

EPI | LIFESTYLE 2025 POSTER SESSIONS
All poster sessions take place in Elite Hall A

Poster Session 1 Thursday, March 6 5:00 – 7:00 PM		
	MODERATED POSTER SESSIONS <i>(The moderated portion is from 5:30 – 6:30PM)</i>	POSTER NUMBERS
MP01	Nutrition and Diet 1 Moderator: Cheryl A. Anderson, PhD, MPH, FAHA	MP1-6
MP02	Hypertension Moderator: Lawrence J. Appel, MD, MPH, FAHA	MP7-12
MP03	Sleep Behavior and Sleep Disorders Moderator: Michael A. Grandner PhD MTR FAHA	MP13-18
MP04	Social Determinants of Health and Health Equity Moderator: Ling Tian	MP 19-24
POSTER SESSIONS		
PS01.01	Aging in Older Adults	1001-1015
PS01.02	Arrhythmia Sudden Death	1016 - 1023
PS01.03	Cardiometabolic Health and Disorders 1	1024-1041
PS01.04	Cardio-Oncology	1042-1045
PS01.05	Childhood and Youth	1046-1061 (1053 being presented Friday)
PS01.06	Covid 19, HIV and Other Infections	1062-1064
PS01.07	Health Services Research, Outcomes and Practice Improvement	2059, 1065-1079
PS01.08	Heart Failure	1080-1098
PS01.09	LGBTQ Health	1099-1101
PS01.10	Nutrition and Diet 1	1102-1116
PS01.11	Physical Activity and Sedentary Behavior 1	1117-1132
PS01.12	Pregnancy and Maternal and Fetal Health 1	1133-1142
PS01.13	Promoting and Measuring Health Behaviors	1143-1150
PS01.14	Subclinical Cardiovascular Disease	1151-1162
PS01.15	Women’s Health	1163-1176 (1172 being presented Friday)
Poster Session 2 Friday, March 7 5:00 – 7:00 PM		
	MODERATED POSTER SESSIONS <i>(The moderated portion is from 5:30 – 6:30PM)</i>	POSTER NUMBERS
5-7 PM	MODERATED POSTER SESSIONS	
MP05	Nutrition and Diet 2 Moderator: Suzanne E. Judd, PhD	MP25 - 30
MP06	Cardiometabolic Health and Disorders	MP31- 36

	Moderator: Pamela L. Lutsey, PhD, MPH	
MP07	Diabetes Moderator: Elizabeth Selvin, PhD, MPH, FAHA	MP37- 42
MP08	Biomarkers Moderator: Casey M. Rebholz, PhD, MS, MNSP, MPH	MP43- 48
MP09	NHLBI posters (Part of a Satellite event – posters not listed below) Moderator: James Pankow, PhD, MPH	MP49-54
POSTER SESSIONS		
PS02.01	Cardiometabolic Risk Prediction 1	2001-2010
PS02.02	Clinical Trials and Intervention Studies	2011-2018
PS02.03	Drugs, Alcohol and Tobacco Use	2019-2025
PS02.04	Environmental Exposures	2026-2035
PS02.05	Global Health	2036-2041
PS02.06	Health Equity and Social Justice 1	2042-2053
PS02.07	Implementation Science	2054-2057
PS02.08	Hypertension 1	2058-2071 (2059 presented Thursday)
PS02.09	Lipids & Lipoproteins	2072-2083
PS02.10	Myocardial Infarction	2084-2090
PS02.11	Neurocognition and Brain Health	2091-2101
PS02.12	Omics (Genetic)	2102-2105
PS02.13	Omics (Non-Genetic)	2106-2113
PS02.14	Peripheral Artery Disease and Venous Thrombosis	2114-2115
PS02.15	Physical Activity and Sedentary Behavior 2	2116-2131
PS02.16	Physical Functioning and Quality of Life	2132-2136
PS02.17	Pregnancy and Maternal and Fetal Health 2	1053, 1172, 2137-2146
PS02.18	Sleep Behavior and Sleep Disorders	2147-2155
PS02.19	Social Determinants 1	2156-2163
PS02.20	Surveillance	2168-2170
Poster Session 3 Saturday, March 8 5:00 – 7:00 PM		
	MODERATED POSTER SESSIONS <i>(The moderated portion is from 5:30 – 6:30PM)</i>	POSTER NUMBERS
5-7 PM	MODERATED POSTER SESSIONS	
MP10	Global Health Moderator: Randi Foraker, PhD, MA, FAHA, FAMIA, FACMI	MP55-60
MP11	Women's and Maternal Health Moderator: Sylvia Badon, PhD	MP61 -66
MP12	Aging and Brain Health Moderator: Ganga Bey, PhD, MPH	MP67-72
MP13	Physical Activity Moderator: Bethany Barone Gibbs, PhD	MP73-78
POSTER SESSIONS		
PS03.01	Biomarkers	3001-3013

PS03.02	Cardiometabolic Health and Disorders 2	3014-3032
PS03.03	Cardiometabolic Risk Prediction 2	3033-3041
PS03.04	Diabetes	3042-3057
PS03.05	Health Equity and Social Justice 2	3058-3068
PS03.06	Hypertension 2	3069-3082
PS03.07	Methodology and Data Science	3083-3089
PS03.08	Mobile Health Technology and Wearables	3090-3096
PS03.09	Nutrition and Diet 2	3097-3110
PS03.10	Obesity and Adipose Tissue Distribution	3111-3122
PS03.11	Preventive Cardiology	3123-3134
PS03.12	Psychosocial Factors	3135-3144
PS03.13	Public Health	3145-3159
PS03.14	Social Determinants 2	3160-3171
PS03.15	Stroke	3172-3177

MODERATED POSTERS

Thursday, March 6, 2025

MP01. Nutrition and Diet 1

Poster Moderator: Cheryl A. Anderson, PhD, MPH, FAHA

MP01

Butter and Plant-Based Oils Intakes and Mortality in Three Large Prospective Cohorts of US Women and Men

