

Emily B. Levitan, ScD, FAHA

Curriculum vitae

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Education

- 2000 Sc.B. Chemistry, Brown University, Providence, RI
- 2004 Sc.M. Epidemiology, Harvard School of Public Health, Boston, MA
- 2006 Sc.D. Epidemiology, Harvard School of Public Health, Boston, MA

Postdoctoral Training

- 2006-2009 Research Fellow in Cardiology, Cardiovascular Epidemiology Research Unit, Beth Israel Deaconess Medical Center and Harvard Medical School, Boston, MA

Faculty Appointments

- 2009-2014 Assistant Professor, Department of Epidemiology, University of Alabama at Birmingham School of Public Health, Birmingham, AL
- 2014-2020 Associate Professor with tenure, Department of Epidemiology, University of Alabama at Birmingham School of Public Health, Birmingham, AL
- 2017-2018 Interim Chair, Department of Epidemiology, University of Alabama at Birmingham School of Public Health, Birmingham, AL
- 2020-current Professor with tenure, Department of Epidemiology, University of Alabama at Birmingham School of Public Health, Birmingham, AL

Other Professional Positions and Appointments

- 1998 Summer Intern, National Heart, Lung, and Blood Institute, Bethesda, MD
- 1999 Summer Intern, Department of Chemistry, Brown University, Providence, RI
- 2000-2002 Editorial Assistant/Assistant Editor, Thomson Learning, Belmont, CA
- 2003-2005 Research Assistant, Brigham and Women's Hospital, Boston, MA
- 2005-2006 Research Assistant, Harvard School of Public Health, Boston, MA
- 2005-2009 Visiting Researcher, Karolinska Institute, Stockholm, Sweden
- 2009-2010 Contributor, *New York Times* topic page on obesity
- 2009-2012 Adjunct Research Scientist, Cardiovascular Epidemiology Research Unit, Beth Israel Deaconess Medical Center and Harvard Medical School, Boston, MA
- 2009-current Scientist, Comprehensive Center for Healthy Aging, University of Alabama at Birmingham, Birmingham, AL
- 2009-current Associate Scientist, Nutrition Obesity Research Center, University of Alabama at Birmingham, Birmingham, AL
- 2010-current Scholar, Center for Clinical and Translational Science, University of Alabama at Birmingham, Birmingham, AL
- 2012-current Co-Director (from 2019) and Scientist, Center for Outcomes and Effectiveness Research and Education, University of Alabama at Birmingham, Birmingham, AL
- 2012-current Steering Committee Member (from 2019) and Associate Scientist, Comprehensive Cardiovascular Center, University of Alabama at Birmingham, Birmingham, AL
- 2013-current Scientist, Comprehensive Diabetes Center, University of Alabama at Birmingham, Birmingham, AL
- 2014-2018 Research Associate, Birmingham Veterans Affairs Medical Center, Birmingham, AL
- 2014-current Associate Scientist, Minority Health and Health Disparities Research Center, University of Alabama at Birmingham, Birmingham, AL
- 2015-current Scientist, Center for the Study of Community Health, University of Alabama at Birmingham, Birmingham, AL
- 2016-current Associate Director, UAB-VA Health Services, Outcomes, and Effectiveness Research (HSOER) Training Program, University of Alabama at Birmingham, Birmingham, AL
- 2017-current Scientist and Clinical Core Member, UAB Center for AIDS Research, University of Alabama at Birmingham, Birmingham, AL

2020-current Co-Director, COVID-19 Collaborative Outcomes Research Enterprise,
University of Alabama at Birmingham, Birmingham, AL

Major Research Interests

My overarching goal is to improve public health through population research using traditional epidemiologic studies and administrative data with an emphasis on cardiovascular disease. I lead research projects on the primary and secondary prevention of heart failure and other cardiovascular diseases. I am co-principal investigator of the REGARDS-MI study investigating cardiovascular disease incidence and outcomes in a diverse nation-wide cohort and co-lead of the REGARDS heart failure working group. I also conduct cardiovascular research using Medicare and other administrative data sources. In my collaborative work, I contribute design and analysis expertise to observational research in cardiovascular disease, HIV/AIDS, and other conditions, particularly when the questions and data are complex.

Professional Societies

2005-current Fellow (from 2015) and Member, American Heart Association,
Council on Epidemiology and Prevention

2007-current Member, Society for Epidemiologic Research

2009-current Member, Gerontological Society of America

2010-current Member, American Society for Nutrition

Awards and Honors

1996 Phillips Scholar, Stephen Phillips Memorial Scholarship

1996 National Merit Scholar, National Merit Scholarship Corporation

1999 Undergraduate Teaching and Research Assistantship, Brown University

2000 Magna cum laude and Honors in Chemistry, Brown University

2007-2013 Clinical Research Loan Repayment Program, National Institutes of Health

2008 Certificate of Excellence as a Teaching Assistant, Department of
Epidemiology, Harvard School of Public Health

2013 President's Award for Excellence in Teaching, University of Alabama at
Birmingham School of Public Health

2017-2018 Blaze Leadership Academy, University of Alabama at Birmingham

2018 Graduate Dean's Award for Excellence in Mentorship, University of
Alabama at Birmingham

Teaching*Courses led*

- 2010 Doctoral Seminar on Causal Inference (EPI790), UAB School of Public Health, co-taught with Harold Kincaid, PhD, UAB Department of Philosophy
- 2010-2017 Analysis of Follow-up Studies (EPI720), UAB School of Public Health
- 2017 Pharmacoepidemiology (EPI681), UAB School of Public Health, co-taught with Huifeng Yun, PhD, UAB Department of Epidemiology
- 2018 Doctoral Seminar on Peer Review (EPI790), UAB School of Public Health, co-taught with Cora E. Lewis, MD, MSPH, UAB Department of Epidemiology
- 2018-2021 Population and Health Outcomes Research Seminar Series (EPI690/EPI695), UAB School of Public Health
- 2019-2021 Quantitative Methods in Epidemiology (EPI625), UAB School of Public Health

Guest lectures

- 2009 Analysis of Follow-up Studies (EPI720), UAB School of Public Health
- 2010 Intermediate Epidemiology (PHP2200), Brown University
- 2010-2012 Nutritional Epidemiology (EPI612/712), UAB School of Public Health
- 2010 Issues in Epidemiologic Design and Analysis (EPI611), UAB School of Public Health
- 2010-2012 Epidemiology of Cardiovascular Disease (EPI606), UAB School of Public Health
- 2012-2016 Epidemiologic Methods Applied to Comparative Effectiveness Research (EPI614), UAB School of Public Health
- 2012-2020 Environmental Epidemiology (EPI616), UAB School of Public Health
- 2013-2019 Clinical and Translational Science (CTS) Training Program (EPI680), UAB Center for Clinical and Translational Science
- 2013 Pharmacoepidemiology & Comparative Effectiveness Research (EPI609), UAB School of Public Health
- 2015-2016 Strengthening Causal Inference in Behavioral Obesity Research (R25HL124208), NHLBI-Funded Short Course
- 2018-2019 Basic and Translational Science in Heart Failure (GBS748), UAB Graduate Biomedical Sciences
- 2019-2020 Epidemiology of Cardiovascular Disease (EPI706), UAB School of Public Health

Teaching assistantships

2004-2008	Elements of Epidemiologic Research (EPI202), Harvard School of Public Health
2004	Introduction to Epidemiology (EPI201), Harvard School of Public Health
2005	Linear and Longitudinal Regression (BIO501), Harvard School of Public Health
2005	Principles of Epidemiology (EPI200), Harvard School of Public Health
2005-2006	Research Synthesis and Meta-Analysis (EPI233), Harvard School of Public Health
2008	Advanced Epidemiologic Methods (EPI207), Harvard School of Public Health

Mentoring*Dissertation Committee Chair*

2010-2013	Jennifer B. Harris, PhD, <i>TB Screening and Treatment Outcomes in Zambia</i> , UAB School of Public Health, current position: Epidemiologist, Global Immunization Division, Centers for Disease Control and Prevention
2013-2018	Favel L. Mondesir, PhD, MSPH, <i>Exploring the Relationship Between Social Support, Pharmacy Access and Medication Adherence</i> , UAB School of Public Health, current position: Postdoctoral fellow, Boston University
2013-2018	Matthew T. Mefford, PhD, MPH, <i>Heart Failure in a Contemporary Biracial Cohort</i> , UAB School of Public Health, current position: Postdoctoral fellow, Kaiser Permanente Southern California
2014-2017	Laura A. Graham, PhD, MPH, <i>Reducing Acute Cardiovascular Hospitalizations with a Weight Management Program (REACH)</i> , UAB School of Public Health, current position: Investigator, VA Palo Alto Health Care System
2018-2019	Linzi Li, MPH, UAB School of Public Health (transferred to Emory University)
2018-current	Maira Sohail, MPH, UAB School of Public Health
2020-current	Nicole Caston, UAB School of Public Health

Dissertation Committee Member

- 2010-2011 Justin L. Blackburn, PhD, *Three Topics in Eye Injury Research*, UAB School of Public Health, current position: Associate Professor, Department of Health Policy and Management, Indiana University
- 2010-2011 Russell L. Griffin, PhD, *The Effect of an Inclusive Trauma System on Homicide Risk in an Urban Population*, UAB School of Public Health, current position: Associate Professor, Department of Epidemiology, UAB
- 2010-2016 John A. Keenan, PhD, *Malaria, changes in angiogenesis factors, cytokine profiles and birth outcomes*, UAB School of Public Health, current position: Epidemiology Supervisor at Maricopa County Department of Public Health
- 2011-2013 Emily Vogtmann, PhD, *Association Between Cruciferous Vegetable Intake and Risk of Colorectal Cancer Among Men in Shanghai, China*, UAB School of Public Health, current position: Earl Stadtman Tenure-Track Investigator, National Cancer Institute
- 2011-2013 Staci L. Sudenga, PhD, *Host Genetic Factors Associated with Cervical Human Papillomavirus Clearance*, UAB School of Public Health, current position: Assistant Professor of Medicine, Vanderbilt University Medical Center
- 2012-2014 Amelia K. Boehme, PhD, *Predictors of Outcomes in Patients on Ventricular Assist Devices*, UAB School of Public Health, current position: Assistant Professor of Epidemiology, Columbia University
- 2013-2015 Chelsea R. Singleton, PhD, *An Examination of Farm-to-Consumer Retail Outlet Usage Among Participants of the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) in Birmingham, Alabama*, UAB School of Public Health, current position: Assistant Professor, University of Illinois at Urbana-Champaign
- 2013-2016 David Au, PhD, *The Relationships between Patient Satisfaction, Market Share, and Hospital Financial Performance*, UAB School of Health Professions, current position: Assistant Professor, Valdosta State University
- 2014-2015 Erica R. Johnson, PhD, *Exploring Body Image and the Association Between Body Image Dissatisfaction and Waist Circumference Among Overweight and Obese Rural African American Women Participating in a Weight Loss Program*, UAB School of Public Health
- 2014-2017 Kelsey H. Jordon, PhD, MPH, *Alternative methodological approaches for quantifying dental caries and non-water beverage consumptions for the improvement of caries risk analyses in children*, UAB School of Public Health

- 2015-2016 Lisandro D. Colantonio, MD, PhD, MSc, *Use of Medicare Inpatient Claims Data for the Identification of Myocardial Infarction*, UAB School of Public Health, current position: Scientist I, UAB
- 2016-2018 Ryan Cantor, PhD, MSPH, *The Evolving Landscape of Mechanical Circulatory Support in the United States: Observations From National Registries*, UAB School of Public Health
- 2016-2018 Carrie Huisingh, PhD, *Visual, Attentional, and Cognitive Risk factors for Motor Vehicle Collision Involvement Among Older Adults*, UAB School of Public Health, current position: Epidemiologist, AbbVie
- 2018-2019 Emily C. McKinley, PhD, MS, *Amyloid and White Matter Hyperintensity Burden in the Stroke Belt*, UAB School of Public Health, current position: Researcher V, UAB Department of Epidemiology
- 2019- Zachary McCann, UAB College of Arts and Sciences

