 33870735; PMCID: PMC8200760.
 121. Zhang S, Philips KH, Moss K, Wu D, Adam HS, Selvin E, Demmer RT, **Norby FL**, Mustapha IZ, Beck JD. Periodontitis and Risk of Diabetes in the Atherosclerosis Risk In Communities (ARIC) Study: A BMI-modified Association. *J Clin Endocrinol Metab.* 2021 May 13:dgab337. doi: 10.1210/clinem/dgab337. Epub ahead of print. PMID: 33982107.
 122. Harding BN, **Norby FL**, Heckbert SR, McKnight B, Psaty BM, Soliman EZ, Floyd JS, Chen LY. Longitudinal Measures of Blood Pressure and Subclinical Atrial Arrhythmias: The MESA and the ARIC Study. *J Am Heart Assoc.* 2021 Jun;10(11):e020260. doi: 10.1161/JAHA.120.020260. Epub 2021 May 20. PMID: 34014105.
 123. Almuwaqqat Z, Claxton J'S, **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. doi: 10.1186/s12872-021-02057-8. PMID: 34016038; PMCID: PMC8139144.
 124. McConkey N, Malamas P, **Norby FL**, Plamenac J, Park R, Weigel F, Gonzalez MD, Naccarelli GV, Maheshwari A. Abnormal P-wave terminal force in lead V1 is associated with low left atrial appendage ejection velocity. *J Electrocardiol.* 2021 Jul 2;67:142-147. doi: 10.1016/j.jelectrocard.2021.06.011. Epub ahead of print. PMID: 34242912.
 125. Kohno R, Cannom DS, Olshansky B, Xi SC, Krishnappa D, Adkisson WO, **Norby FL**, Fedorowski A, Benditt DG. Mast Cell Activation Disorder and Postural Orthostatic Tachycardia Syndrome: A Clinical Association. *J Am Heart Assoc.* 2021 Aug 16:e021002. Doi: 10.1161/JAHA.121.021002. Online ahead of print. PMID: 34398691
 126. 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). *Am J Cardiol.* 2021 Aug 28:S0002-9149(21)00732-3. doi: 10.1016/j.amjcard.2021.07.043. Online ahead of print. PMID: 34465464
 127. Alonso A, **Norby FL**, MacLehose RF, Zakai NA, Walker RF, Adam TJ, Lutsey PL. Claims-Based Score for the Prediction of Bleeding in a Contemporary Cohort of Patients Receiving Oral Anticoagulation for Venous Thromboembolism. *J Am Heart Assoc.* 2021 Sep 13:e021227. doi: 10.1161/JAHA.121.021227. Epub ahead of print. PMID: 34514806.
 128. Li L, Selvin E, Hoogeveen RC, Soliman EZ, Chen LY, **Norby FL**, Alonso A. 6-year change in high sensitivity cardiac troponin T and the risk of atrial fibrillation in the Atherosclerosis Risk in Communities cohort. *Clin Cardiol.* 2021 Sep 21. doi: 10.1002/clc.23727. Epub ahead of print. PMID: 34545585.
 129. Lutsey PL, Walker RF, MacLehose RF, **Norby FL**, Evensen LH, Alonso A, Zakai NA. Inpatient Versus Outpatient Acute Venous Thromboembolism Management: Trends and Postacute Healthcare Utilization From 2011 to 2018. *J Am Heart Assoc.* 2021 Oct 19;10(20):e020428. doi: 10.1161/JAHA.120.020428. Epub 2021 Oct 8. PMID: 34622678.
 130. **Norby FL**, Lutsey PL, Shippee ND, Chen LY, Henning-Smith C, Alonso A, Walker RF, Folsom AR. Direct Oral Anticoagulants and Warfarin for Atrial Fibrillation Treatment: Rural and Urban Trends in Medicare Beneficiaries. *Am J Cardiovasc Drugs.* 2021 Oct 11. doi: 10.1007/s40256-021-00502-9. Epub ahead of print. PMID: 34633646.