Yu Zhang¹, Katia Chadaideh², Yanping Li⁷, Yuhan Li¹, Xiao Gu⁵, Yuxi Liu¹, Marta Guasch⁶, Eric Rimm¹, Frank B. Hu⁴, Walter Willett⁵, Meir J. Stampfer¹, Dong D. Wang³

¹Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, Massachusetts, United States, ²Channing Division of Network Medicine, Brigham and Women's Hospital and Harvard Medical School, Boston, Massachusetts, United States, ³Channing Division of Network Medicine, Brigham and Women's Hospital and Harvard Medical School, Boston, Massachusetts, United States, ⁴Department of Nutrition, Harvard T.H. Chan School of Public Health, Boston, Massachusetts, United States, ⁵Department of Nutrition, Harvard T.H. Chan School of Public Health, Boston, Massachusetts, United States, ⁶Section of Epidemiology, Dept of Public Health, University of Copenhagen, Copenhagen, Denmark, ⁷Massachusetts Veterans Epidemiology Research and Information Center, VA Boston Healthcare System, Boston, Massachusetts, United States

MP02

Associations of Fiber-Rich Dietary Patterns with the Gut Microbiome: Finding from the Baltimore Longitudinal Study of Aging

Yingan Chen¹, Toshiko Tanaka³, Curtis Tilves⁴, Chee Chia⁵, Noel T. Mueller²

¹Department of Epidemiology LEAD Center, University of Colorado, Denver, Colorado, United States, ²University of Colorado, Aurora, Colorado, United States, ³National Institute on Aging, DC, District of Columbia, United States, ⁴University of Colorado, Aurora, Colorado, United States, ⁵National Institute on Aging, Baltimore, Maryland, United States

MP03

Metabolite Signature of Ultra-processed Foods Intake and Cardiovascular Morbidity and Mortality Among Low-income Black and White Americans

Lei Wang¹, Martha Shrubsole¹, Qiuyin Cai², Deepak K. Gupta¹, Loren Lipworth¹, Xiao-Ou Shu¹, Danxia Yu¹

¹Vanderbilt University Medical Center, Nashville, Tennessee, United States, ²Vanderbilt University Medical Center, Nashville, Tennessee, United States

MP04

Association of Mediterranean Diet Score Components with Weight Loss: Findings from the MAINTAIN PRIME Study

Maribel Cedillo¹, Jesell Zepeda², Chaorong Wu¹, Polina Kukhareva¹, Anuhya Yalavarty¹, Bernadette Kiraly³, Michael Flynn¹, Kensaku Kawamoto¹, Margaret B. Conroy¹

¹University of Utah, Salt Lake, Utah, United States, ²University of Utah, Utah, Utah, United States, ³University of Utah, Salt Lake City, Utah, United States

MP05

Consuming Pecans as a Snack Improves Lipids/Lipoproteins Compared to Usual Diet in Adults at Increased Risk for Cardiometabolic Diseases: A Randomized Controlled Trial

Tricia Hart¹, Penny M. Kris-Etherton², Kristina Petersen³

¹Pennsylvania State University, University Park, Pennsylvania, United States, ²PENNSYLVANIA STATE UNIV, State College, Pennsylvania, United States, ³Penn State University, University Park, Pennsylvania, United States

MP02. Hypertension

Poster Moderator: Lawrence J. Appel, MD, MPH, FAHA

MP07

Derivations of Supine and Standing Blood Pressure and Their Associations with Adverse Cardiovascular and Hypotension-Related Events

Manfred Mate-Kole¹, Ruth-Alma N. Turkson-Ocran², Fredrick Larbi², Hannah Col², Md Marufuzzaman Khan², Long H. Ngo³, Lynne E. Wagenknecht⁴, B Gwen Windham⁵, Elizabeth Selvin⁶, Pamela L. Lutsey⁷, Stephen P. Juraschek⁸

¹General Medicine, Beth Israel Deaconess Medical Ctr, Brookline, Massachusetts, United States, ²Beth Israel Deaconess Medical Ctr, Boston, Massachusetts, United States, ³Harvard Medical School, Boston, Massachusetts, United States, ⁴WAKE FOREST UNIV, Winston Salem, North Carolina, United States, ⁵UMMC, The MIND Center, Jackson, Mississippi, United States, ⁶JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, United States, ⁷University of Minnesota, Minneapolis, Minnesota, United States, ⁸BIDMC-Harvard Medical School, Boston, Massachusetts, United States

MP08

The Association of Urinary Sodium with Incident Apparent Treatment Resistant Hypertension among African Americans: Findings from The Jackson Heart Study

Olutobi A. Sanuade¹, Daniel Addo², Justin Smith³, Allison J. Carroll⁴, Daichi Shimbo⁵, Sameer Talegawkar¹⁰, Katherine L. Tucker⁶, Joshua Jacobs⁷, Catherine G. Derington⁹, Adam P. Bress⁸

¹Population Health Sciences, University of Utah, Magna, Utah, United States, ²University of Utah, Salt Lake City, Utah, United States, ³University of Utah, Salt Lake City, Utah, United States, ⁴Northwestern University Feinberg Sc, Chicago, Illinois, United States, ⁵COLUMBIA UNIVERSITY, New York, New York, United States, ⁶UNIVERSITY OF MASSACHUSETTS LOWELL, Lowell, Massachusetts, United States, ⁷University of Utah, Salt Lake City, Utah, United States, ⁸UNIVERSITY OF UTAH, Salt Lake

City, Utah, United States, ⁹University of Colorado, Boulder, Colorado, United States, ¹⁰George Washington University, Washington, D.C., Washington, United States

MP09

Number of incident cardiovascular disease events and deaths prevented among Black adults by achieving blood pressure equity with White adults in the US.