Master Thesis Committee Chair

- 2011-2013 Virginia M. Chu, MSPH, *Disease Modeling Using Games on a College Campus*, UAB School of Public Health
- 2011-2013 David R. Buys, PhD, MSPH, *Neighborhood Disadvantage is Associated with Hypertension Prevalence and Control in Older Adults: Results from the University of Alabama at Birmingham (UAB) Study of Aging*, UAB School of Public Health, current position: Assistant Extension and Research Professor, Department of Food Science, Nutrition, and Health Promotion, Mississippi State University
- 2013-2014 Christopher E. Anderson, MSPH, *5-Aminosalicylate Exposure in Inflammatory Bowel Disease and Colorectal Neoplasia Risk: A Meta-Analysis*, UAB School of Public Health
- 2016-2017 Bharat Poudel, MSPH, *Patterns of Treatment in Patients with Heart Failure with Preserved Ejection Fraction: the REasons for Geographic And Racial Differences in Stroke study*, UAB School of Public Health
- 2017-2018 J. Walker Blackston, MSPH, *Racial disparities in cardiovascular disease outcomes after myocardial infarction: the REasons for Geographic And Racial Differences in Stroke (REGARDS) study*, UAB School of Public Health
- 2017-2019 Nada Elmagboul, MD, MSPH, *Comparison of an Interactive Voice Response System and Smartphone Application in the Identification of Gout Flares*, UAB School of Public Health

2018-2020 Emiri (Emily) Matsuda, MSPH, *Life-space and Cognitive Function by Cardiovascular Disease Risk: A Cross-Sectional Analysis from the REGARDS study*, UAB School of Public Health

Postdoctoral fellows

2015-2016 Matthew Shane Loop, PhD, current position: Clinical Assistant Professor, University of North Carolina Collaborative Studies Coordinating Center/Department of Biostatistics

Other

2013-2014 Huifeng Yun, MD, PhD, Assistant Professor, Department of Epidemiology, UAB School of Public Health, Co-mentor: UAB PCORI K12 Scholar

2015-current Nicole C. Wright, PhD, Assistant Professor, Department of Epidemiology, UAB School of Public Health, Co-mentor: UAB PCORI K12 Scholar/NIAMS K01

2017-2018 Audrey Wallace, MD, MSN, UAB School of Medicine, Co-mentor: UAB T32 Health Services and Outcomes Research Scholar

2017-2019 Sandhya Mudumbi, MD, UAB School of Medicine, Co-mentor: UAB T32 Health Services and Outcomes Research Scholar

2017-current Sarah Dee Geiger, PhD, MS, Assistant Professor, College of Applied Health Sciences, University of Illinois at Urbana-Champaign, Mentor: American Heart Association Professional Mentoring Program

2017-2019 Parag Goyal, MD, Assistant Professor, Weill Cornell Medicine, Advisor: NIA GEMSTAR award

2020-current Danielle Sutzko, MD, MS, Assistant Professor, Department of Surgery, UAB School of Medicine, Co-mentor

2020-current Lesley Jackson, MD, Fellow, Division of Clinical Immunology and Rheumatology, Co-mentor

Professional Service

Editorial Activities

2010-2016 Guest editor, *Circulation* journals

2016-2020 Editorial board, *Journal of Nutrition*

Ad-Hoc Review

American Heart Journal

American Journal of Cardiology

American Journal of Clinical Nutrition

American Journal of Epidemiology
American Journal of Managed Care
American Journal of Public Health
Annals of Epidemiology
Annals of Internal Medicine
Archives of Internal Medicine/JAMA Internal Medicine
Atherosclerosis
BMC Medical Research Methodology
BMC Public Health
BMJ
British Journal of Nutrition
Cardiovascular Drugs and Therapy
Circulation
Circulation: Cardiovascular Quality and Outcomes
Circulation: Heart Failure
Clinical Endocrinology
Clinical Nutrition
Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy
Diabetes Research and Clinical Practice
Diabetic Medicine
Diabetologia
Epidemiology
European Heart Journal
European Journal of Cardiovascular Nursing
European Journal of Clinical Nutrition
European Journal of Heart Failure
European Journal of Nutrition
Globalization and Health
Hypertension
Hypertension Research
International Journal of Food Sciences & Nutrition
JAMA
Journal of Human Hypertension
Journal of Nutrition, Health and Aging
Journal of the American College of Cardiology
Journal of the American College of Nutrition
Journal of the American Heart Association
Metabolism
New England Journal of Medicine
Nutrition Journal
Obesity
Obesity Reviews
Preventive Medicine
Public Health Nutrition

National Institutes of Health

- 2015 Ad hoc review, Secondary Dataset Analyses in Heart, Lung, and Blood Diseases and Sleep Disorders Special Emphasis Panel
- 2015 Ad hoc review, Health Services Organization and Delivery Study Section
- 2015-2020 Ad hoc review, Cancer, Heart, and Sleep Epidemiology Study Section, Panel A
- 2019 Ad hoc review, Continuation of Existing Grant Based Epidemiology Cohort Studies in Heart, Lung, Blood, and Sleep Diseases and Disorders Special Emphasis Panel
- 2020 Member, Cancer, Heart, and Sleep Epidemiology Study Section, Panel A

Professional Organizations

- 2008-2019 Abstract Reviewer, American Heart Association Scientific Sessions and Epidemiology/Lifestyle Scientific Sessions
- 2010-2011 Abstract Reviewer, Gerontological Society of America Annual Meeting
- 2011 Abstract Reviewer, North American Congress of Epidemiology
- 2012-2017 Member, Committee for Scientific Sessions Planning, Council on Epidemiology and Prevention, American Heart Association
- 2015 Grant reviewer, American Academy for the Advancement of Sciences Research Competitiveness Program
- 2016-2020 Member, Membership and Communications Committee, Council on Epidemiology and Prevention, American Heart Association

Collaborative Study Committees and Monitoring Boards

- 2016-current Co-lead, REGARDS Heart Failure Working Group
- 2018-current Member, Impact of Physical Activity Routines and Dietary Intake on the Longitudinal Symptom Experience of People Living with HIV (PROSPER-HIV) Data and Safety Monitoring Committee, Sponsor: NIH/NINR
- 2019-current Chair, AMBulatoRy bLOod preSSure In older Adults (AMBROSIA) study Observational Study Monitoring Board, Sponsor: NIH/NHLBI
- 2020-current Lead, REGARDS COVID-19 Working Group
- 2020-current Member, Collaborative Cohort of Cohorts for COVID-19 Research (C4R) Study Events Committee
- 2020-current Member, REGARDS Publications and Presentations Committee

University of Alabama at Birmingham

- 2009 Member, Search committee, Research Methods and Clinical Trials Biostatistician, Department of Biostatistics, University of Alabama at Birmingham
- 2009-2011 Member, Prize, Honor, and Award Taskforce, Nutrition Obesity Research Center, University of Alabama at Birmingham
- 2010, 2012 Reviewer, Charles Barkley Health Disparities Research Awards, Minority Health and Health Disparities Research Center, University of Alabama at Birmingham
- 2010 Member, Search committee, Cardiovascular Epidemiologist, Department of Epidemiology, University of Alabama at Birmingham
- 2010-2011 Program Director, Masters of Science in Public Health—Epidemiology, University of Alabama at Birmingham
- 2011 Chair, Search committee, Injury Epidemiologist, Department of Epidemiology, University of Alabama at Birmingham
- 2011-2017 Member, PhD committee, Department of Epidemiology, School of Public Health, University of Alabama at Birmingham
- 2013-2014 Member, Benevolent Fund Campaign Leadership Circle, University of Alabama at Birmingham
- 2014-2017 Reviewer, Patient-centered Outcomes Research K12 Career Development Award, University of Alabama at Birmingham
- 2014 Member, Search Committee, Cardiovascular Epidemiologist, Department of Epidemiology, University of Alabama at Birmingham
- 2015-2016 Member, Search Committee, Biostatistician, Department of Biostatistics, University of Alabama at Birmingham
- 2015 Reviewer, Center for Healthy African American Men through Partnerships Pilot Project Program, University of Alabama at Birmingham/University of Minnesota
- 2015-2017 Chair of the Faculty Assembly, University of Alabama at Birmingham School of Public Health
- 2017-2018 Member, Search Committee, Outcomes Research, Department of Health Care Organization and Policy, University of Alabama at Birmingham
- 2018-current Program Director, PhD in Epidemiology, University of Alabama at Birmingham
- 2019 Reviewer, Center for Clinical and Translational Science, KL2 Career Development Award, University of Alabama at Birmingham
- 2020 Member, School of Public Health Promotion and Tenure Task Force, University of Alabama at Birmingham

- 2020-2023 Member, O'Neal Comprehensive Cancer Center Pilot Grant Study Section, University of Alabama at Birmingham
- 2020-current Chair, Search Committee, Marks Chair in Cancer Epidemiology, Department of Epidemiology, University of Alabama at Birmingham

Grant Support

Current

REGARDS-MI

Principal Investigators: Monika M. Safford, MD/Emily B. Levitan, ScD
 Role: Co-principal investigator
 Funding: NIH/NHLBI R01 HL080477
 Period of funding: 2005-2021

Academic Collaboration in Cardiovascular Observational Research

Principal investigator: Paul Muntner, PhD
 Role: Co-investigator
 Funding: Amgen, Inc.
 Period of funding: 2012-2021

UAB Center for Clinical and Translational Science (CCTS)

Principal investigator: Robert P. Kimberly, MD
 Role: Co-investigator
 Funding: NIH/NCATS UL1 TR001417
 Period of funding: 2015-2024

UAB Center for AIDS Research

Principal investigator: Michael S. Saag, MD
 Role: Clinical core member (biostatistics and research design)
 Funding: NIH/NIAID P30 AI027767
 Period of funding: 2016-2024

The Alabama Care Plan: Assessing the Impact of Regional Care Organizations on Diabetes Outcomes in a Sample of Alabama Medicaid Recipients

Principal investigator: Andrea L. Cherrington, MD, MPH
 Role: Co-investigator
 Funding: NIH/NIDDK R18 DK109501
 Period of funding: 2016-2021

Left Atrial abNormality, ThromboEmbolism, and Race: Novel risk factors for stroke (LANTERN)

Principal investigator: Hooman Kamel, MD
 Role: UAB subcontract principal investigator
 Funding: NIH/NINDS R01 NS097443
 Period of funding 2016-2021

Prioritizing county-level social determinants that contribute to the greater burden of diabetes and hypertension in the US

Principal investigator: April P. Carson, PhD

Role: Co-investigator

Funding: CDC U01DP006302

Period of funding: 2017-2022

UAB-MISS MACS/WIHS Combined Cohort Study

Principal investigator: Mirjam-Colette Kempf, PhD, MPH

Role: Co-investigator

Funding: NHLBI U01HL146192

Period of funding: 2019-2025

Geographic variability in time from HIV diagnosis to viral suppression in the Deep South: A roadmap to accelerated treatment initiation (Road to Zero)

Principal investigators: Aadia Rana, MD/Scott Batey, PhD, MSW

Role: Co-investigator

Funding: NIAID R01AI142690

Period of funding: 2019-2024

Collaborative Cohort of Cohorts for COVID-19 Research

Principal investigator: Elizabeth C. Oelsner, MD, MPH

Role: Co-investigator

Funding: NHLBI

Period of funding: 2020-2022

UAB Center for AIDS Research (CFAR) - A Dynamic COVID-19 Community-Engaged Testing Strategy in Alabama (COVID COMET AL)

Principal investigator: Michael Mugavero, MD, MHSc

Role: Co-investigator

Funding: NIAID P30AI027767

Period of funding: 2020-2021

Past

Cardiovascular Research Training Program

Principal investigator: Mark E. Josephson, MD

Role: Trainee

Funding: NIH/NHLBI T32 HL007374

Period of funding: 2006-2008

Dietary Predictors of Congestive Heart Failure (postdoctoral fellowship grant)

Principal investigator: Emily B. Levitan, ScD

Role: Principal investigator

Funding: NIH/NHLBI F32 HL091683

Period of funding: 2008-2009

UAB K12 in Comparative Effectiveness Research

Principal investigator: Kenneth S. Saag, MD, MSc

Role: Scholar

Funding: AHRQ K12 HS019465

Period of funding: 2010-2013

UAB Deep South Arthritis and Musculoskeletal CERTs

Principal investigator: Kenneth S. Saag, MD, MSc

Role: Methods core member

Funding: AHRQ U19 HS021110

Period of funding: 2011-2016

UAB International Training and Research in Environmental Epidemiology

Principal investigator: Nalini Sathiakumar, MD, DrPH

Role: Co-investigator

Funding: NIH/Fogarty International Center D43 TW005750

Period of funding: 2011-2014

Unmet Needs in Lipid Treatment and High Risk Patients

Principal investigator: Kristi Reynolds, PhD, MPH

Role: UAB subcontract principal investigator

Funding: Amgen, Inc.

Period of funding: 2013-2015

Academic Collaboration in Systolic Heart Failure Economics

Principal investigator: Meredith L. Kilgore, PhD

Role: Co-investigator

Funding: Amgen, Inc.