 131. 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 ARIC Study. *J Am Heart*

- Assoc. 2021 Oct 29:e021723. doi: 10.1161/JAHA.121.021723. Epub ahead of print. PMID: 34713724.
132. **Norby FL**, Tang W, Pankow JS, Lutsey PL, Alonso A, Steffan B, Chen LY, Zhang M, Shippee ND, Ballantyne CM, Boerwinkle E, Coresh J, Folsom AR. Proteomics and Risk of Atrial Fibrillation in Older Adults (From the Atherosclerosis Risk in Communities [ARIC] Study). *Am J Cardiol*. 2021 Dec 15;161:42-50. doi: 10.1016/j.amjcard.2021.08.064. PMID: 34794617; PMCID: PMC8608272.
 133. Jiayaspathi A, Chen LY, Selvin E, Gottesman RF, Knopman DS, Mosley TH, **Norby FL**, Alonso A. Relation of Diabetes Mellitus to Incident Dementia in Patients With Atrial Fibrillation (from the Atherosclerosis Risk in Communities Study). *Am J Cardiol*. 2021 Dec 6:S0002-9149(21)01093-6. doi: 10.1016/j.amjcard.2021.11.005. Epub ahead of print. PMID: 34887073.
 134. **Norby FL**, Benjamin EJ, Alonso A, Chugh SS. Racial and Ethnic Considerations in Patients With Atrial Fibrillation: JACC Focus Seminar 5/9. *J Am Coll Cardiol*. 2021 Dec 21;78(25):2563-2572. doi: 10.1016/j.jacc.2021.04.110. PMID: 34887142.
 135. Adam HS, Lakshminarayan K, Wang W, **Norby FL**, Mosley T, Walker KA, Gottesman RF, Meyer K, Hughes TM, Pankow JS, Wong DF, Jack CR Jr, Sen S, Lutsey PL, Beck J, Demmer RT. The Prospective Association between Periodontal Disease and Brain Imaging Outcomes: The Atherosclerosis Risk in Communities Study. *J Clin Periodontol*. 2021 Dec 14. doi: 10.1111/jcpe.13586. Epub ahead of print. PMID: 34905804.
 136. Subramanya V, Claxton JS, Lutsey PL, MacLehose RF, Chen LY, Chamberlain AM, **Norby FL**, Alonso A. Sex differences in treatment strategy and adverse outcomes among patients 75 and older with atrial fibrillation in the MarketScan database. *BMC Cardiovasc Disord*. 2021 Dec 16;21(1):598. doi: 10.1186/s12872-021-02419-2. PMID: 34915858.
 137. Turkson-Ocran RA, Foti K, Hines AL, Kamin Mukaz D, Kim H, Martin S, Minhas A, **Norby FL**, Ogungbe O, Razavi AC, Rooney MR, Sattler ELP, Scott J, Thomas AG, Tilves C, Wallace AS, Wang FM, Zhang M, Lutsey PL, Lancaster KJ. American Heart Association EPI|Lifestyle Scientific Sessions: 2021 Meeting Highlights. *J Am Heart Assoc*. 2022 Mar;11(5):e024765. doi: 10.1161/JAHA.121.024765. Epub 2022 Feb 18. PMID: 35179039.
 138. Wang W, **Norby FL**, Alonso A, Gottesman RF, Jack CR Jr, 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). *J Stroke Cerebrovasc Dis*. 2022 Feb 19;31(5):106388. doi: 10.1016/j.jstrokecerebrovasdis.2022.106388. Epub ahead of print. PMID: 35193028.