Shakia Hardy¹, Lei Huang², Lisandro D. Colantonio³, Oluwasegun P. Akinyelure⁴, Kathryn Foti⁵, Lama Ghazi⁶, Timothy B. Plante⁷, Monika M. Safford⁸, Paul Muntner⁹

¹Epidemiology, Univ of North Carolina Chapel Hill, Mebane, North Carolina, United States, ²Epidemiology, University of Alabama at Birmingham, Birmingham, Alabama, United States, ³UNIVERSITY OF ALABAMA AT BIRMINGHAM, Birmingham, Alabama, United States, ⁴University of Alabama at Birmingham, Birmingham, Alabama, United States, ⁵University of Alabama at Birmingham, Birmingham, Alabama, United States, ⁶University of Alabama at Birmingham, Birmingham, Alabama, United States, ⁷University of Vermont, Colchester, Vermont, United States, ⁸WEILL CORNELL MEDICINE, New York, New York, United States, ⁹Perisphere Real World Evidence, Austin, Texas, United States

MP10

Using Target Trials and Machine Learning to Estimate Heterogeneous Treatment Effects of First-Line Antihypertensive Medications

Jingzhi Yu¹, Abel Kho², Lucia Petito³, Norrina B. Allen⁴

¹Northwestern University, Chicago, Illinois, United States, ²Northwestern University, Chicago, Illinois, United States, ³Northwestern University, Chicago, Illinois, United States, ⁴NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States

MP11

Association of fixed dose combination therapy use with blood pressure control and cardiovascular outcomes in the Systolic Blood Pressure Reduction Intervention (SPRINT) Trial: A post-hoc analysis

Shreya Rao¹, Matthew W. Segar², Anubha Agarwal³, Neil Keshvani⁴, Wanpen Vongpatanasin⁵, Priscilla Hsue⁹, Mark D. Huffman⁸, Thomas J. Wang⁶, Dorairaj Prabhakaran⁷, Ambarish Pandey⁶

¹UT Health San Antonio, San Antonio, Texas, United States, ²Texas Heart Institute, Houston, Texas, United States, ³Washington University in St. Louis, University City, Missouri, United States, ⁴University of Texas Southwestern, Dallas, Texas, United States, ⁵UNIVERSITY TX SOUTHWESTERN MED, Dallas, Texas, United States, ⁶UT SOUTHWESTERN MEDICAL CENTER, Dallas, Texas, United States, ⁷Centre for Chronic Disease Control, Delhi, India, ⁸Washington University in St. Louis, Saint Louis, Missouri, United States, ⁹UCSF, San Francisco, California, United States

MP12

Global Disparities of Hypertension Prevalence and Control: A Systematic Analysis of Population-Based Studies

Samantha O'Connell¹, Paul K. Whelton³, Hua He², Fengxue Li¹, Farah Allouch⁴, Lauren Shapiro¹, Megan Vandenburg¹, Mihir Patel¹, Akanksha Patel¹, Jiang He¹, Katherine T. Mills⁵

¹Tulane University, New Orleans, Louisiana, United States, ²Tulane University, New Orleans, Louisiana, United States, ³Tulane Univ School of Public, New Orleans, Louisiana, United States, ⁴Tulane University, New Orleans, Louisiana, United States, ⁵TULANE UNIVERSITY, New Orleans, Louisiana, United States

MP03. Sleep

Poster Moderator: Michael A. Grandner PhD MTR FAHA

MP13

Insomnia with Objective Short Sleep Duration is Associated with Hypertension in Adolescents

Axel Robinson², Kristina Lenker¹, Susan Calhoun¹, Alexandros Vgontzas¹, Duanping Liao¹, Edward O. Bixler¹, Steven Beltecas², Julio Fernandez-Mendoza¹

¹PENN STATE COLLEGE OF MEDICINE, Hershey, Pennsylvania, United States, ²Pelham Memorial High School, Pelham, New York, United States

MP14

Total dairy consumption is associated with healthy sleep patterns in US adults

Emma Guyonnet¹, Valentina Andreeva², Marie-Pierre St-Onge¹

¹COLUMBIA UNIVERSITY, New York, New York, United States, ²Sorbonne Paris Nord, Paris, France

MP15

Different Questions Lead to Different Answers: Comparing Different Survey Methods for Assessing Relationships between Sleep Duration and Cardiometabolic Health Risk Factors

Michael Grandner

University of Arizona, Tucson, Arizona, United States

MP17

Sex Disparities In Circadian Misalignment And Its Impact On Cardiovascular Health In Adolescents

Natasha Morales-Ghinaglia¹, Susan Calhoun¹, Jiangang Liao¹, Alexandros Vgontzas², Duanping Liao¹, Edward O. Bixler³, Julio Fernandez-Mendoza¹

¹PENN STATE COLLEGE OF MEDICINE, Hershey, Pennsylvania, United States, ²Penn State, Hershey, Pennsylvania, United States, ³Penn State University, Hershey, Pennsylvania, United States

MP18

Association of Sleep Duration with Cardiac Structure and Function in African Caribbeans: a preliminary report from the Tobago Heart Study

Adrianna Acevedo-Fontanez¹, Rain Katz², CLIFFORD THOMAS⁸, Deepak K. Gupta³, Ravinder R. Mallugari⁴, Victor Wheeler⁹, Sanjay R. Patel⁵, Iva Miljkovic⁶, Allison L. Kuipers⁷

¹University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ²University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ³VANDERBILT UNIVERSITY MEDICAL CTR, Nashville, Tennessee, United States, ⁴VANDERBILT UNIVERSITY MED CENTER, Nashville, Tennessee, United States, ⁵University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ⁶UNIVERSITY PITTSBURGH, Pittsburgh, Pennsylvania, United States, ⁷University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ⁸Premier Heart Care Ltd., Tobago, Trinidad and Tobago, ⁹Ministry of Health, Tobago, Trinidad and Tobago