Period of funding: 2013-2014

Coronary Artery Disease Risk Development in Young Adults (CARDIA) Birmingham Field Center

Principal investigator: Cora E. Lewis, MD, MSPH

Role: Investigator

Funding: NIH/NHLBI HHSN268201300026C

Period of funding: 2013-2018

Comprehensive literature review for potential adverse events of special interest

Principal investigator: Emily B. Levitan, ScD

Role: Principal investigator

Funding: Amgen, Inc

Period of funding: 2014

Holidays and Heart Failure Hospitalization

Principal investigator: Emily B. Levitan, ScD

Role: Principal investigator

Funding: Back of the Envelope Award, UAB School of Public Health

Period of funding: 2014

Beta-Blocker Use Patterns and Related Risk Factors for Rehospitalization among Patients with Heart Failure in Medicare

Principal investigator: Emily B. Levitan, ScD

Role: Principal investigator

Funding: Amgen, Inc.

Period of funding: 2014-2017

Patient and provider perspectives on beta-blocker treatment in heart failure

Principal investigator: Emily B. Levitan, ScD

Role: Principal investigator

Funding: Amgen, Inc.

Period of funding: 2015-2016

Acute effects of dietary intake in heart failure patients: Pilot study

Principal investigator: Emily B. Levitan, ScD

Role: Principal investigator

Funding: UAB Comprehensive Center for Healthy Aging

Period of funding: 2015-2016

Prenatal and Early Childhood Biomass Smoke Exposure and Child Neurodevelopment

Principal investigator: Nalini Sathiakumar, MD, DrPH

Role: Co-investigator

Funding: NIH/NIEHS R01 ES023492

Period of funding: 2014-2018

Impact of polypharmacy on rehospitalization in older adults with heart failure

Principal investigator: Parag Goyal, MD

Role: UAB subcontract principal investigator

Funding: NIH/NIA R03 AG056446

Period of funding 2017-2019

Patterns of comorbidity among Medicare beneficiaries hospitalized for heart failure with preserved ejection fraction

Principal investigator: Emily B. Levitan, ScD

Role: Principal investigator

Funding: Amgen, Inc.

Period of funding: 2018-2019

Use of renin-angiotensin system inhibitors following hospitalization for heart failure with reduced ejection fraction

Principal investigator: Emily B. Levitan, ScD

Role: Principal investigator

Funding: Amgen, Inc.

Period of funding: 2019-2020

Community Quilts

Principal investigator: Emily B. Levitan, ScD

Role: Principal investigator

Funding: Community Health Scholars Pilot Award, UAB Center for the Study of

Community Health, CDC U48 DP005037
 Period of funding: 2019-2020

Clinical pathways of high-risk HFrfEF patients during the vulnerable phases following hospital discharge

Principal investigator: Emily B. Levitan, ScD
 Role: Principal investigator
 Funding: Amgen, Inc.
 Period of funding: 2019-2020

Presentations

External invited seminars

- 2009 Diet, adiposity, and heart failure. Department of Epidemiology and Biostatistics, George Washington University School of Public Health and Health Services, Washington, DC
- 2009 Diet and heart failure incidence. Nutrition and Aging XXIV: Nutrition, Macronutrients and Chronic Disease, Central Arkansas Veterans Healthcare System/University of Arkansas for Medical Sciences, Little Rock, AR
- 2012 Diet in heart failure onset and prognosis. Department of Medicine Grand Rounds, Advocate Christ Medical Center, Oak Lawn, IL
- 2015 Epidemiology of atypical myocardial infarction, Columbia University Mailman School of Public Health Chronic Disease Epidemiology Seminar, New York, NY
- 2017 Barriers to beta-blocker use among individuals with heart failure. Division of Health System Innovation & Research, University of Utah, Salt Lake City, UT
- 2019 Death, debility, and destitution following recurrent myocardial infarction: Patient-centered outcomes in claims data. Division of General Internal Medicine, Weill Cornell Medicine, New York, NY
- 2019 Diet patterns and heart failure incidence and prognosis. Department of Public Health, University of Bordeaux, Bordeaux, France
- 2021 Cardiovascular Disease Events and Mortality After Myocardial Infarction Among Black and White Adults: the REGARDS Study. Slone Epidemiology Center, Boston University, Boston, MA

Conference oral presentations (presenting author)

- 2005 Association between carbohydrate quality and high-sensitivity C-reactive protein in middle-aged women. Annual Conference on Cardiovascular

- Disease Epidemiology and Prevention of the American Heart Association, Washington, DC
- 2005 Association of dietary glyceic load and dietary glyceic index with plasma HDL cholesterol and triglyceride levels in middle-aged women. Annual Meeting of the Society for Epidemiologic Research, Toronto, Canada
- 2012 Prevalence of statin use among Medicare beneficiaries with coronary heart disease by income, region, and race/ethnicity. American Heart Association Scientific Sessions, Los Angeles, CA
- 2012 Cardioprotective medication use among people with unrecognized myocardial infarction: the REasons for Racial And Geographic Differences in Stroke study. Annual Conference on Cardiovascular Disease Epidemiology and Prevention of the American Heart Association, San Diego, CA
- 2012 Blood pressure measurement device, number and timing of visits, and intra-individual standard deviation of blood pressure. 24th Scientific Meeting of the International Society of Hypertension, Sydney, Australia
- 2013 Vitamin D supplementation: fleeting fad or abiding benefits. Invited panel member/discussant, American College of Cardiology Scientific Sessions, San Francisco, CA
- 2014 Prognosis of patients with acute myocardial infarction by hospital discharge diagnosis. Annual Conference on Cardiovascular Disease Epidemiology and Prevention of the American Heart Association, San Francisco, CA
- 2014 Mediterranean and DASH diet scores and mortality in women with heart failure. Annual Women's Health Initiative Investigator Meeting. Seattle, WA
- 2015 Filling a β -blocker in the week after discharge for a heart failure hospitalization is associated with a lower risk of rehospitalization among Medicare beneficiaries. American Heart Association Scientific Sessions. Orlando, FL

Conference poster presentations (presenting author)

- 2007 Dietary glyceic index, dietary glyceic load, and cardiovascular disease in Swedish men. Annual Conference on Cardiovascular Disease Epidemiology and Prevention of the American Heart Association, Orlando, FL
- 2007 Association of dietary glyceic index and dietary glyceic load with cardiovascular and all-cause mortality among men with established cardiovascular disease. Annual Meeting Society for Epidemiologic Research, Boston, MA

- 2008 Adherence to the DASH diet and incidence of heart failure among men. Annual Conference on Cardiovascular Disease Epidemiology and Prevention of the American Heart Association, Colorado Springs, CO
- 2008 Overweight, obesity, and incidence of heart failure. Annual Conference on Cardiovascular Disease Epidemiology and Prevention of the American Heart Association, Colorado Springs, CO
- 2008 Intake of fatty fish and incidence of congestive heart failure. 2008 Annual Meeting of the Society for Epidemiologic Research, Chicago, IL
- 2009 Dietary glycemic index, dietary glycemic load and incidence of heart failure. Annual Conference on Cardiovascular Disease Epidemiology and Prevention of the American Heart Association, Palm Harbor, FL
- 2010 Alpha-linolenic acid, linoleic acid, and incidence of heart failure in women. Annual Conference on Cardiovascular Disease Epidemiology and Prevention of the American Heart Association, San Francisco, CA
- 2010 Teenage body habitus and incident heart failure in community-dwelling older adults. Gerontological Society of America's 63rd Annual Scientific Meeting, New Orleans, LA
- 2012 Building assessment tools for unrecognized myocardial infarction: the REasons for Geographic And Racial Differences in Stroke study. Annual Conference on Cardiovascular Disease Epidemiology and Prevention of the American Heart Association, San Diego, CA
- 2013 Statin use after acute in-hospital myocardial infarction among Medicare beneficiaries. American Heart Association Scientific Sessions, Dallas, TX
- 2015 Use of β -blockers in Medicare beneficiaries with systolic heart failure and hypotension, asthma, chronic obstructive pulmonary disease or peripheral vascular disease. American College of Cardiology Scientific Sessions, San Diego, CA
- 2015 Length of stay among Medicare beneficiaries hospitalized with heart failure. American Heart Association Epidemiology/Lifestyle Scientific Sessions, Baltimore, MD
- 2015 Pre-hospitalization medication use in black and white Medicare beneficiaries hospitalized with heart failure. American Heart Association Epidemiology/Lifestyle Scientific Sessions, Baltimore, MD
- 2015 Burden of cardiovascular hospitalizations following myocardial infarction among older adults. European Society of Cardiology Congress, London, United Kingdom
- 2015 Prescriptions for and use of β -blockers following heart failure hospitalization: the REasons for Geographic And Racial Differences in Stroke (REGARDS) study. American Heart Association Scientific Sessions, Orlando, FL

- 2015 Trends in myocardial infarction as a secondary discharge diagnosis. American Heart Association Scientific Sessions, Orlando, FL
- 2019 Death, debility, and destitution following recurrent myocardial infarction among older adults. European Society of Cardiology Congress, Paris, France
- 2020 History of Myocardial Infarction and Functional Status: The REasons for Geographic And Racial Differences in Stroke Study. American Heart Association Epidemiology/Lifestyle Scientific Sessions, Phoenix, AR

Mentee conference poster presentations (senior author)

- 2015 Favel L. Mondesir, MSPH. Diabetes: coronary heart disease risk equivalent or risk factor? The REasons for Geographic and Racial Differences in Stroke Study. American Heart Association Epidemiology/Lifestyle Scientific Sessions, Baltimore, MD
- 2016 Matthew Mefford, MPH. Creating Claims-based Risk Scores for Incident Coronary Heart Disease. American Heart Association Epidemiology/Lifestyle Scientific Sessions, Phoenix, AR
- 2016 Matthew Shane Loop, PhD. Is There a Mismatch Between Length of Hospital Stay and Prognosis in Medicare Beneficiaries Hospitalized for Heart Failure? American Heart Association Epidemiology/Lifestyle Scientific Sessions, Phoenix, AR
- 2017 Favel L. Mondesir, MSPH. Association of Functional and Structural Social Network Components With Medication Adherence Among Participants With Coronary Heart Disease Risk Factors: the REasons for Geographic and Racial Differences in Stroke Study. American Heart Association Epidemiology/Lifestyle Scientific Sessions, Portland, OR
- 2017 Laura A. Graham, MPH. Weight Management Program Characteristics: Keeping Patients Engaged Through Group Activities. American Heart Association Epidemiology/Lifestyle Scientific Sessions, Portland, OR
- 2018 Matthew Mefford, MPH. The Association between Hypertension and Incident Heart Failure by Race and Gender. American Heart Association Epidemiology/Lifestyle Scientific Sessions, New Orleans, LA
- 2018 Laura A. Graham, PhD, MPH. Long-term participant engagement in weight management programs. American Heart Association Quality of Care and Outcomes Research Scientific Sessions, Arlington, VA
- 2020 Oluseun O. Akinyele. Consistency of self-reported physician diagnosis and Medicare claims diagnosis of atrial fibrillation: the REasons for Geographic And Racial Differences in Stroke study. American Heart Association Epidemiology/Lifestyle Scientific Sessions, Phoenix, AR

Bibliography

Peer-Reviewed Original Research Articles

1. **Levitan EB**, Song Y, Ford ES, Liu S. Is nondiabetic hyperglycemia a risk factor for cardiovascular disease? A meta-analysis of prospective studies. *Arch Intern Med.* 2004;164(19):2147-55.
2. **Levitan EB**, Ridker PM, Manson JE, Stampfer MJ, Buring JE, Cook NR, Liu S. Association between consumption of beer, wine, and liquor and plasma concentration of high-sensitivity C-reactive protein in women aged 39 to 89 years. *Am J Cardiol.* 2005;96(1):83-8.
3. Song Y, He K, **Levitan EB**, Manson JE, Liu S. Effects of oral magnesium supplementation on glycaemic control in Type 2 diabetes: a meta-analysis of randomized double-blind controlled trials. *Diabet Med.* 2006;23(10):1050-6.
4. **Levitan EB**, Westgren CW, Liu S, Wolk A. Reproducibility and validity of dietary glycemic index, dietary glycemic load, and total carbohydrate intake in 141 Swedish men. *Am J Clin Nutr.* 2007;85(2):548-53.
5. **Levitan EB**, Mittleman MA, Håkansson N, Wolk A. Dietary glycemic index, dietary glycemic load, and cardiovascular disease in middle-aged and older Swedish men. *Am J Clin Nutr.* 2007;85(6):1521-6.
6. Garud S, Brown A, Cheifetz A, **Levitan EB**, Kelly CP. Meta-analysis of the placebo response in ulcerative colitis. *Dig Dis Sci.* 2008;53(4):875-91.
7. **Levitan EB**, Liu S, Stampfer MJ, Cook NR, Rexrode KM, Ridker PM, Buring JE, Manson JE. HbA(1c) measured in stored erythrocytes and mortality rate among middle-aged and older women. *Diabetologia.* 2008;51(2):267-75.
8. Oken E, **Levitan EB**, Gillman MW. Maternal smoking during pregnancy and child overweight: systematic review and meta-analysis. *Int J Obes (Lond).* 2008;32(2):201-10.
9. **Levitan EB**, Cook NR, Stampfer MJ, Ridker PM, Rexrode KM, Buring JE, Manson JE, Liu S. Dietary glycemic index, dietary glycemic load, blood lipids, and C-reactive protein. *Metabolism.* 2008;57(3):437-43.
10. Aslibekyan S, **Levitan EB**, Mittleman MA. Prevalent cocaine use and myocardial infarction. *Am J Cardiol.* 2008;102(8):966-9.
11. **Levitan EB**, Mittleman MA, Wolk A. Dietary glycemic index, dietary glycemic load and mortality among men with established cardiovascular disease. *Eur J Clin Nutr.* 2009;63(4):552-7.
12. Savitz SI, **Levitan EB**, Wears R, Edlow JA. Pooled analysis of patients with thunderclap headache evaluated by CT and LP: is angiography necessary in patients with negative evaluations? *J Neurol Sci.* 2009;276(1-2):123-125.
13. **Levitan EB**, Wolk A, Mittleman MA. Consistency with the DASH diet and incidence of heart failure. *Arch Intern Med.* 2009;169(9):851-857.