 139. Steffen BT, Pankow JS, Lutsey PL, Demmer RT, Misialek JR, Guan W, Cowan LT, Coresh J, **Norby FL**, Tang W. Proteomic Profiling Identifies Novel Proteins for Genetic Risk of Severe COVID-19: the Atherosclerosis Risk in Communities Study. *Hum Mol Genet*. 2022 Feb 25;ddac024. doi: 10.1093/hmg/ddac024. Epub ahead of print. PMID: 35212764.
 140. 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. *JAMA*. 2022 Mar 22;327(12):1138-1148. doi: 10.1001/jama.2022.2518. PMID: 35315884; PMCID: PMC8941355.
 141. Ghelani KP, Chen LY, **Norby FL**, Soliman EZ, Koton S, Alonso A. Thirty-Year Trends in the Incidence of Atrial Fibrillation: The ARIC Study. *J Am Heart Assoc*. 2022 Apr 12:e023583. doi: 10.1161/JAHA.121.023583. Epub ahead of print. PMID: 35414195.
 142. Fletcher G, Alam AB, Li L, **Norby FL**, Chen LY, Soliman EZ, Alonso A. Association of physical activity with the incidence of atrial fibrillation in persons > 65 years old: the Atherosclerosis Risk in Communities (ARIC) study. *BMC Cardiovasc Disord*. 2022 Apr 26;22(1):196. doi: 10.1186/s12872-022-02643-4. PMID: 35473497.
 143. Bianco F, De Caterina R, Chandra A, Aquila I, Claggett B, Johansen MC, Gonçalves A, **Norby FL**, Cogswell R, Soliman EZ, Gottesman R, Mosley T, Alonso A, Shah A, Solomon SD, Chen

- LY. Left Atrial Remodeling and Stroke in Patients With Sinus Rhythm and Normal Ejection Fraction: ARIC-NCS. *J Am Heart Assoc.* 2022 May 3;11(9):e024292. doi: 10.1161/JAHA.121.024292. Epub 2022 May 2. PMID: 35491988.
144. Parikh RR, **Norby FL**, Wang W, Thenappan T, Prins KW, Van't Hof JR, Lutsey PL, Solomon SD, Shah AM, Chen LY. Association of Right Ventricular Afterload with Atrial Fibrillation Risk in Older Adults: The Atherosclerosis Risk in Communities Study. *Chest.* 2022 May 10:S0012-3692(22)00899-6. doi: 10.1016/j.chest.2022.05.004. Epub ahead of print. PMID: 35562059.
 145. Steffen BT, Pankow JS, Lutsey PL, Demmer RT, Misialek JR, Guan W, Cowan LT, Coresh J, **Norby FL**, Tang W. Proteomic profiling identifies novel proteins for genetic risk of severe COVID-19: the Atherosclerosis Risk in Communities Study. *Hum Mol Genet.* 2022 Jul 21;31(14):2452-2461. doi: 10.1093/hmg/ddac024. PMID: 35212764; PMCID: PMC9307314.
 146. Appiah D, Schreiner PJ, Pankow JS, Brock G, Tang W, **Norby FL**, Michos ED, Ballantyne CM, Folsom AR. Long-term changes in plasma proteomic profiles in premenopausal and postmenopausal Black and White women: the Atherosclerosis Risk in Communities study. *Menopause.* 2022 Oct 1;29(10):1150-1160. doi: 10.1097/GME.0000000000002031. Epub 2022 Aug 20. PMID: 35969495; PMCID: PMC9509415.
 147. Molinsky RL, Yuzefpolskaya M, **Norby FL**, Yu B, Shah AM, Pankow JS, Ndumele CE, Lutsey PL, Papapanou PN, Beck JD, Colombo PC, Demmer RT. Periodontal Status, C-Reactive Protein, NT-proBNP, and Incident Heart Failure: The ARIC Study. *JACC Heart Fail.* 2022 Oct;10(10):731-741. doi: 10.1016/j.jchf.2022.05.008. Epub 2022 Jul 6. PMID: 36175058.