MP04. Social Determinants of Health and Health Equity

Poster Moderator: Ling Tian

MP19

Indoor Radon Concentrations Are Associated With Incident Myocardial Infarction in the Women's Health Initiative

Sophie F. Buchheit³, Jason M. Collins⁸, James Stewart⁸, Mark Williamson¹, Daslyn Bozeman⁸, Matthew A. Allison², JoAnn Manson⁴, Jaymie R. Meliker⁵, Mara Vitolins⁶, Gary Schwartz⁷, Richard Smith⁸, Eric A. Whitsel⁹

¹University of North Dakota, Grand Forks, North Carolina, United States, ²University of California San Diego, La Jolla, California, United States, ³Brown University, Providence, Rhode Island, United States

States, ⁴Division of Preventative Medicine, Brigham and Women's Hospital, Boston, Massachusetts, United States, ⁵Department of Preventative Medicine, Stony Brook University, Stony Brook, New York, United States, ⁶Wake Forest School of Medicine, Winston-Salem, North Carolina, United States, ⁷Department of Population Health, University of North Dakota, Grand Forks, North Dakota, United States, ⁸Gillings School of Global Public Health, The University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ⁹University of North Carolina, Chapel Hill, North Carolina, United States

MP20

Evaluating Discrimination of Cardiovascular Disease Risk Prediction Models Among Diverse Socioeconomic Groups: the All of Us Cohort

Ashley Lewis², Adrian M. Bacong¹, Latha Palaniappan², Tina Hernandez-Boussard²

¹Medicine, Stanford University, Mountain View, California, United States, ²STANFORD UNIVERSITY, Stanford, California, United States

MP22

A Measurement Model of Socioeconomic Status and its Association with Cardiovascular Disease in the Hispanic Community Health Study/Study of Latinos

Christina Cordero¹, Emma Romaker², Marissa Kobayashi¹, Morgan Gianola³, Linda C. Gallo⁴, Carmen R. Isasi⁵, Krista Perreira⁶, Leonor Corsino⁷, Laura Zhou⁶, Maria Llabre⁸

¹University of Miami, Miami, Florida, United States, ²University of Miami, Miami, Florida, United States, ³University of Miami, Coral Gables, Florida, United States, ⁴San Diego State University, Chula Vista, California, United States, ⁵ALBERT EINSTEIN COLLEGE MEDICINE, Bronx, New York, United States, ⁶University of North Carolina School, Chapel Hill, North Carolina, United States, ⁷Duke School of Medicine, Durham, North Carolina, United States, ⁸University of Miami, Coral Gables, Florida, United States

MP23

Environmental Justice and Atherosclerotic Cardiovascular Disease Risk among Asian American, Native Hawaiian, and other Pacific Islander Subgroups: The PANACHE Study

Stacey Alexeeff¹, Rishi Parikh², Yihe Daida³, Andrew P. Ambrosy⁴, Thida Tan⁵, Joan C. Lo⁶, Connor K. Howick³, Alan S. Go⁷

¹Kaiser Permanente, Oakland, California, United States, ²KAISER PERMANENTE, Oakland, California, United States, ³Kaiser Permanente Hawaii, Honolulu, Hawaii, United States, ⁴Kaiser Permanente, San Francisco, California, United States, ⁵KPNC Division of Research, Pleasanton, California, United States, ⁶Kaiser Permanente Northern CA, Oakland, California, United States, ⁷KAISER PERMANENTE NORTHERN CAL, Pleasanton, California, United States

MP24

Socioeconomic Disparities in Cardiac Rehabilitation Perceptions and Delivery Mode Preferences: A Nationally Representative Survey Among Diverse Cardiac Patients.

Grace Patrice Anyetei-Anum¹, Helayna Abraham², Natalie Averkamp⁷, Matthew Johnson⁷, Ashton Krogman³, Donald Clark⁴, Melvin R. Echols⁵, Michael and Jo Alice E. Hall⁵, karen hodgman³, Brian Kaihoi⁶, Stephen L. Kopecky³, Shawn E. Leth³, Shaista Malik¹¹, Jill Marsteller¹³, Lena M. Mathews¹², Robert Scales⁸, Adam Shultz³, Bryan J. Taylor⁹, Phillip Schulte¹⁰, Randal J. Thomas³, Nathan D. Wong¹¹, Thomas P. Olson³, LaPrincess C. Brewer³

¹Mayo Clinic Alix School of Medicine, Rochester, Minnesota, United States, ²Department of Internal Medicine, Baylor Heart and Vascular Institute, Dallas, Texas, United States, ³Cardiovascular Medicine, Rochester, Minnesota, United States, ⁴University of Mississippi, Jackson, Mississippi, United States, ⁵Morehouse School of Medicine, Atlanta, Georgia, United States, ⁶Global Products and Services, Mayo Clinic, Rochester, Minnesota, United States, ⁷Quantitative Health Sciences, Mayo Clinic,

Rochester, Minnesota, United States, ⁸Cardiovascular Medicine, Mayo Clinic, Scottsdale, Arizona, United States, ⁹Cardiovascular Medicine, Mayo Clinic, Jacksonville, Florida, United States, ¹⁰Division of Clinical Trials and Biostatistics, Mayo Clinic, Rochester, Minnesota, United States, ¹¹Division of Cardiology, University of California, Irvine, California, United States, ¹²Johns Hopkins, Baltimore, Maryland, United States, ¹³Center for Health Services and Outcomes Research, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States

Friday, March 7, 2025

MP05. Nutrition and Diet 2

Poster Moderator: Suzanne E. Judd, PhD

MP25

The association between egg consumption, total serum cholesterol concentration, and cardiovascular disease incidence among American Indians: The Strong Heart Family Study