14. Morissette MR, Stricker JC, Rosenberg M, Buranasombati C, **Levitan EB**, Mittleman MA, Rosenzweig A. Effects of myostatin deletion in aging mice. *Aging Cell*. 2009;8(5):573-83.
15. Govig B, de Souza R, **Levitan EB**, Crookston D, Kestens Y, Mendivil CO, Mittleman MA. The Eating Assessment Table—an evidence-based nutrition tool for clinicians. *Crit Pathw Cardiol*. 2009;8(2):55-62.
16. **Levitan EB**, Yang AZ, Wolk A, Mittleman MA. Adiposity and incidence of heart failure hospitalization and mortality: a population-based prospective study. *Circ Heart Fail*. 2009;2(3):202-208.
17. **Levitan EB**, Wolk A, Mittleman MA. Fish consumption, marine omega-3 fatty acids, and incidence of heart failure: a population-based prospective study of middle-aged and elderly men. *Eur Heart J*. 2009;30(12):1495-500.
18. Mostofsky E, Wellenius GA, Noheria A, **Levitan EB**, Burger MR, Schlaug G, Mittleman MA. Renal function predicts survival in patients with acute ischemic stroke. *Cerebrovasc Dis*. 2009;28(1):88-94. PMID: PMC2700844.
19. **Levitan EB**, Wolk A, Mittleman MA. Relation of consistency with the dietary approaches to stop hypertension diet and incidence of heart failure in men aged 45 to 79 years. *Am J Cardiol*. 2009;104(10):1416-20.
20. Ahmed HN*, **Levitan EB***, Wolk A, Mittleman MA. Coffee consumption and risk of heart failure in men: an analysis from the Cohort of Swedish Men. *Am Heart J*. 2009;158(4):667-72. *Equal contributions
21. **Levitan EB**, Mittleman MA, Wolk A. Dietary glycaemic index, dietary glycaemic load and incidence of myocardial infarction in women. *Br J Nutr*. 2010;103(7):1049-55.
22. **Levitan EB**, Mittleman MA, Wolk A. Dietary glycemic index, dietary glycemic load, and incidence of heart failure events: a prospective study of middle-aged and elderly women. *J Am Coll Nutr*. 2010;29:65-71.
23. Kaluza J, Orsini N, **Levitan EB**, Brzozowska A, Roszkowski W, Wolk A. Dietary calcium and magnesium intake and mortality: a prospective study of men. *Am J Epidemiol*. 2010;171(7):801-7.
24. **Levitan EB**, Wolk A, Mittleman MA. Fatty fish, marine omega-3 fatty acids, and incidence of heart failure. *Eur J Clin Nutr*. 2010;64(6):587-94.
25. Mostofsky E, **Levitan EB**, Wolk A, Mittleman MA. Chocolate intake and incidence of heart failure: a population-based prospective study of middle-aged and elderly women. *Circ Heart Fail*. 2010;3(5):612-6.
26. Rautiainen S, Åkesson A, **Levitan EB**, Morgenstern R, Mittleman MA, Wolk A. Multivitamin use and the risk of myocardial infarction—a population-based cohort of Swedish women. *Am J Clin Nutr*. 2010;92(5):1251-6.
27. Carson AP, Fox CS, McGuire DK, **Levitan EB**, Laclaustra M, Mann DM, Muntner P. Low hemoglobin A1c and risk of all-cause mortality among U.S. adults without diabetes. *Circ Cardiovasc Qual Outcomes*. 2010;3(6):661-667.

28. Mujib M, Desai R, **Levitan EB**, Howard V, Howard G, McGwin G, Ahmed A. Prospective population studies of incident heart failure without data on baseline left ventricular ejection fraction. *Arch Med Sci*. 2010;6(5):686-688.
29. Orlando C, **Levitan EB**, Mittleman MA, Steele RJ, Shrier I. The effect of rest days on injury rates. *Scand J Med Sci Sports*. 2011;21(6):e64-71.
30. Mostofsky E, Laier E, **Levitan EB**, Rosamond W, Schlaug G, Mittleman, MA. Physical activity and acute ischemic stroke onset: the Stroke Onset Study. *Am J Epidemiol*. 2011;3(5):612-6.
31. Koralkar R, Ambalavanan N, **Levitan EB**, McGwin G, Goldstein SL, Askenazi DJ. Acute kidney injury reduces survival in very low birth weight infant. *Pediatr Res*. 2011;69(4):354-358.
32. Muntner P, Woodward M, Carson AP, Judd SE, **Levitan EB**, Mann D, McClellan W, Warnock DG. Development and validation of a self-assessment tool for albuminuria: results from the REasons for Geographic And Racial Differences in Stroke (REGARDS) study. *Am J Kidney Dis*. 2011;58(2):196-205.
33. Carson AP, Howard G, Burke GL, Shea S, **Levitan EB**, Muntner P. Ethnic differences in hypertension incidence among middle-aged and older U. S. adults: the Multi-Ethnic Study of Atherosclerosis. *Hypertension*. 2011;57(6):1101-7.
34. **Levitan EB**, Mujib M, Feller MA, Jones LG, Sawyer P, Anker SD, Ahmed A. Self-reported teenage body size and heart failure in adults ≥ 65 years of age. *Int J Cardiol*. 2011;149(3):401-2.
35. Askenazi DJ, Koralkar R, **Levitan EB**, Goldstein SL, Devarajan P, Khandrika S, Mehta RL. Baseline values of candidate urine acute kidney injury (AKI) biomarkers vary by gestational age in premature infants. *Pediatr Res*. 2011;70(3):302-6.
36. **Levitan EB***, Ahmed HN*, Mittleman MA, Wolk A. Coffee consumption and incidence of heart failure in women. *Circ Heart Fail*. 2011; 4:414-418. *Equal contributions
37. Muntner P, Joyce C, **Levitan EB**, Holt E, Shimbo D, Webber L, Oparil S, Re R, Krousel-Wood M. Reproducibility of visit-to-visit variability of blood pressure measured as part of routine clinical care. *J Hypertens*. 2011;29:2332-8.
38. Blackburn J, **Levitan EB**, MacLennan P, Owsley C, McGwin G. A case-crossover study of risk factors for occupational eye injuries. *J Occup Environ Med*. 2012;54(1):42-7.
39. Inker LA, Tonelli M, Hemmelgarn BR, **Levitan EB**, Muntner P. Comparison of concurrent complications of chronic kidney disease by two risk categorization systems. *Am J Kidney Dis*. 2012;59(3):372-81.
40. Rizk D, Gutierrez O, **Levitan EB**, McClellan WM, Safford M, Soliman EZ, Warnock DG, Muntner P. Prevalence and prognosis of unrecognized myocardial infarctions in chronic kidney disease. *Nephrol Dial Transplant*. 2012;27(9):3482-8.

41. Muntner P, **Levitan EB**, Reynolds K, Mann DM, Tonelli M, Oparil S, Shimbo D. Within-visit variability of blood pressure and all-cause and cardiovascular mortality among US adults. *J Clin Hypertens*. 2012;14(3):165-71.
42. Whang W, Shimbo D, **Levitan EB**, Newman JD, Rautaharju PM, Davidson KW, Muntner P. Relations between QRS/T angle, cardiac risk factors, and mortality in the Third National Health and Nutrition Examination Survey (NHANES III). *Am J Cardiol*. 2012;109(7):981-7.
43. **Levitan EB**, Wolk A, Håkansson N, Mittleman MA. Alpha-linolenic acid, linoleic acid, and heart failure in women. *Br J Nutr*. 2012;108:1300-1306.
44. Kravchenko J, Akushevich I, Sudenga SL, Wilson CM, **Levitan EB**, Shrestha S. Transitional probability-based models for HPV clearance in HIV-1-positive adolescent females. *PLoS ONE*. 2012; 7(1): e30736. DOI:10.1371/journal.pone.0030736.
45. Blackburn J, **Levitan EB**, MacLennan P, Owsley C, McGwin G, Jr. The epidemiology of chemical eye injuries. *Curr Eye Res*. 2012;37(9):787-93.
46. Mostofsky E, Rice MS, **Levitan EB**, Mittleman MA. Habitual coffee consumption and risk of heart failure: a dose-response meta-analysis. *Circ Heart Fail*. 2012;5(4):401-5..
47. **Levitan EB**, Kaciroti N, Oparil S, Julius, S, Muntner P. Blood pressure measurement device, number and timing of visits and intra-individual visit-to-visit variability of blood pressure. *J Clin Hypertens*. 2012;4(11):744-750.
48. Blackburn JL, **Levitan EB**, MacLennan PA, Owsley C, McGwin G Jr. Changes in eye protection behavior following an occupational eye injury. *Workplace Health Saf*. 2012;60(9):393-401.
49. Rautianen S, **Levitan EB**, Orsini N, Akesson A, Morgenstern R, Mittleman MA, Wolk A. Total antioxidant capacity of diet and risk of myocardial infarction: a prospective cohort of women. *Am J Med*. 2012;125(10):974-80.
50. Nguyen HT, Bertoni AG, Nettleton JA, Bluemke DA, **Levitan EB**, Burke GL. DASH eating pattern is associated with favorable left ventricular function in the Multi-Ethnic Study of Atherosclerosis. *J Am Coll Nutr*. 2012;31(6):401-407.
51. **Levitan EB**, Shikany JM, Ahmed A, Snetselaar LG, Martin LW, Curb JD, Lewis CE. Calcium, magnesium, and potassium intake and mortality in women with heart failure: The Women's Health Initiative. *Br J Nutr*. 2013;110:179-185.
52. Muntner P, **Levitan EB**, Joyce C, Holt E, Mann D, Oparil S, Krousel-Wood M. Association between antihypertensive medication adherence and visit-to-visit variability of blood pressure. *J Clin Hypertens*. 2013;15(2):112-7.
53. Shimbo D, **Levitan EB**, Booth JN, Calhoun DA, Lackland DT, Safford MM, Oparil S, Muntner P. The contributions of unhealthy lifestyle factors to apparent resistant hypertension: findings from the REasons for Geographic And Racial Differences in Stroke (REGARDS) study. *J Hypertens*. 2013;31(2):370-376.