 148. Steffen BT, Tang W, Lutsey PL, Demmer RT, Selvin E, Matsushita K, Morrison AC, Guan W, Rooney MR, **Norby FL**, Pankratz N, Couper D, Pankow JS. Proteomic analysis of diabetes genetic risk scores identifies complement C2 and neuropilin-2 as predictors of type 2 diabetes: the Atherosclerosis Risk in Communities (ARIC) Study. *Diabetologia.* 2022 Oct 4. doi: 10.1007/s00125-022-05801-7. Epub ahead of print. PMID: 36194249.
 149. **Norby FL**, Reinier K, Uy-Evanado A, Nichols GA, Stecker EC, Jui J, Chugh SS. Sudden Cardiac Death in Patients With Type 1 Versus Type 2 Diabetes. *Mayo Clin Proc.* 2022 Oct 19:S0025-6196(22)00309-3. doi: 10.1016/j.mayocp.2022.05.021. Epub ahead of print. PMID: 36272817.
 150. Bohn B, Lutsey PL, Tang W, Pankow JS, **Norby FL**, Yu B, Ballantyne CM, Whitsel EA, Matsushita K, Demmer RT. A proteomic approach for investigating the pleiotropic effects of statins in the atherosclerosis risk in communities (ARIC) study. *J Proteomics.* 2022 Dec 5;272:104788. doi: 10.1016/j.jprot.2022.104788. Epub ahead of print. PMID: 36470581.
 151. **Norby FL**, Nakamura K, Fu Q, Venkatraman V, Sundararaman N, Mastali M, Reinier K, Salvucci A, Jui J, Van Eyk JE, Chugh SS. A Panel of Blood Biomarkers Unique to Sudden Cardiac Arrest. *Heart Rhythm.* 2022 Dec 12:S1547-5271(22)02720-5. doi: 10.1016/j.hrthm.2022.12.014. Epub ahead of print. PMID: 36521734.
 152. 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 for Ischemic Stroke in People Without Prevalent Atrial Fibrillation or Stroke : A Prospective Cohort Study. *Ann Intern Med.* 2022 Dec 20. doi: 10.7326/M22-1638. Epub ahead of print. PMID: 36534978.
 153. Steffen BT, Pankow JS, **Norby FL**, Lutsey PL, Demmer RT, Guan W, Pankratz N, Li A, Liu G, Matsushita K, Tin A, Tang W. Proteomics Analysis of Genetic Liability of Abdominal Aortic Aneurysm Identifies Plasma Neogenin and Kit Ligand: The ARIC Study. *Arterioscler Thromb Vasc Biol.* 2023 Feb;43(2):367-378. doi: 10.1161/ATVBAHA.122.317984. Epub 2022 Dec 29. PMID: 36579647.
 154. Parikh RR, Inciardi RM, Wang W, Hegde SM, **Norby FL**, Zhang MJ, Reyes JL, Van't Hof JR, Alonso A, Shah AM, Solomon SD, Chen LY. Association of Physical Activity With Left Atrial Function in Older Adults: The ARIC Study. *JACC Cardiovasc Imaging.* 2022 Dec 22:S1936-878X(22)00677-5. doi: 10.1016/j.jcmg.2022.10.026. Epub ahead of print. PMID: 36752428.

155. Holmstrom L, Chugh HS, Uy-Evanado A, Sargsyan A, Sorenson C, Salmasi S, **Norby FL**, Hurst S, Young C, Salvucci A, Jui J, Reinier K, Chugh SS. Sudden Cardiac Arrest During Sports Activity in Older Adults. *JACC Clin Electrophysiol*. 2022 Nov 11:S2405-500X(22)00950-1. doi: 10.1016/j.jacep.2022.10.033. Epub ahead of print. PMID: 36752458.
156. Reyes JL, **Norby FL**, Ji Y, Wang W, Parikh R, Zhang MJ, Oldenburg NC, Lutsey PL, Jack CR Jr, 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). *Pacing Clin Electrophysiol*. 2023 Mar 16. doi: 10.1111/pace.14687. Epub ahead of print. PMID: 36924350.