Weiyi Li¹, Amanda M. Fretts³, Jessica Reese⁴, Tauqeer Ali⁵, Jason G. Umans⁶, Shelley Cole⁷, Ying Zhang²
¹OUHSC, Oklahoma City, Oklahoma, United States, ²University of Oklahoma HSC, Edmond, Oklahoma, United States, ³University of Washington, Seattle, Washington, United States, ⁴University of Oklahoma-HSC, Oklahoma City, Oklahoma, United States, ⁵University of Oklahoma Health Sciences, Oklahoma City, Oklahoma, United States, ⁶MedStar Health Research Institute, BETHESDA, Maryland, United States, ⁷Texas Biomedical Research Institute, San Antonio, Texas, United States

MP26

Association of dietary calcium and magnesium intakes and their intake ratio with albuminuria in Japanese Adults

Keiko Kabasawa, Michihiro Hosojima, Ribeka Takachi, kazutoshi Nakamura, Junta Tanaka, Ichiei Narita, Yumi Ito
Niigata University, Niigata, Japan

MP27

Timing of Carbohydrate Intake and Cardiovascular Disease: The Hispanic Community Health Study/Study of Latinos (HCHS/SOL)

Yanbo Zhang¹, Sarah Alver¹, Brandilyn Peters-Samuels¹, Kai Luo¹, Yi Wang¹, Yasmin Mossavar-Rahmani¹, Xiaonan Xue¹, Bing Yu², Beibo Zhao³, Martha L. Daviglus⁴, Linda Van Horn⁵, Christina Cordero⁶, Emma Romaker⁶, Robert Kaplan¹, Qibin Qi¹
¹Albert Einstein College of Medicine, Bronx, New York, United States, ²The University of Texas Health Science Center, Houston, Texas, United States, ³University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ⁴University of Illinois Chicago, Chicago, Illinois, United States, ⁵Northwestern University, Chicago, Illinois, United States, ⁶University of Miami, Miami, Florida, United States

MP28

Healthy Eating for the Planet, Cardiovascular Health, and Longevity: An Observational Study

Jiaqi Yang, Valerie K. Sullivan, Casey M. Rebholz
Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States

MP29

Cardiovascular Health Effects of a Free-Sugar-Restricted Diet vs. a Usual Diet: A Randomized Clinical Trial in Adolescent Boys with MASLD

Liliana Aguayo¹, Scott Gillespie¹, Helaina Huneault¹, Cristian Sanchez-Torres¹, Jeffrey B. Schwimmer², Jean A. Welsh¹, Miriam B. Vos¹

¹Emory University, Atlanta, Georgia, United States, ²School of Medicine, UC San Diego, La Jolla, California, United States

MP30

Estimated Health Benefits, Costs, and Cost-Effectiveness of Eliminating Dietary Industrial Trans-fatty Acids in China

Liping Huang², Leopold Aminde³, Kathy Trieu², Zeng Ge⁴, Liz Drummond⁵, Laura Cobb⁵, Jason H. Wu², J. Lennert Veerman³, Matti Marklund¹

¹Johns Hopkins Bloomberg School of Public Health, Silver Spring, Maryland, United States, ²The George Institute for Global Health, Sydney, New South Wales, Australia, ³Griffith University, Gold Coast, Queensland, Australia, ⁴Resolve To Save Lives, Beijing, China, ⁵Resolve to Save Lives, New York, New York, United States

MP06. Cardiometabolic Health and Disorders

Poster Moderator: Pamela L. Lutsey, PhD, MPH

MP31

Association of Eicosanoid Metabolites with Insulin Resistance

Juhi K. Parekh², Mandana Chitsazan¹, Athar Roshandelpoor², Mona Alotaibi⁵, Mohit Jain⁵, Susan Cheng³, Jennifer E. Ho⁴

¹Beth Israel Deaconess Medical Center, Boston, Massachusetts, United States, ²Beth Israel Deaconess Medical Center, Boston, Massachusetts, United States, ³Cedars-Sinai Medical Center, Los Angeles, California, United States, ⁴Harvard Medical School, Newton, Massachusetts, United States, ⁵University of California San Diego, San Diego, California, United States

MP32

Cardiovascular Risk Factors and Predicted Risks Across Asian American, Native Hawaiian and other Pacific Islander Subgroups: The PANACHE Study

Rishi Parikh¹, Alan S. Go¹, Joan C. Lo¹, Andrew P. Ambrosy¹, Thida Tan¹, Stacey Alexeeff¹, Connor Howick², Yihe Daida²

¹Division of Research, Kaiser Permanente, Pleasanton, California, United States, ²Kaiser Permanente Hawaii, Honolulu, Hawaii, United States

MP33

Inflammatory proteomic signatures of metabolically unhealthy obesity

Cong Wang¹, Azam Yazdani¹, Olga Demler¹, Edward Giovannucci², Xuehong Zhang³, Aditi Hazra¹, Meryl LeBoff¹, Howard D. Sesso¹, JoAnn E. Manson¹, Deirdre K. Tobias¹

¹Brigham and Women's Hospital, Boston, Massachusetts, United States, ²Harvard School of Public Health, Boston, Massachusetts, United States, ³Yale School of Nursing, Orange, Connecticut, United States

MP34

Circulating Adipocyte-Derived Extracellular Vesicles Increase with Overweight and Obesity and are Associated Endothelial Dysfunction

Samuel T. Ruzzene¹, Vinicius Pacheco Garcia¹, Joao E. Izaias¹, Hannah K. Fandl¹, Auburn Berry¹, Jared Greiner¹, Brian Stauffer², Christopher Desouza¹

¹Department of Integrative Physiology, University of Colorado Boulder, Boulder, Colorado, United States, ²Denver Health Medical Center, Denver, Colorado, United States

MP35

Community Prevalence of the Cardiovascular-Kidney-Metabolic (CKM) Syndrome: The Dallas Heart Study

Khaled Shelbaya¹, Yinun Zeleke¹, Victoria Lamberson², Yimin Yang³, Colby Ayers⁴, Ian J. Neeland⁵, Anand Rohatgi⁶, Parag H. Joshi⁷, Amit Khera⁸, James A. de Lemos⁹, Amil M. Shah¹⁰