54. Judd SE, Aaron KJ, Letter AJ, Muntner P, Jenny NS, Campbell RC, Kabagambe EK, **Levitan EB**, Levine DA, Shikany JM, Safford M, Lackland DT. High sodium:potassium intake ratio increases the risk for all-cause mortality: the Reasons for Geographic and Racial Differences in Stroke (REGARDS) study. *J Nutr Sci.* 2013;2:e13.
55. **Levitan EB**, Gamboa C, Safford MM, Rizk DV, Brown TM, Soliman EZ, Muntner P. Cardioprotective medication use and risk factor control among US adults with unrecognized myocardial infarction: The REasons for Geographic And Racial Differences in Stroke (REGARDS) Study. *Vasc Health Risk Manag.* 2013;9:47-55.
56. Krousel-Wood M, Joyce C, Holt EW, **Levitan EB**, Dornelles A, Webber LS, Muntner P. Development and evaluation of a self-report tool predicting low pharmacy refill adherence in elderly patients with uncontrolled hypertension. *Pharmacotherapy.* 2013;33(8):798-811.
57. Rautiainen S, **Levitan EB**, Mittleman MA, Wolk A. Total antioxidant capacity of diet and risk of heart failure: a population-based prospective cohort of women. *Am J Med.* 2013;126(6):494-500.
58. **Levitan EB**, Kaciroti N, Julius S, Oparil S, Muntner P. Relationships between metrics of visit-to-visit variability of blood pressure. *J Hum Hypertens.* 2013;27(10):589-93.
59. Muntner P, **Levitan EB**, Brown TM, Sharma P, Zhao H, Bittner V, Glasser S, Kilgore M, Yun H, Woolley M, Farkouh ME, Rosenson, RS. Trends in the prevalence, awareness, treatment and control of high LDL-cholesterol among US adults from 1999-2000 through 2009-2010. *Am J Cardiol.* 2013;112(5):664-70.
60. **Levitan EB**, Safford MM, Kilgore ML, Soliman EZ, Glasser SP, Judd SE, Muntner P. Assessment tools for unrecognized myocardial infarction: a cross-sectional analysis of the REasons for Geographic and Racial Differences in Stroke population. *BMC Cardiovasc Disord.* 2013; 13:23. DOI: 10.1186/1471-2261-13-23.
61. Vogtmann E, **Levitan EB**, Hale L, Shikany JM, Shah N, Endeshaw Y, Lewis CE, Manson JE, Chlebowski C. Association between sleep and breast cancer incidence among post-menopausal women in the Women's Health Initiative. *Sleep.* 2013;36(10):1437-1444.
62. Baber U, Gutierrez OM, **Levitan EB**, Warnock DG, Farkouh M, Tonelli M, Safford MM, Muntner P. Risk for recurrent coronary heart disease and all-cause mortality among individuals with chronic kidney disease compared with diabetes mellitus, metabolic syndrome, and cigarette smokers. *Am Heart J.* 2013;166(2):373-380.
63. Vogtmann E, Xiang YB, Li HL, **Levitan EB**, Yang G, Waterbor JW, Gao J, Cai H, Xie L, Wu QJ, Zhang B, Gao YT, Zheng W, Shu XO. Fruit and vegetable intake and the risk of colorectal cancer: results from the Shanghai Men's Health Study. *Cancer Causes Control.* 2013;24(11):1935-45.

64. **Levitan EB**, Lewis CE, Tinker LF, Eaton CB, Ahmed A, Manson JE, Snetselaar LG, Martin LW, Trevisan M, Howard BV, Shikany JM. Mediterranean and DASH diet scores and mortality in women with heart failure: The Women's Health Initiative. *Circ Heart Fail*. 2013; 6(6):1116-1123.
65. Vogtmann E, Xiang Y-B, Li H-L, Cai Q, Wu Q-J, Xie L, Li G-L, Yang G, Waterbor JW, **Levitan EB**, Zhang B, Zheng W, Shu XO. Cruciferous vegetables, glutathione S-transferase polymorphisms and the risk of colorectal cancer among Chinese men. *Ann Epidemiol*. 2014;24(1):44-9.
66. Ye S, Wang YC, Shimbo D, Newman JD, **Levitan EB**, Muntner P. Effect of change in systolic blood pressure between clinic visits on estimated 10-year cardiovascular disease risk. *J Am Soc Hypertens*. 2014;8(3):159-65.
67. Diaz KM, Muntner P, **Levitan EB**, Brown MD, Babbitt DM, Shimbo D. The effects of weight loss and salt reduction on visit-to-visit blood pressure variability: results from a multicenter randomized controlled trial. *J Hypertens*. 2014;32(4):840-8.
68. Muntner P, Colantonio LD, Cushman M, Goff DG, Howard G, Howard VJ, Kissela B, **Levitan EB**, Lloyd-Jones DM, Safford MM. Validation of the Atherosclerotic Cardiovascular Disease Pooled Cohort Risk Equations. *JAMA*. 2014;311(14):1406-15.
69. Griffin RL, Davis GG, **Levitan EB**, MacLennan PA, Redden DT, McGwin G. The effect of trauma care on the temporal distribution of homicide mortality in Jefferson County, Alabama. *Am Surg*. 2014;80(3):253-60.
70. Griffin RL, Davis GG, **Levitan EB**, MacLennan PA, Redden DT, McGwin G Jr. The effect of previous traumatic injury on homicide risk. *J Forensic Sci*. 2014;59(4):986-90.
71. Muntner P, **Levitan EB**, Lynch AI, Simpson LM, Whittle J, Davis BR, Kostis J, Whelton PK, Oparil S. Effect of chlorthalidone, amlodipine and lisinopril on visit-to-visit variability of blood pressure: Results from the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT). *J Clin Hypertens*. 2014;16(5):323-30.
72. **Levitan EB**, Tanner RM, Zhao H, Muntner P, Thacker EL, Howard G, Glasser SP, Bittner V, Farkouh ME, Rosenson RS, Safford MM. Secular changes in rates of coronary heart disease, fatal coronary heart disease, and out-of-hospital fatal coronary heart disease. *Int J Cardiol*. 2014; 174(2):436-439.
73. Thacker EL, Muntner P, Zhao H, Safford MM, Curtis JC, Delzell E, Bittner V, Brown TM, **Levitan EB**. Claims-based algorithms for identifying Medicare beneficiaries at high estimated risk for coronary heart disease events: a cross-sectional study. *BMC Health Serv Res*. 2014;14(1):195.
74. Shrier I, Raglin JS, **Levitan EB**, Mittleman MA, Steele RJ, Powell J. Procedures for assessing psychological predictors of injuries in circus artists: a pilot prospective study. *BMC Med Res Methodol*. 2014;14(1):77.

75. Harris JB, Siyambango M, **Levitan EB**, Maggard KR, Hatwiinda S, Foster EM, Chamot E, Kaunda K, Chileshe C, Henostroza G, Reid SE. Derivation of a tuberculosis screening rule for sub-Saharan African prisons. *Int J Tuberc Lung Dis.* 2014;18(7):774-80.
76. Booth JN, **Levitan EB**, Brown TM, Farkouh ME, Safford MM, Muntner P. Effect of sustaining lifestyle modifications (nonsmoking, weight reduction, physical activity, and mediterranean diet) after healing of myocardial infarction, percutaneous intervention, or coronary bypass (from the REasons for Geographic and Racial Differences in Stroke Study). *Am J Cardiol.* 2014; 113(12):1933-40.
77. Gamboa CM, Safford MM, **Levitan EB**, Mann DM, Yun H, Glasser SP, Woolley JM, Rosenson R, Farkouh M, Muntner P. Statin underuse and low prevalence of LDL-C control among U.S. adults at high risk of coronary heart disease. *Am J Med Sci.* 2014;348(2):108-14.
78. Carson AP, Tanner RM, Yun H, Glasser SP, Woolley JM, Thacker EL, **Levitan EB**, Farkouh ME, Rosenson RS, Brown TM, Howard G, Safford MM, Muntner P. Declines in coronary heart disease incidence and mortality among middle-aged adults with and without diabetes. *Ann Epidemiol.* 2014;24(8):581-7.
79. Muntner P, Yun H, Sharma P, Delzell E, Kent ST, Kilgore ML, Farkouh ME, Vupputuri S, Bittner V, Rosenson RS, **Levitan EB**, Safford MM. Ability of low antihypertensive medication adherence to predict statin discontinuation and low statin adherence in patients initiating treatment after a coronary event. *Am J Cardiol.* 2014;114(6):826-31.
80. Diaz KM, Tanner RM, Falzon L, **Levitan EB**, Reynolds K, Shimbo D, Muntner P. Visit-to-visit variability of blood pressure and cardiovascular disease and all-cause mortality: a systematic review and meta-analysis. *Hypertension.* 2014;64(5):965-82.
81. Buys DR, Howard VJ, McClure LA, Buys KC, Sawyer P, Allman R, **Levitan EB**. Neighborhood disadvantage is associated with hypertension prevalence and control in older adults: results from the University of Alabama at Birmingham (UAB) Study of Aging. *Am J Public Health.* 2015;105(6):1181-8.
82. Yun H, Xie F, Delzell E, Chen L, **Levitan EB**, Lewis JD, Saag KG, Beukelman T, Winthrop, K, Baddley JW, Curtis JR. Risk of hospitalised infection in rheumatoid arthritis patients receiving biologics following a previous infection while on treatment with anti-TNF therapy. *Ann Rheum Dis.* 2015;74(6):1065-71.
83. Wang HE, Donnelly JP, Shapiro NI, Hohmann SF, **Levitan EB**. Hospital variations in severe sepsis mortality. *Am J Med Qual.* 2015;30(4):328-36.
84. Vogtmann E, Yang G, Li HL, Wang J, Han LH, Wu QJ, Xie L, Cai Q, Li GL, Waterbor JW, **Levitan EB**, Zhang B, Gao YT, Zheng W, Xiang YB, Shu XO. Correlates of self-reported dietary cruciferous vegetable intake and urinary isothiocyanate from two cohorts in China. *Public Health Nutr.* 2015;18(7):1237-44.

85. Yun H, Xie F, Delzell E, Chen L, **Levitan EB**, Lewis JD, Saag KG, Beukelman T, Winthrop K, Baddley JW, Curtis JR. Risks of herpes zoster in patients with rheumatoid arthritis according to biologic disease modifying therapy. *Arthritis Care Res (Hoboken)*. 2015;65(3):270-7.
86. Rautiainen S, **Levitan EB**, Mittleman MA, Wolk A. Fruit and vegetable intake and rate of heart failure: a population-based prospective cohort of women. *Eur J Heart Fail*. 2015;17(1):20-6.
87. Rosenson RS, Kent ST, Brown TM, Farkouh ME, **Levitan EB**, Yun H, Sharma P, Safford MM, Kilgore M, Muntner P, Bittner V. Underutilization of high intensity statin therapy following hospitalization for coronary heart disease. *J Am Coll Cardiol*. 2015;65(3):270-7.
88. Yun H, Safford MM, Brown TM, Farkouh ME, Kent S, Sharma P, Kilgore M, Bittner V, Rosenson RS, Delzell E, Muntner P, **Levitan EB**. Statin use among Medicare beneficiaries following hospitalization with a secondary discharge diagnosis of acute myocardial infarction. *J Am Heart Assoc*. 2015;4:e001208. DOI: 10.1161/JAHA.114.001208
89. Dorans KS, Mostofsky E, **Levitan EB**, Håkansson N, Wolk A, Mittleman MA. Alcohol and incidence of heart failure among middle-aged and elderly men: the Cohort of Swedish Men. *Circ Heart Fail*. 2015;8:422-427.
90. **Levitan EB**, Olubowale OT, Gamboa CM, Rhodes JD, Brown TM, Muntner P, Deng L, Safford MM. Characteristics and prognosis of acute myocardial infarction by discharge diagnosis: the REasons for Geographic And Racial Differences in Stroke study. *Ann Epidemiol*. 2015;25:499-504.
91. Muntner P, Whittle J, Lynch AI, Colantonio LD, Simpson LM, Einhorn PT, **Levitan EB**, Whelton PK, Cushman WC, Louis GT, Davis BR, Oparil S. Visit-to-visit variability of blood pressure and coronary heart disease, stroke, heart failure and mortality: A cohort study. *Ann Intern Med*. 2015; 163(5):329-38.
92. Brown TM, Deng L, Becker DJ, Bittner V, **Levitan EB**, Rosenson RS, Safford MM, Muntner P. Trends in mortality and recurrent coronary heart disease events following an acute myocardial infarction among Medicare beneficiaries, 2001 – 2009. *Am Heart J*. 2015;170(2):249-255.
93. Kent S, Kilpatrick R, Kilgore ML, **Levitan EB**, Safford MM, Zhao H, Curtis JR, Muntner P. Optimal use of available claims to identify a Medicare population free of coronary heart disease. *Am J Epidemiol*. 2015;182(9):808-19.
94. Boehme AK, Pamboukian SV, George JF, Dillon C, **Levitan EB**, Griffin R, Beasley TM, McGwin G Jr, Kirklin JK, Limdi NA. Predictors of Thromboembolic Events in Patients with Ventricular Assist Device. *ASAIO J*. 2015;61(6):640-7.
95. Colantonio LD, Bittner V, Reynolds K, **Levitan EB**, Rosenson RS, Banach M, Kent ST, Derose SF, Zhou H, Safford MM, Muntner P. Association of serum lipids and coronary heart disease in contemporary observational studies. *Circulation*. 2016;133(3):256-64