157. Wang S, Onyeaghala GC, Pankratz N, Nelson HH, Thyagarajan B, Tang W, **Norby FL**, Ugoji C, Joshu CE, Gomez CR, Couper DJ, Coresh J, Platz EA, Prizment AE. Associations between MICA and MICB genetic variants, protein levels, and colorectal cancer: Atherosclerosis Risk in Communities (ARIC). *Cancer Epidemiol Biomarkers Prev*. 2023 Mar 23:EPI-22-1113. doi: 10.1158/1055-9965.EPI-22-1113. Epub ahead of print. PMID: 36958849.
158. Chugh HS, Sargsyan A, Nakamura K, Uy-Evanado A, Dizon B, **Norby FL**, Young C, Hadduck K, Jui J, Shepherd D, Salvucci A, Chugh SS, Reinier K. Sudden Cardiac Arrest During the COVID-19 Pandemic: A Two-Year Prospective Evaluation in a North American Community. *Heart Rhythm*. 2023 Mar 23:S1547-5271(23)00327-2. doi: 10.1016/j.hrthm.2023.03.025. Epub ahead of print. PMID: 36965652; PMCID: PMC10035806.
159. Walker RF, Zakai NA, Mason SM, MacLehose RF, **Norby FL**, Evensen LH, Alonso A, Lutsey PL. Autoimmune disease and risk of postpartum venous thromboembolism. *Res Pract Thromb Haemost*. 2023 Feb 23;7(2):100091. doi: 10.1016/j.rpth.2023.100091. PMID: 36970127; PMCID: PMC10031534.
160. Holmstrom L, Chaudhary NS, Nakamura K, Chugh H, Uy-Evanado A, **Norby F**, Metcalf GA, Menon VK, Yu B, Boerwinkle E, Chugh SS, Akdemir Z, Kransdorf EP. Rare Genetic Variants Associated With Sudden Cardiac Arrest in the Young: A Prospective, Population-Based Study. *Circ Genom Precis Med*. 2023 May 17:e004105. doi: 10.1161/CIRCGEN.123.004105. Epub ahead of print. PMID: 37194601.
161. MacDonald DM, Ji Y, Adabag S, Alonso A, Chen LY, Henkle BE, Juraschek S, **Norby FL**, Lutsey PL, Kunisaki KM. Cardiovascular Autonomic Function and Incident COPD Hospitalizations in ARIC. *Ann Am Thorac Soc*. 2023 Jun 26. doi: 10.1513/AnnalsATS.202211-964OC. Epub ahead of print. PMID: 37364277.
162. Groene EA, **Norby FL**, Eaton AA, Mason SM, Enns EA, Kulasingam S, Vock DM. Diagnosed Gonorrhea Among Privately Insured Women: Analysis of United States Claims Data. *J Womens Health (Larchmt)*. 2023 Jun 29. doi: 10.1089/jwh.2023.0006. Epub ahead of print. PMID: 37384920.
163. 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. *Mayo Clin Proc*. 2023 Jul;98(7):985-996. doi: 10.1016/j.mayocp.2023.01.023. PMID: 37419588; PMCID: PMC10348449.
164. Reinier K, Dizon B, Chugh H, Bhanji Z, Seifer M, Sargsyan A, Uy-Evanado A, **Norby FL**, Nakamura K, Hadduck K, Shepherd D, Grogan T, Elashoff D, Jui J, Salvucci A, Chugh SS. Warning symptoms associated with imminent sudden cardiac arrest: a population-based case-control study with external validation. *Lancet Digit Health*. 2023 Aug 25:S2589-7500(23)00147-4. doi: 10.1016/S2589-7500(23)00147-4. Epub ahead of print. PMID: 37640599.