¹UT Southwestern Medical Center, Dallas, Texas, United States, ²UT Southwestern Medical Center, Yorktown, Virginia, United States, ³Brigham and Women's Hospital, Woodland, California, United States, ⁴UT Southwestern Medical Center, Dallas, Texas, United States, ⁵University Hospitals - Case Western, Cleveland, Ohio, United States, ⁶UT SOUTHWESTERN, Dallas, Texas, United States, ⁷UT Southwestern Medical Center, Dallas, Texas, United States, ⁸UT Southwestern, Dallas, Texas, United States, ⁹UT SOUTHWESTERN MEDICAL CTR, Dallas, Texas, United States, ¹⁰UT Southwestern Medical Center, Dallas, Texas, United States

MP36

Food and Nutrition Insecurity Impacts Cardiovascular Risk Factors Among Latina Women

Marcela D. Radtke¹, Lan Xiao¹, Wei-ting Chen², Michelle Hauser², Christopher D. Gardner³, Megan Lewis⁴, Patricia Rodriguez Espinosa¹, Elizabeth Venditti⁵, Lisa Goldman Rosas⁶

¹Epidemiology and Population Health, Stanford University, Palo alto, California, United States, ²Stanford University, Palo Alto, California, United States, ³STANFORD UNIVERSITY, Palo Alto, California, United States, ⁴RTI International, Seattle, Washington, United States, ⁵Dept. Psychiatry, Pittsburgh, Pennsylvania, United States, ⁶Stanford School of Medicine, Palo Alto, California, United States

MP07. Diabetes

Poster Moderator: Elizabeth Selvin, PhD, MPH, FAHA

MP37

Proteomics Of Prediabetes Progression And Remission: The Atherosclerosis Risk In Communities (ARIC) Study

Mary R. Rooney¹, Jingsha Chen¹, Keenan Walker², Justin B. Echouffo³, Christie M. Ballantyne⁴, Eric Boerwinkle⁵, Chiadi E. Ndumele⁶, Jim S. Pankow⁷, Morgan Grams⁸, Elizabeth Selvin⁹, Joe Coresh¹⁰

¹Johns Hopkins University, Baltimore, Maryland, United States, ²National Institute on Aging, Mount Airy, Maryland, United States, ³Johns Hopkins Hospital, Baltimore, Maryland, United States, ⁴BAYLOR COLLEGE MEDICINE, Houston, Texas, United States, ⁵UTHealth, Houston, Texas, United States, ⁶JOHNS HOPKINS HOSPITAL, Baltimore, Maryland, United States, ⁷UNIV MINNESOTA, Minneapolis, Minnesota, United States, ⁸New York University Grossman School of Medicine, New York, New York, United States, ⁹JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, United States, ¹⁰JOHNS HOPKINS SPH WELCH CENTER, Baltimore, Maryland, United States

MP38

The Implications of COVID-19 Pandemic for The Black-White Diabetes Mortality Gap: Has The Disparity's Dynamic Changed?

Alexander Sergeev

OHIO UNIVERSITY, Athens, Ohio, United States

MP39

Life Essential 8 Is Associated with A Lower Risk Of Progression To Type 2 Diabetes

Dragana Lovre², Yuanhao Zu¹, Yilin Yoshida³

¹Tulane University, New Orleans, Louisiana, United States, ²Endocrinology, Southeast Louisiana Veterans Health Care, New Orleans, Louisiana, United States, ³Tulane University, New Orleans, Louisiana, United States

MP40

Title: Investigating the link between hypoglycemia assessed by continuous glucose monitoring with cerebral small vessel disease

Emeka Ejimogu⁴, Michael Fang⁴, Natalie Daya Malek⁴, Justin B. Echouffo⁴, Priya Palta¹, Keenan Walker², B Gwen Windham³, Timothy M. Hughes⁷, James Pike⁵, Joe Coresh⁵, Rebecca F. Gottesman⁶, Elizabeth Selvin⁴

¹UNC Chapel Hill, Chapel Hill, North Carolina, United States, ²National Institute on Aging, Mount Airy, Maryland, United States, ³UMMC, The MIND Center, Jackson, Mississippi, United States, ⁴JOHNS HOPKINS SPH WELCH CENTER, Baltimore, Maryland, United States, ⁵New York University, New York, North Carolina, United States, ⁶NINDS, Bethesda, Maryland, United States, ⁷Wake Forest University, Winston-Salem, North Carolina, United States

MP42

Metabolomic signatures of carbohydrate quantity and quality in association with risk of type 2 diabetes

Xiaowen Wang¹, Pengfei Xia¹, Fenglei Wang¹, Zhiyuan Wu¹, Yang Hu¹, A Heather Eliassen¹, Oana Zeleznik², Shilpa Bhupathiraju¹, Seyed M. Mousavi¹, Walter Willett¹, Qi Sun¹

¹Department of Nutrition, Harvard T H Chan School of Public Health, Boston, Massachusetts, United States, ²Channing Division of Network Medicine, Department of Medicine, Brigham & Women's Hospital and Harvard Medical School, Boston, Massachusetts, United States

MP08. Biomarkers

Poster Moderator: Casey M. Rebholz, PhD, MS, MNSP, MPH

MP43

Proteomic Profiling of Pulmonary Function Decline and Cardiovascular Disease Risk from Two Cohort Studies

Yura Lee¹, Thomas Austin², Traci Bartz², Christine Ladd-Acosta³, Alanna C. Morrison¹, Kari E. North⁴, Eric Boerwinkle¹, Amil M. Shah⁵, Bruce M. Psaty⁶, Sina Gharib², Stephanie London⁷, Bing Yu¹