96. Yun H, Xie F, Delzell E, **Levitan EB**, Chen L, Lewis JD, Saag KG, Beukelman T, Winthrop KL, Baddley JW, Curtis JR. Comparative risk of hospitalized infection associated with biological agents among Medicare rheumatoid arthritis patients. *Arthritis Rheumatol*. 2016;68(1):56-66.
97. Huisingh C, **Levitan EB**, Irvin MR, Owsley C and McGwin Jr G. Driving with pets and motor vehicle collision involvement among older drivers: A prospective population-based study. *Accid Anal Prev*. 2016;88:169-174.
98. Cespedes EM, Hu FB, Tinker L, Rosner B, Redline S, Garcia L, Hingle M, Van Horn L, Howard BV, **Levitan EB**, Li W, Manson JE, Phillips LS, Rhee JJ, Waring ME, Neuhouser ML. Multiple healthful dietary patterns and type 2 diabetes in the Women's Health Initiative. *Am J Epidemiol*. 2016;183(7):622-33.
99. Shimbo D, Bowling CB, **Levitan EB**, Deng L, Sim JJ, Huang L, Reynolds K, Muntner P. Short-term risk of serious fall injuries in older adults initiating and intensifying treatment with antihypertensive medication. *Circ Cardiovasc Qual Outcomes*. 2016;9(3):222-9.
100. Singleton CR, Baskin M, **Levitan EB**, Sen B, Affuso E, Affuso O. Farm-to-consumer retail outlet use, fruit and vegetable intake, and obesity status among WIC program participants in Alabama. *Am J Health Behav*. 2016;40(4):446-54.
101. **Levitan EB**, Muntner P, Chen L, Deng L, Kilgore ML, Becker D, Glasser SP, Safford MM, Howard G, Kilpatrick R, Rosenson RS. Burden of coronary heart disease rehospitalizations following acute myocardial infarction in older adults. *Cardiovasc Drugs Ther*. 2016; 30(2):323-31.
102. Kamel H, Kleindorfer DO, Bhave PD, Cushman M, **Levitan EB**, Howard G, Soliman EZ. Rates of atrial fibrillation in black versus white patients with pacemakers. *J Am Heart Assoc*. 2016;5(2). pii: e002492. DOI: 10.1161/JAHA.115.002492.
103. Wang HE, Donnelly JP, Griffin R, **Levitan EB**, Shapiro NI, Howard G, Safford MM. Derivation of novel risk prediction scores for community-acquired sepsis and severe sepsis. *Crit Care Med*. 2016; 44(7):1285-94.
104. Loop MS, Van Dyke MK, Chen L, Brown TM, Durant RW, Safford MM, **Levitan EB**. Comparison of length of stay, 30-day mortality, and 30-day readmission rates in Medicare patients with heart failure and with reduced versus preserved ejection fraction. *Am J Cardiol*. 2016; 118(1):79-85.
105. Zhang J, Xie F, Yun H, Chen L, Muntner P, **Levitan EB**, Safford MM, Kent ST, Osterman MT, Lewis JD, Saag K, Singh JA, Curtis JR. Comparative effects of biologics on cardiovascular risk among older patients with rheumatoid arthritis. *Ann Rheum Dis*. 2016; DOI: 10.1136/annrheumdis-2015-207870.
106. Huisingh C, **Levitan EB**, Sawyer P, Kennedy R, Brown C, McGwin G. Impact of driving cessation on trajectories of life-space scores among community-dwelling older adults. *J Appl Gerontol*. 2016; DOI: 10.1177/0733464816630637.
107. **Levitan EB**, Ahmed A, Arnett DK, Polak JF, Hundley WG, Bluemke DA, Heckbert SR, Jacobs DR, Nettleton JA. Mediterranean diet score and left

- ventricular structure and function: the Multi-Ethnic Study of Atherosclerosis. *Am J Clin Nutr.* 2016;104(3):595-602.
108. **Levitan EB**, Graham LA, Valle JA, Richman JS, Hollis R, Holcomb CN, Maddox TM, Hawn MT. Pre-operative echocardiography among patients with coronary artery disease in the United States Veterans Affairs healthcare system: A retrospective cohort study. *BMC Cardiovasc Disord.* 2016; DOI: 10.1186/s12872-016-0357-5.
 109. Mondesir FL, Brown TM, Muntner P, Durant RW, Carson AP, Safford MM, **Levitan EB**. Diabetes, diabetes severity and coronary heart disease risk equivalence: REasons for Geographic and Racial Differences in Stroke (REGARDS). *Am Heart J.* 2016; 181:43-51.
 110. Xie F, Colantonio LD, Curtis JR, Safford MM, **Levitan EB**, Howard G, Muntner P. Linkage of a population-based cohort with primary data collection to Medicare claims: The Reasons for Geographic and Racial Differences in Stroke (REGARDS) study. *Am J Epidemiol.* 2016;184(7):532-544.
 111. Guirgis FW, Donnelly JP, Dodani S, Howard G, Safford MM, **Levitan EB**, Wang HE. Cholesterol levels and long-term rates of community-acquired sepsis. *Crit Care.* 2016;20(1):408.
 112. Singleton CR, Baskin M, **Levitan EB**, Sen B, Affuso E, Affuso O. Perceived barriers and facilitators of farm-to-consumer retail outlet use among participants of the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) in Alabama. *J Hunger Environ Nutr.* 2017;12(2):237-250.
 113. Steinhaus D, Mostofsky E, **Levitan EB**, Dorans KS, Håkansson N, Wolk A, Mittleman MA. Chocolate intake and incidence of heart failure: findings from the Cohort of Swedish Men. *Am Heart J.* 2017;183:18-23.
 114. Loop MS, Howard G, de Los Campos G, Al-Hamdan MZ, Safford MM, **Levitan EB**, McClure LA. Heat maps of hypertension, diabetes mellitus, and smoking in the continental United States. *Circ Cardiovasc Qual Outcomes.* 2017;10(1). pii: e003350. DOI: 10.1161/CIRCOUTCOMES.116.003350.
 115. Mefford M, Safford MM, Muntner P, Durant RW, Brown TM, **Levitan EB**. Insurance, self-reported medication adherence and LDL cholesterol: The REasons for Geographic and Racial Differences in Stroke study. *Int J Cardiol.* 2017;236:462-465.
 116. Wang HE, Moore JX, Donnelly JP, **Levitan EB**, Safford MM. Risk of Acute Coronary Heart Disease After Sepsis Hospitalization in the REasons for Geographic and Racial Differences in Stroke Cohort. *Clin Infect Dis.* 2017. DOI: 10.1093/cid/cix248.
 117. Olubowale OT, Safford MM, Brown TM, Durant RW, Howard VJ, Gamboa C, Glasser SP, Rhodes JD, **Levitan EB**. Comparison of expert adjudicated coronary heart disease and cardiovascular disease mortality with the National Death Index: Results from the REasons for Geographic And Racial Differences in Stroke (REGARDS) study. *J Am Heart Assoc.* 2017. DOI: 10.1161/JAHA.116.004966

118. Huisinigh C, **Levitan EB**, Irvin MR, MacLennan P, Wadley V, Owsley C. Visual sensory and visual-cognitive function and rate of crash and near-crash involvement among older drivers using naturalistic driving data. *Invest Ophthalmol Vis Sci.* 2017; 58(7):2959-2967.
119. Boehme AK, Pamboukian SV, George JF, Beasley TM, Kirklin JK, Tallaj J, Dillon C, **Levitan EB**, Griffin R, McGwin G, Hillegass WB, Limdi NA. Anticoagulation control in patients with ventricular assist devices. *ASAIO J.* 2017. DOI: 10.1097/MAT.0000000000000592
120. Colantonio LD, Gamboa CM, Richman JS, **Levitan EB**, Soliman EZ, Howard G, Safford MM. Black-White Differences in Incident Fatal, Nonfatal and Total Coronary Heart Disease. *Circulation.* 2017;136:152-166.
121. Kent ST, Rosenson RS, Avery CL, Chen YI, Correa A, Cummings SR, Cupples LA, Cushman M, Evans DS, Gudnason V, Harris TB, Howard G, Irvin MR, Judd SE, Jukema JW, Lange L, **Levitan EB**, Li X, Liu Y, Post WS, Postmus I, Psaty BM, Rotter JI, Safford MM, Sitlani CM, Smith AV, Stewart JD, Trompet S, Sun F, Vasani RS, Woolley JM, Whitsel EA, Wiggins KL, Wilson JG, Muntner P. PCSK9 Loss-of-Function Variants, Low-Density Lipoprotein Cholesterol, and Risk of Coronary Heart Disease and Stroke: Data From 9 Studies of Blacks and Whites. *Circ Cardiovasc Genet.* 2017;10(4):e001632. DOI: 10.1161/CIRCGENETICS.116.001632.
122. **Levitan EB**, Van Dyke MK, Chen L, Durant RW, Brown TM, Rhodes JD, Olubowale O, Adegbola OM, Kilgore ML, Blackburn J, Albright KC, Safford MM. Medical therapy following hospitalization for heart failure with reduced ejection fraction and association with discharge to long-term care: a cross-sectional analysis of the REasons for Geographic And Racial Differences in Stroke (REGARDS) population. *BMC Cardiovasc Disord.* 2017; 17(1): 249. DOI: 10.1186/s12872-017-0682-3.
123. Booth JN, Colantonio LD, Chen L, Rosenson RS, Monda KL, Safford MM, Kilgore ML, Brown TM, Taylor B, Dent R, Muntner P, **Levitan EB**. Statin discontinuation, re-initiation, and persistence patterns among Medicare beneficiaries following myocardial infarction: a cohort study. *Circ Cardiovasc Qual Outcomes.* 2017;10:e003626; DOI: 10.1161/CIRCOUTCOMES.117.003626.
124. Johnson ER, Affuso O, **Levitan EB**, Carson TL, Baskin ML. Body image and dissatisfaction among rural Deep South African American women in a weight loss intervention. *J Health Psychol.* 2017;1359105317694489. DOI: 10.1177/1359105317694489.
125. **Levitan EB**, Van Dyke MK, Loop MS, O'Beirne R, Safford MM. Barriers to beta-blocker use and up-titration among patients with heart failure with reduced ejection fraction. *Cardiovasc Drugs Ther.* 2017; 31(5), 559-564.
126. Mefford MT, Rosenson RS, Cushman M, Farkouh ME, McClure LA, Wadley VG, Irvin MR, Bittner V, Safford MM, Somaratne R, Monda KL, Muntner P, **Levitan EB**. PCSK9 variants, LDL-cholesterol, and neurocognitive impairment:

- The REasons for Geographic And Racial Differences in Stroke (REGARDS) study. *Circulation*. 2018;137(12):1260-1269.
127. Curtis JR, Yang S, Singh JA, Xie F, Chen L, Yun H, Muntner P, Kent ST, **Levitan EB**, Safford MM, Saag KG, Zhang J. Is Rheumatoid Arthritis a Cardiovascular Risk Equivalent to Diabetes? *Arthritis Care Res (Hoboken)*. 2018; DOI: 10.1002/acr.23535.
 128. Singleton CR, Opoku-Agyeman W, Affuso E, Baskin ML, **Levitan EB**, Sen B, Affuso O. WIC cash value voucher redemption behavior in Jefferson County, Alabama, and its association with fruit and vegetable consumption. *Am J Health Promot*. 2018 Feb;32(2):325-333.
 129. Harrison TN, Hsu J-W Y, Rosenson RS, **Levitan EB**, Muntner P, Cheetham TC, Wei R, Scott RD, Reynolds K. Unmet Patient Need in Statin Intolerance: the Clinical Characteristics and Management. *Cardiovasc Drugs Ther*. 2018; DOI: 0.1007/s10557-018-6775-0.
 130. Donnelly JP, Lakkur S, Judd SE, **Levitan EB**, Griffin R, Howard G, Safford MM, Wang HE. Association of Neighborhood Socioeconomic Status With Risk of Infection and Sepsis. *Clin Infect Dis*. 2018; DOI: 10.1093/cid/cix1109.
 131. Loop MS, McClure LA, **Levitan EB**, Al-Hamdan MZ, Crosson WL, Safford MM. Fine particulate matter and incident coronary heart disease in the REGARDS cohort. *Am Heart J*. 2018;197:94-102.
 132. Xie F, Colantonio LD, Curtis JR, Kilgore ML, **Levitan EB**, Monda KL, Safford MM, Taylor B, Woodward M, Muntner P. Development of algorithms for identifying fatal cardiovascular disease in Medicare claims. *Pharmacoepidemiol Drug Saf*. 2018; DOI: 10.1002/pds.4421.
 133. Sterling MR, Durant RW, Bryan J, **Levitan EB**, Brown TM, Khodneva Y, Glasser SP, Richman JS, Howard G, Cushman M, Safford MM. N-terminal pro-B-type natriuretic peptide and microsize myocardial infarction risk in the reasons for geographic and racial differences in stroke study. *BMC Cardiovasc Disord*. 2018;18(1):66. DOI: 10.1186/s12872-018-0806-4.
 134. Goyal P, Loop M, Chen L, Brown TM, Durant RW, Safford MM, **Levitan EB**. Causes and Temporal Patterns of 30-day Readmission Among Older Adults Hospitalized with Heart Failure with Preserved Ejection Fraction and Heart Failure with Reduced Ejection Fraction. *J Am Heart Assoc*. 2018;7(9). DOI: 10.1161/JAHA.117.007785.
 135. Huisinigh C, Owsley C, Wadley VG, **Levitan EB**, Irvin MR, MacLennan P, McGwin G Jr. General cognitive impairment as a risk factor for motor vehicle collision involvement: a prospective population-based study. *Geriatrics (Basel)*. 2018;3(1). DOI: 10.3390/geriatrics3010011.
 136. Huisinigh C, Owsley C, **Levitan EB**, Irvin MR, MacLennan P and McGwin G. Distracted Driving and Risk of Crash or Near-crash Involvement among Older Drivers using Naturalistic Driving Data with a Case-crossover Study Design. *J Gerontol A Biol Sci Med Sci*. 2018. DOI: 10.1093/gerona/gly119.