Research Papers – In Press

1. Zhang, M.J., Ji, Y., Wang, W., Norby, F.L., Parikh, R., Eaton, A.A., Inciardi, R.M., Alonso, A., Soliman, E.Z., Mosley, T.H., Johansen, M.C., Gottesman, R.F., Shah, A.M., Solomon, S.D., Chen, L.Y. (2023). "Association of Atrial Fibrillation with Stroke and Dementia Accounting for Left Atrial Function and Size." *JACC Adv* 2(2): *In Press*.

Research Papers – Preprints

Letters:

1. Lutsey PL, **Norby FL**, Alonso A. Oral Anticoagulants, Proton Pump Inhibitors, and Fracture-Reply. *JAMA Intern Med.* 2020 Apr 1;180(4):617-618. doi: 10.1001/jamainternmed.2020.0271. PMID: 32250406.
2. **Norby FL**. Author Response: Association of Ventricular Arrhythmias With Dementia: The Atherosclerosis Risk in Communities (ARIC) Study. *Neurology.* 2021 Jul 13;97(2):100. doi: 10.1212/WNL.00000000000012252. PMID: 34253653.

Abstracts: (first-author only)

1. **Norby FL**, Wold LE, Ren J. Influence of IGF-1 supplementation on cardiac excitation-contraction coupling in diabetes. ND Academy of Sciences Meeting. Bismarck, ND, April 26-27, 2001.
2. **Norby FL**, Wold LE, Ren J. Influence of IGF-1 supplementation on cardiac excitation-contraction coupling in diabetes. Frank Low Research Day, Grand Forks, ND April 11, 2001.
3. **Norby FL**, Hintz KK, Ren J. Anisodamine inhibits cardiac contraction and intracellular calcium transients in isolated adult rat ventricular myocytes. 9th Annual EPSCoR Poster Presentation. Fargo, ND, July 25, 2001.
4. **Lopez FL**, Agarwal SK, Maclehose RF, Soliman EZ, Sharrett AR, Huxley RR, Konety S, Ballantyne CM, Alonso A. Blood lipid levels, lipid lowering medication, and the incidence of atrial fibrillation: the Atherosclerosis Risk in Communities (ARIC) study. AHA EPI/NPAM, Atlanta, GA, March 23-25, 2011.
5. **Lopez FL**, Agarwal SK, Soliman EZ, Loehr LR, Lutsey PL, Chen L, Huxley RR, Alonso A. Serum phosphorus levels and the incidence of atrial fibrillation: The Atherosclerosis Risk in Communities (ARIC) study. AHA EPI/NPAM, San Deigo, CA, March 13-16, 2012.
6. **Lopez FL**, Lutsey DE, Pankow JS, Agarwal SK, Chen LY, Alonso A. Lipid gene scores and the incidence of atrial fibrillation: the Atherosclerosis Risk in Communities (ARIC) Study. AHA EPI/NPAM, New Orleans, LA, March 19-22, 2013.
7. **Lopez FL**, Agarwal SK, Soliman EZ, Chen LY, Smith LG, Loehr LR, Alonso A. Trajectories of cardiovascular risk factors/ outcomes and atrial fibrillation in a 25-year follow-up: the Atherosclerosis Risk in Communities Study. AHA EPI/NPAM, San Francisco,

CA, March 18-21, 2014.

8. **Lopez FL**, Chen LY, Soliman EZ, Deal JA, Gottesman RF, Heiss G, Mosley TH, Alonso A. Heart rate variability and its association with cognitive decline over 20 years: The Atherosclerosis Risk in Communities- Neurocognitive (ARIC-NCS) study. AHA EPI/NPAM, Baltimore, MD, March 3-6, 2015. *Oral presentation*
9. **Norby FL**, Bengtson, LGS, Chen LY, MacLehose RF, Lutsey PL, Chamberlain AM, Rapson, I, Alonso A. Comparative effectiveness of rivaroxaban versus warfarin and dabigatran for the treatment of non-valvular atrial fibrillation. AHA EPI/Lifestyle, Phoenix, AZ, March 1-4, 2016.