¹Epidemiology, The University of Texas Health Science Center at Houston, Houston, Texas, United States, ²University of Washington, Seattle, Washington, United States, ³Johns Hopkins University, Baltimore, Maryland, United States, ⁴UNC CHAPEL HILL, Chapel Hill, North Carolina, United States, ⁵UT Southwestern Medical Center, Dallas, Texas, United States, ⁶UNIVERSITY WASHINGTON, Shoreline, Washington, United States, ⁷NIEHS, Research Triangle Park, North Carolina, United States

MP44

Plasma Proteomic Signature Of BMI Reveals Heterogeneous Cardiometabolic Risk Profiles Within And Across Standard BMI Classifications

Kiani Jacobs¹, Eric Leszczynski¹, Jacob Barber², Prashant Rao², Michael Mi², Prasun K. Dev¹, Matthew Herzig², SUJOY GHOSH³, Clary Clish⁴, Claude Bouchard³, Jeremy Robbins², Robert E. Gerszten², Mark Sarzynski¹

¹Columbia, South Carolina, United States, ²Beth Israel Deaconess Medical Center, Boston, Massachusetts, United States, ³PENNINGTON BIOMEDICAL RESEARCH CTR, Baton Rouge, Louisiana, United States, ⁴Broad Institute of MIT and Harvard, Cambridge, Massachusetts, United States

MP45

Proton Pump Inhibitors Increase Pathobiont Species in the Gut Microbiome: Findings from the Baltimore Longitudinal Study of Aging

Bruno Bohn¹, Toshiko Tanaka², Curtis Tilves¹, Chee Chia², Noel T. Mueller¹

¹LEAD Center, University of Colorado Anschutz, Aurora, Colorado, United States, ²National Institute on Aging, Baltimore, Maryland, United States

MP46

Protein Supplementation Reduces Metabolic Risk Score for Mild Cognitive Impairment: Evidence from the Protein and Blood Pressure Study

Yixi Sun¹, Ruiyuan Zhang², Joshua D. Bundy³, Jing Chen⁴, Jiang He⁵, Tanika N. Kelly⁶, Changwei Li⁷

¹University of Illinois Chicago, Chicago, Illinois, United States, ²Tulane University, New Orleans, Louisiana, United States, ³Tulane University, New Orleans, Louisiana, United States, ⁴UT Southwestern Medical Center, Dallas, Texas, United States, ⁵UT Southwestern Medical Center, Dallas, Texas, United States, ⁶University of Illinois Chicago, Chicago, Illinois, United States, ⁷UT Southwestern Medical Center, Dallas, Texas, United States

MP47

Cardiovascular risk factors for dementia: Causal estimates on individual-level data

Jiao Luo, Ida Juul Rasmussen, Jesper Qvist Thomassen, Ruth Frikke-Schmidt

Copenhagen University Hospital, Copenhagen, Denmark

MP48

Null Causal Associations between Circulating Caffeine Levels and its Metabolites with Cardiac Function and Heart Failure

Guning Liu, Bing Yu, William B. Perkison

UNIV OF TX HEALTH SCI CTR HOUSTON, Houston, Texas, United States

Saturday, March 8, 2025

MP10. Global Health

Poster Moderator(s): Randi Foraker, PhD, MA, FAHA, FAMIA, FACMI

MP56

Ultra-Processed Food Intake is Cross-Sectionally Associated with the Displacement of the Traditional Diet of Costa Rican Adolescents

Kenny Mendoza², Rafael Monge-Rojas¹, Rulaman Vargas-Quesada¹, Josiemer Mattei²

¹Nutrition and Health Unit, Costa Rican Institute for Research and Education on Nutrition and Health (INCIENSA), Tres Ríos, Cartago, Costa Rica, ²Department of Nutrition, Harvard TH Chan School of Public Health, Boston, Massachusetts, United States

MP57

Associations Between Multiple Ectopic Adiposity Depots and Gait Speed in African Caribbean Men

Ryan Cvejkus², Joseph Zmuda², John Jeffrey Carr¹, James G. Terry¹, Sangeeta Nair¹, Nancy W. Glynn², Victor Wheeler³, Iva Miljkovic²

¹Vanderbilt, Nashville, Tennessee, United States, ²University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ³Tobago Health Study, Scarborough, Trinidad and Tobago

MP58

Left ventricular hypertrophy among Black adults in a low-income country: the Haiti Cardiovascular Disease Cohort Study

Anju Ogyu¹, Vanessa Rouzier³, Rodney Sufra³, Reichling St Sauveur³, Marie Christine Jean Pierre³, Joanna Q. Lin¹, Victor G. Davila-Roman⁴, Altaf Pirmohamed², Parag Goyal², Richard B. Devereux², Wheytnie Alexandre¹, Nour Mourra¹, Marie Marcelle Hippolyte³, Jean William Pape³, Margaret Mcnairy², Lily D. Yan²

¹Center for Global Health, Weill Cornell Medicine, New York, New York, United States, ²Weill Cornell Medicine, New York, New York, United States, ³GHEKIO Centre, Port au Prince, Haiti, ⁴WASHINGTON UNIVERSITY, Saint Louis, Missouri, United States

MP60

Associations between Chronic Stress, Resilience Factors and Cardiovascular Health among Young Adults in Puerto Rico

Milagros C. Rosal¹, Sharina PERSON², Catarina I. Kiefe³, Katherine Tucker⁴, Jose Rodriguez⁵, Miredys Sanchez⁵, Polaris Torres⁵, Claudia Boneu⁷, Christine Frisard⁶, Cynthia Perez⁷

¹UMASS CHAN MEDICAL SCHOOL, Worcester, Massachusetts, United States, ²UNIV OF MASSACHUSETTS MEDICAL SCH, Worcester, Massachusetts, United States, ³UNIV OF MASSACHUSETTS MEDICAL SCHOO, Sterling, Massachusetts, United States, ⁴UMass Lowell, Lowell, Massachusetts, United States, ⁵University of Puerto Rico, San Juan, Puerto Rico, United States, ⁶UMass Medical School, Worcester, Massachusetts, United States, ⁷University of Puerto Rico, San Juan, Puerto Rico