137. Booth JN, Colantonio LD, Rosenson RS, Safford MM, Chen L, Kilgore ML, Brown TM, Taylor B, Dent R, Monda KL, Muntner P, **Levitan EB**. Healthcare Utilization and Statin Re-Initiation Among Medicare Beneficiaries With a History of Myocardial Infarction. *J Am Heart Assoc*. 2018;7. DOI: 10.1161/JAHA.117.008462.
138. Mondesir FL, Carson AP, Durant RW, Lewis MW, Safford MM, **Levitan EB**. Association of functional and structural social support with medication adherence among individuals treated for coronary heart disease risk factors: Findings from the REasons for Geographic and Racial Differences in Stroke (REGARDS) study. *PLoS One*. 2018;13:e0198578.
139. Colantonio LD, Booth JN, Bress AP, Whelton PK, Shimbo D, **Levitan EB**, Howard G, Safford MM, Muntner P. 2017 ACC/AHA blood pressure treatment guideline recommendations and cardiovascular risk. *J Am Coll Cardiol*. 2018;72:1187-1197.
140. Xie F, Yun H, **Levitan EB**, Muntner P, Curtis JR. Tocilizumab and the risk for cardiovascular disease: a direct comparison among biologic disease-modifying antirheumatic drugs for rheumatoid arthritis patients. *Arthritis Care Res*. 2018. DOI: 10.1002/acr.23737.
141. Colantonio LD, **Levitan EB**, Yun H, Kilgore ML, Rhodes JD, Howard G, Safford MM, Muntner P. Use of Medicare Claims Data for the Identification of Myocardial Infarction: The Reasons for Geographic And Racial Differences in Stroke (REGARDS) Study. *Med Care*. 2018;56(12):1051-1059.
142. Wang HE, Donnelly JP, Yende S, **Levitan EB**, Shapiro NI, Dai Y, Zhao H, Heiss G, Odden M, Newman A, Safford M. Validation of the REGARDS Severe Sepsis Risk Score. *J Clin Med*. 2018 Dec 11;7(12). pii: E536. DOI: 10.3390/jcm7120536.
143. Lo AX, Donnelly JP, Durant R, Collins SP, **Levitan EB**, Storrow AB, Bittner V. A National Study of U.S. Emergency Departments: Racial Disparities in Hospitalizations for Heart Failure. *Am J Prev Med*. 2018;55(5):S31-S39.
144. Sterling MR, Jannat-Khah D, Bryan J, Banerjee S, McClure LA, Wadley VG, Unverzagt FW, **Levitan EB**, Goyal P, Peterson JC, Manly JJ, Levine DA, Safford MM. The Prevalence of Cognitive Impairment Among Adults with Incident Heart Failure: The REasons for Geographic and Racial Differences in Stroke (REGARDS) Study. *J Card Fail*. 2019 Feb;25(2):130-136.
145. Loop MS, Van Dyke MK, Chen L, Safford MM, Kilgore ML, Brown TM, Durant RW, **Levitan EB**. Low utilization of beta blockers among Medicare beneficiaries hospitalized for heart failure with reduced ejection fraction. *J Card Fail*. 2019;25(5):343-351.
146. Bress AP, Colantonio LD, Cooper R, Kramer H, Booth JN III, Odden MC, Bibbins-Domingo K, Shimbo D, Whelton PK, **Levitan EB**, Howard G, Bellows BK, Kleindorfer D, Safford MM, Muntner P, Moran AE. Potential cardiovascular disease events prevented with adoption of the 2017 American College of

- Cardiology/American Heart Association blood pressure guideline. *Circulation*. 2019;139(1):24-36.
147. Chen ML, Parikh NS, Merkle AE, Kleindorfer DO, Bhave PD, **Levitan EB**, Soliman EZ, Kamel H. Risk of Atrial Fibrillation in Black Versus White Medicare Beneficiaries With Implanted Cardiac Devices. *J Am Heart Assoc*. 2019;8(4):e010661. DOI: 10.1161/JAHA.118.010661.
 148. Wright NC, Melton ME, Sohail M, Herbey I, Davies S, **Levitan EB**, Saag KG, Ivankova NV. Race Plays a Role in the Knowledge, Attitudes, and Beliefs of Women with Osteoporosis. *J Racial Ethn Health Disparities*. 2019. DOI: 10.1007/s40615-019-00569-w.
 149. Mefford MT, Sephel A, Van Dyke MK, Chen L, Durant RW, Brown TM, Fifolt M, Maya J, Goyal P, Safford MM, **Levitan EB**. Medication-taking Behaviors and Perceptions Among Adults with Heart Failure (From the REasons for Geographic And Racial Differences in Stroke [REGARDS] Study). *Am J Cardiol*. 2019;123(10):1667-1674.
 150. Lara KM, **Levitan EB**, Gutierrez OM, Shikany JM, Safford MM, Judd SE, Rosenson RS. Dietary Patterns and Incident Heart Failure in US Adults Without Known Coronary Disease. *J Am Coll Cardiol*. 2019. 2019;73(16):2036-2045.
 151. Bailey LN, **Levitan EB**, Judd SE, Sterling MR, Goyal P, Cushman ME, Safford MM, Gutierrez OM. Association of urine albumin excretion with incident heart failure hospitalization in community-dwelling adults. *JACC Heart Fail*. 2019;7(5):394-401.
 152. Davis BH, Boehme AK, Pamboukian SV, Allon M, George JF, Dillon C, Kirklín JK, Tallaj J, **Levitan EB**, Griffin R, McGwin G Jr, Beasley TM, Limdi NA. Improvement in Kidney Function After Ventricular Assist Device Implantation and Its Influence on Thromboembolism, Hemorrhage, and Mortality. *ASAIO J*. 2019. DOI: 10.1097/MAT.0000000000000989.
 153. Patel N, Gutiérrez OM, Arora G, Howard G, Howard VJ, Judd SE, Prabhu SD, **Levitan EB**, Cushman M, Arora P. Race-based demographic, anthropometric and clinical correlates of N-terminal-pro B-type natriuretic peptide. *Int J Cardiol*. 2019 Feb 21. pii: S0167-5273(18)36752-4. DOI: 10.1016/j.ijcard.2019.02.034.
 154. Almarzooq ZI, Colantonio LD, Okin PM, Richman JS, Brown TM, **Levitan EB**, Bryan J, Safford MM. Risk Factors for 'Microsize' versus usual Myocardial Infarctions in the REasons for Geographic and Racial Differences in Stroke (REGARDS) Study. *Eur Heart J Qual Care Clin Outcomes*. 2019. pii: qcz007. DOI: 10.1093/ehjqcco/qcz007.
 155. Mondesir FL, Kilgore ML, Shelley JP, **Levitan EB**, Huang L, Riggs KR, Pisu M, Li Y, Bronstein JM, Agne A, Cherrington AL. Medicaid Expansion and Hospitalization for Ambulatory Care-Sensitive Conditions Among Nonelderly Adults With Diabetes. *J Ambul Care Manag*. 2019;42(4):312-320.
 156. Yum B, Archambault A, **Levitan EB**, Dharamdasani T, Kneifati-Hayek J, Hanlon JT, Diaz I, Maurer MS, Lachs MS, Safford MM, Goyal P. Indications for β -

- Blocker Prescriptions in Heart Failure with Preserved Ejection Fraction. *J Am Geriatr Soc.* 2019;67(7):1461-1466.
157. Patel N, Cushman M, Gutiérrez OM, Howard G, Safford MM, Muntner P, Durant RW, Prabhu SD, Arora G, **Levitan EB**, Arora P. Racial differences in the association of NT-proBNP with risk of incident heart failure in REGARDS. *JCI Insight.* 2019; 4;5. DOI: 10.1172/jci.insight.129979.
 158. Bittner V, Colantonio LD, Dai Y, Mefford M, Rosenson RS, Muntner P, Monda KL, Kilgore ML, Jaeger BC, **Levitan EB**. Association of Region and Hospital and Patient Characteristics With Use of High-Intensity Statins After Myocardial Infarction Among Medicare Beneficiaries. *JAMA Cardiol.* 2019. DOI: 10.1001/jamacardio.2019.2481
 159. Mohanty AF, **Levitan EB**, Dodson JA, Vardeny O, King JB, LaFleur J, He T, Patterson OV, Alba PR, Russo PA, Choi ME, Bress AP. Characteristics and Healthcare Utilization Among Veterans Treated for Heart Failure With Reduced Ejection Fraction Who Switched to Sacubitril/Valsartan. *Circ Heart Fail.* 2019; 12:e005691. DOI: 10.1161/CIRCHEARTFAILURE.118.005691.
 160. Goyal P, Kneifati-Hayek J, Archambault A, Mehta K, **Levitan EB**, Chen L, Diaz I, Hollenberg J, Hanlon JT, Lachs MS, Maurer MS, Safford MM. Prescribing Patterns of Heart Failure-Exacerbating Medications Following a Heart Failure Hospitalization. *JACC Heart Fail.* 2019; pii: S2213-1779(19)30724-3. DOI: 10.1016/j.jchf.2019.08.007.
 161. Clark D 3rd, Colantonio LD, Min YI, Hall ME, Zhao H, Mentz RJ, Shimbo D, Ogedegbe G, Howard G, **Levitan EB**, Jones DW, Correa A, Muntner P. Population-Attributable Risk for Cardiovascular Disease Associated With Hypertension in Black Adults. *JAMA Cardiol.* 2019. DOI: 10.1001/jamacardio.2019.3773.
 162. Sohail M, Rastegar J, Long D, Rana A, **Levitan EB**, Reed-Pickens H, Batey DS, Ross-Davis K, Gaddis K, Tarrant A, Parmar J, Raper JL, Mugavero MJ. Data for Care (D4C) Alabama: Clinic-Wide Risk Stratification With Enhanced Personal Contacts for Retention in HIV Care via the Alabama Quality Management Group. *J Acquir Immune Defic Syndr.* 2019;82 Suppl 3:S192-S198. DOI: 10.1097/QAI.0000000000002205.
 163. Mondesir FL, **Levitan EB**, Malla G, Mukerji R, Carson AP, Safford MM, Turan JM. Patient perspectives on factors influencing medication adherence among people with coronary heart disease (CHD) and CHD risk factors. *Patient Prefer Adherence.* 2019;13:2017-2027. DOI: 10.2147/PPA.S222176.
 164. Chaudhary NS, Bridges SL Jr, Saag KG, Rahn EJ, Curtis JR, Gaffo A, Limdi NA, **Levitan EB**, Singh JA, Colantonio LD, Howard G, Cushman M, Flaherty ML, Judd S, Irvin MR, Reynolds RJ. Severity of Hypertension Mediates the Association of Hyperuricemia With Stroke in the REGARDS Case Cohort Study. *Hypertension.* 2020;75(1):246-256.
 165. Graham LA, Malone EB, Richman JS, Carson AP, Affuso O, Knight SJ, **Levitan EB**. Association of food access, recreational opportunities, and natural amenities