10. **Norby FL**, Chen LY, Soliman EZ, Gottesman RF, Mosley TH, Alonso A. Left ventricular hypertrophy is associated with incident dementia: the ARIC neurocognitive study (ARIC-NCS). AHA EPI/Lifestyle conference, Portland, Oregon, March 7-10, 2017.
11. **Norby FL**, Alonso A, Rooney MR, Maheshwari A, Koene RJ, Soliman EZ, Loehr LR, Mosley TH, Coresh J, Chen LY. Nonsustained ventricular tachycardia is independently associated with lower cognitive function: The Atherosclerosis Risk in Communities (ARIC) study. AHA EPI / Lifestyle conference, New Orleans, LA, March 20-23, 2018
12. **Norby FL**, Alonso A, Rooney MR, Maheshwari A, Koene RJ, Soliman EZ, Loehr LR, Mosley TH, Coresh J, Chen LY. Higher Atrial Fibrillation Burden Is Independently Associated With Lower Cognitive Function: The Atherosclerosis Risk In Communities (ARIC) Study. HRS, Boston, MA, May 10, 2018
13. **Norby FL**, Alonso A, Rooney MR, Maheshwari A, Koene RJ, Soliman EZ, Loehr LR, Mosley TH, Coresh J, Chen LY. Association of Nonsustained ventricular tachycardia with dementia and mild cognitive impairment: The Atherosclerosis Risk in Communities (ARIC) study. AHA Scientific Sessions, Rapid-fire oral presentation, Chicago, IL, November 11, 2018
14. **Norby FL**, Fanola CL, Shah AM, Chang PP, Lutsey PL, Rosamond WD, Cushman M, Folsom AR. Heart failure is associated with incident venous thromboembolism: the Atherosclerosis Risk in Communities (ARIC) study. AHA EPI/Lifestyle conference, Houston, TX, March 5-8, 2019
15. **Norby FL**, Chugh H, Uy-Evanado A, Hurst S, Jui J, Chugh SS, Reinier K. Population-Based incidence of sudden death in children: The Oregon Sudden Unexpected Death study. Heart Rhythm 2021, Volume 18, Issue 8, Supplement, Pages S1-540: S-PO03-171
16. **Norby FL**, Chugh H, Sargsyan A, Uy-Evanado A, Jui J, Salvucci A, Reinier K, Chugh SS. Unique Circadian Variation of Sudden Cardiac Death in the Young. Heart Rhythm 2021, Volume 18, Issue 8, Supplement, Pages S1-540: S-PO05-193
17. **Norby FL**, Uy-Evanado A, Jui J, Chugh SS, Reinier K. Survival from Sudden Cardiac Arrest Depends on Type of Diabetes. AHA Scientific Sessions, Boston, MA, November 13-15, 2021
18. **Norby FL**, Reinier K, Uy-Evanado A, Nichols GA, Stecker EC, Jui J, Chugh SS. Sudden Cardiac Arrest Circumstances in Type 1 and Type 2 Diabetes. AHA Scientific Sessions, Boston, MA, November 13-15, 2021
19. **Norby FL**, Reinier K, Hennessy S, Uy-Evanado A, Chugh H, Sargsyan A, Salvucci A, Jui J, Hurst S, Young C, Chugh SS. Sudden death associated with therapeutic levels of methadone: Significance of drug interactions. AHA Scientific Sessions, Chicago, IL, November 5-7, 2022
20. **Norby FL**, Chugh H, Reinier K, Chugh SS. The Cardiovascular Profile of Patients by Methamphetamine, Cocaine, Opiate, and Cannabis Use. American Heart Association - EPI | Lifestyle 2023 Scientific Sessions, March 1st, 2023, Boston, MA.