- with engagement in the Veterans MOVE! weight-management program. *Obesity*. 2020;28(1):55-64. DOI: 10.1002/oby.22640
166. Hubbard D, Shrestha S, **Levitan EB**, Yun H. Human Papillomavirus Vaccination Schedule: Adherence Among Commercially Insured Adolescents and Young Adults in the United States, 2011-2017. *Am J Public Health*. 2020;110(3):385-390. DOI: 10.2105/AJPH.2019.305485.
167. Willig AL, Weibel AR, Westfall AO, **Levitan EB**, Crane HM, Buford TW, Burkholder GA, Willig JH, Blashill AJ, Moore RD, Mathews WC, Zinski A, Muhammad J, Geng EH, Napravnik S, Eron JJ, Rodriguez B, Bamman MM, Overton ET. Physical activity trends and metabolic health outcomes in people living with HIV in the US, 2008-2015. *Prog Cardiovasc Dis*. 2020;63(2):170-177. DOI: 10.1016/j.pcad.2020.02.005.
168. Kaluza J, **Levitan EB**, Michaëlsson K, Wolk A. Anti-inflammatory diet and risk of heart failure: two prospective cohort studies. *Eur J Heart Fail*. 2020;22(4):676-682. DOI: 10.1002/ejhf.1746. doi:10.1002/ejhf.1746
169. Sterling MR, Ringel JB, Pinheiro LC, Safford MM, **Levitan EB**, Phillips E, Brown TM, Goyal P. Social Determinants of Health and 90-Day Mortality After Hospitalization for Heart Failure in the REGARDS Study. *J Am Heart Assoc*. 2020;9(9):e014836. DOI: 10.1161/JAHA.119.014836.
170. Colantonio LD, Saag KG, Singh JA, Chen L, Reynolds RJ, Gaffo A, Plante TB, Curtis JR, Bridges SL Jr, **Levitan EB**, Chaudhary NS, Howard G, Safford MM, Muntner P, Irvin MR. Gout is associated with an increased risk for incident heart failure among older adults: the REasons for Geographic And Racial Differences in Stroke (REGARDS) cohort study. *Arthritis Res Ther*. 2020;22(1):86. DOI: 10.1186/s13075-020-02175-2.
171. Mefford MT, Goyal P, Howard G, Durant RW, Dunlap NE, Safford MM, Muntner P, **Levitan EB**. The association of hypertension, hypertension duration, and control with incident heart failure in black and white adults. *J Clin Hypertens (Greenwich)*. 2020;22(5):857-866. DOI: 10.1111/jch.13856.
172. Leavitt C, Zakai NA, Auer P, Cushman M, Lange EM, **Levitan EB**, Olson N, Thornton TA, Tracy RP, Wilson JG, Lange LA, Reiner AP, Raffield LM. Interferon gamma-induced protein 10 (IP-10) and cardiovascular disease in African Americans. *PLoS One*. 2020;15(4):e0231013. DOI: 10.1371/journal.pone.0231013.
173. Goyal P, Mefford MT, Chen L, Sterling MR, Durant RW, Safford MM, **Levitan EB**. Assembling and validating a heart failure-free cohort from the Reasons for Geographic and Racial Differences in Stroke (REGARDS) study. *BMC Med Res Methodol*. 2020;20(1):53. DOI: 10.1186/s12874-019-0890-x.
174. McDonald AM, Yang ES, Saag KG, **Levitan EB**, Wright NC, Fiveash JB, Rais-Bahrami S, Bhatia S. Osteoporosis screening using computed tomography for men with prostate cancer: results of a prospective study. *Arch Osteoporos*. 2020;15(1):32. DOI: 10.1007/s11657-020-0711-1.

175. Kamel H, Zhang C, Kleindorfer DO, **Levitan EB**, Howard VJ, Howard G, Soliman EZ, Johnston SC. Association of Black Race With Early Recurrence After Minor Ischemic Stroke or Transient Ischemic Attack: Secondary Analysis of the POINT Randomized Clinical Trial. *JAMA Neurol.* 2020;77(5):601-605. DOI: 10.1001/jamaneurol.2020.0010.
176. Loop MS, Van Dyke MK, Chen L, Brown TM, Durant RW, Safford MM, **Levitan EB**. Evidence-based beta blocker use associated with lower heart failure readmission and mortality, but not all-cause readmission, among Medicare beneficiaries hospitalized for heart failure with reduced ejection fraction. *PLoS One.* 2020;15:e0233161.
177. Pinheiro LC, Reshetnyak E, Sterling MR, **Levitan EB**, Safford MM, Goyal P. Multiple Vulnerabilities to Health Disparities and Incident Heart Failure Hospitalization in the REGARDS Study. *Circ Cardiovasc Qual Outcomes.* 2020;13(8):e006438. DOI:10.1161/CIRCOUTCOMES.119.006438
178. Ornstein KA, Roth DL, Huang J, **Levitan EB**, Rhodes JD, Fabius CD, Safford MM, Sheehan OC. Evaluation of Racial Disparities in Hospice Use and End-of-Life Treatment Intensity in the REGARDS Cohort. *JAMA Netw Open.* 2020;3(8):e2014639. DOI: 10.1001/jamanetworkopen.2020.14639.
179. Muntner P, Hardy ST, Fine LJ, Jaeger BC, Wozniak G, **Levitan EB**, Colantonio LD. Trends in Blood Pressure Control Among US Adults With Hypertension, 1999-2000 to 2017-2018. *JAMA.* 2020;324(12):1-12. DOI: 10.1001/jama.2020.14545.
180. Blackston JW, Safford MM, Mefford MT, Freeze E, Howard G, Howard VJ, Naftel DC, Brown TM, **Levitan EB**. Cardiovascular Disease Events and Mortality After Myocardial Infarction Among Black and White Adults: REGARDS Study. *Circ Cardiovasc Qual Outcomes.* 2020;13(12):e006683. DOI: 10.1161/CIRCOUTCOMES.
181. Almarzooq ZI, Colantonio LD, Okin PM, Richman JS, Brown TM, **Levitan EB**, Bryan J, Safford MM. Risk for cardiovascular events following 'microsize' versus usual myocardial infarctions. *Heart.* 2020. DOI: 10.1136/heartjnl-2020-317852.
182. Kamel H, Alwell K, Kissela BM, Sucharew HJ, Woo D, Flaherty M, Ferioli S, Demel SL, Moomaw CJ, Walsh K, Mackey J, Rios La Rosa Felipe L, Jasne A, Slavin S, Martini S, Adeoye O, Baig T, Chen ML, **Levitan EB**, Soliman EZ, Kleindorfer DO. Racial Differences in Atrial Cardiopathy Phenotypes in Ischemic Stroke Patients. *Neurology.* 2020. DOI: 10.1212/WNL.0000000000011197.
183. Magidson PD, Huang J, **Levitan EB**, Westfall AO, Sheehan OC, Roth DL. Prompt Outpatient Care For Older Adults Discharged From The Emergency Department Reduces Recidivism. *West J Emerg Med.* 2020;21(6):198-204. DOI: 10.5811/westjem.2020.8.47276.
184. Xie F, Chen L, Yun H, **Levitan EB**, Curtis JR. Benefits of Methotrexate Use on Cardiovascular Disease Risk among Rheumatoid Arthritis Patients Initiating Biologic Disease-Modifying Antirheumatic Drugs. *J Rheumatol.* 2020. DOI: 10.3899/jrheum.191326.

185. Unlu O, **Levitan EB**, Reshetnyak E, Kneifati-Hayek J, Diaz I, Archambault A, Chen L, Hanlon JT, Maurer MS, Safford MM, Lachs MS, Goyal P. Polypharmacy in Older Adults Hospitalized for Heart Failure. *Circ Heart Fail.* 2020;13(11):e006977. DOI: 10.1161/CIRCHEARTFAILURE.120.006977.
186. Presley CA, Mondesir FL, Juarez LD, Agne AA, Riggs KR, Li Y, Pisu M, **Levitan EB**, Bronstein JM, Cherrington AL. Social support and diabetes distress among adults with type 2 diabetes covered by Alabama Medicaid. *Diabet Med.* 2020 Dec 22:e14503. DOI: 10.1111/dme.14503.
187. Couch CA, Brooks MS, Shikany JM, Howard VJ, Howard G, Long DL, McClure LA, Manly JJ, Cushman M, Zakai NA, Pearson KE, **Levitan EB**, Judd SE. Correlates of a southern diet pattern in a national cohort study of blacks and whites: the REGARDS study. *Br J Nutr.* 2021 Feb 26:1-24. DOI: 10.1017/S0007114521000696.
188. Goyal P, Yum B, Navid P, Chen L, Kim DH, Roh J, Jaeger BC, **Levitan EB**. Frailty and Post-Hospitalization Outcomes in Patients with Heart Failure with Preserved Ejection Fraction. *Am J Cardiol.* 2021 Mar 2:S0002-9149(21)00194-6. DOI: 10.1016/j.amjcard.2021.02.019.
189. Goyal P, Balkan L, Ringel JB, Hummel SL, Sterling MR, Kim S, Arora P, Jackson EA, Brown TM, Shikany JM, Judd SE, Safford MM, **Levitan EB**. The Dietary Approaches to Stop Hypertension (DASH) Diet Pattern and Incident Heart Failure. *J Card Fail.* 2021 May;27(5):512-521.
190. Murthy SB, Zhang C, Diaz I, **Levitan EB**, Koton S, Bartz TM, DeRosa JT, Strobino K, Colantonio LD, Iadecola C, Safford MM, Howard VJ, Longstreth WT Jr, Gottesman RF, Sacco RL, Elkind MSV, Howard G, Kamel H. Association Between Intracerebral Hemorrhage and Subsequent Arterial Ischemic Events in Participants From 4 Population-Based Cohort Studies. *JAMA Neurol.* 2021 May 3:e210925. DOI: 10.1001/jamaneurol.2021.0925.

Other Publications

1. **Levitan EB**. *Glycemic control, carbohydrate quality, cardiovascular disease, and mortality* (Dissertation). Boston (MA): Harvard School of Public Health; 2006.
2. **Levitan EB**, Judd SE. Can Vitamin D supplementation improve physical function and quality of life in older patients with heart failure? *Circ Heart Fail.* 2010;3:183-184.
3. **Levitan EB**. Invited commentary: Dietary fiber, estradiol, and cholesterol. *Am J Epidemiol.* 2011;173(2):157-9.
4. Muntner P, **Levitan EB**. Visit-to-visit variability of blood pressure: current knowledge and future research directions. *Blood Press Monit.* 2013;18(4):232-8.
5. Poudel B, Loop MS, Brown TM, Durant RW, Safford MM, Goyal P, Chen L, **Levitan EB**. Patterns of Treatment in Patients with Heart Failure with Preserved

- Ejection Fraction: the REasons for Geographic And Racial Differences in Stroke Study. *bioRxiv*: 510370. 2019. DOI: 10.1101/510370.
6. Sohail M, **Levitan EB**, Rana AI, Heath SL, Rastegar J, Kempf MC, Long DM. Estimating the First 90 of the UNAIDS 90-90-90 Goal: A Review. *J Int Assoc Provid AIDS Care*. 2020 Jan-Dec;19:2325958220919290. DOI: 10.1177/2325958220919290.
 7. Oelsner EC, Allen NB, Ali T, Anugu P, Andrews H, Asaro A, Balte PP, Barr RG, Bertoni AG, Bon J, Boyle R, Chang AA, Chen G, Cole SA, Coresh J, Cornell E, Correa A, Couper D, Cushman M, Demmer RT, Elkind MSV, Folsom AR, Fretts AM, Gabriel KP, Gallo L, Gutierrez J, Han MK, Henderson JM, Howard VJ, Isasi CR, Jacobs DR, Judd SE, Mukaz DK, Kanaya AM, Kandula NR, Kaplan R, Krishnaswamy A, Kinney GL, Kucharska-Newton A, Lee JS, Lewis CE, Levine DA, **Levitan EB**, Levy B, Make B, Malloy K, Manly JJ, Meyer KA, Min Y-I, Moll M, Moore WC, Mauger D, Ortega VE, Palta P, Parker MM, Phipatanakul W, Post W, Psaty BM, Regan EA, Ring K, Roger VL, Rotter JI, Rundek T, Sacco RL, Schembri M, Schwartz DA, Seshadri S, Shikany JM, Sims M, Hinckley Stukovsky KD, Talavera GA, Tracy RP, Umans JG, Vasani RS, Watson K, Wenzel SE, Winters K, Woodruff PG, Xanthakis V, Zhang Y, Zhang Y. Collaborative Cohort of Cohorts for COVID-19 Research (C4R) Study: Study Design. *medRxiv*. 2021:2021.03.19.21253986. DOI: 10.1101/2021.03.19.21253986.

H-index (Scopus): 40

Citations (Scopus): >5,750