MP11. Women's and Maternal Health

Poster Moderator: Sylvia Badon, PhD

MP61

Early Pregnancy Mood is Associated with Postpartum Weight Retention in a Cohort of Californian Pregnant Women with Overweight and Obesity

Leigh Ann Simmons¹, Paige Gilliland¹, Jennifer E. Phipps¹, Sebastian Castro-Alvarez¹, Paige Smith¹, Phoebe Nicholas¹, Alina Patrikeyeva², Courtney Overstreet¹, Victoria F. Keeton³

¹University of California, Davis, Sacramento, California, United States, ²University of California Davis, Sacramento, California, United States, ³University of California, Davis, Sacramento, California, United States

MP62

Health Behaviors Among Nulliparas With Planned and Unplanned Pregnancies

Nadine Sunji¹, Melodee Liegl³, Amy Pan³, Ronald Anguzu², Anna Palatnik¹

¹Department of Obstetrics and Gynecology, Medical College of Wisconsin, Milwaukee, Wisconsin, United States, ²Medical College of Wisconsin, Milwaukee, Wisconsin, United States, ³Department of Pediatrics, Medical College of Wisconsin, Milwaukee, Wisconsin, United States

MP63

Associations of Salt intake With Risk of Hypertensive disorders of pregnancy in Women with and Without Calcium Supplementation

Tongtong Li, Chengwu Feng, Geng Zong

Metabolism and Food Safety, Shanghai Institute of Nutrition and Health, University of Chinese Academy of Sciences, Shanghai, China

MP64

PREVENT 30-Year CVD Risk During Pregnancy Is Associated With Inflammatory and Vascular Placental Pathology

Alexa Freedman¹, Sadiya S. Khan², Ellen Francis³, Lauren Keenan-Devlin⁴, Ann Borders⁴, Gregory Miller⁵, Linda Ernst⁶

¹Northwestern University, Chicago, Illinois, United States, ²Northwestern University, Oak Park, Illinois, United States, ³Biostatistics and Epidemiology, Rutgers University, Piscataway, New Jersey, United States, ⁴Obstetrics and Gynecology, Endeavor Health, Evanston, Illinois, United States, ⁵NORTHWESTERN UNIVERSITY, Evanston, Illinois, United States, ⁶Pathology and Laboratory Medicine, Endeavor Health, Evanston, Illinois, United States

MP65

Trends from Cumulative Social Risks and Hypertensive Disorders of Pregnancy among Pregnant Women from 2016 to 2021

Faith Metlock², Ketum Ateh Stanislas², Thomas Hinneh³, Garima Sharma¹, American conference²

¹Inova Fairfax Medical Campus, Falls Church, Virginia, United States, ²Johns Hopkins University, Baltimore, Maryland, United States, ³Johns Hopkins University, Baltimore, Maryland, United States

MP66

Sex Differences in the Association of Baseline and Longitudinal Changes in Cardiac Biomarkers with Risk of Heart Failure subtypes – a post-hoc analysis of the Look AHEAD trial

Zainali Chunawala¹, Lajjaben Patel¹, Neil Keshvani¹, Matthew W. Segar², Mark Espeland³, Christie M. Ballantyne⁴, James L. Januzzi⁵, Carolyn S. Lam⁶, Alain G. Bertoni³, Katelyn Garcia³, Thomas J. Wang¹, Antoni Bayes-Genis⁷, Ambarish Pandey¹

¹University of Texas Southwestern, Dallas, Texas, United States, ²Texas Heart Institute, Houston, Texas, United States, ³Wake Forest School of Medicine, Winston-Salem, North Carolina, United States, ⁴BAYLOR COLLEGE MEDICINE, Houston, Texas, United States, ⁵Massachusetts General Hospital, Wellesley Hills, Massachusetts, United States, ⁶NATIONAL HEART CENTRE SINGAPORE, Singapore, Singapore, ⁷HUGTiP, Badalona, Spain

MP12. Aging and Brain Health

Poster Moderator: Ganga Bey, PhD, MPH

MP67

Late-Life Physical Activity and Change in Cognitive Function and Risk of Dementia: The Atherosclerosis Risk in Communities Neurocognitive (ARIC-NCS) Study

Zhengyi Gu¹, James R. Pike², Jinyu Chen³, Jenna Barbee¹, Kelley P. Gabriel⁴, Alexandra Munson¹, Katherine Kartheiser¹, David Knopman⁵, Timothy M. Hughes⁶, Rebecca F. Gottesman⁷, B Gwen Windham⁸, A.R. Sharrett⁹, Pamela L. Lutsey¹⁰, Joe Coresh¹¹, Thomas Mosley¹², Priya Palta¹³

¹University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ²Johns Hopkins University, Chapel Hill, North Carolina, United States, ³UNC Chapel Hill, Chapel Hill, North Carolina, United States, ⁴UAB P-Cards, Birmingham, Alabama, United States, ⁵Mayo Clinic, Rochester, Minnesota, United States, ⁶Wake Forest University School of Medicine, Winston-Salem, North Carolina, United States, ⁷NINDS, Bethesda, Maryland, United States, ⁸UMMC, The MIND Center, Jackson, Mississippi, United States, ⁹JOHN HOPKINS UNIV, Baltimore, Maryland, United States, ¹⁰University of Minnesota, Minneapolis, Minnesota, United States, ¹¹JOHNS HOPKINS SPH WELCH CENTER, Baltimore, Maryland, United States, ¹²UNIV MS MEDICAL CTR, Jackson, Mississippi, United States, ¹³UNC Chapel Hill, Chapel Hill, North Carolina, United States

MP68

Mosaic Chromosomal Alterations, Frailty and Cardiovascular Disease Mortality: A Population-based Cohort Study Among Chinese Adults

Mingyu Song¹, Yuxuan Zhao¹, Yuting Han³, Jun Lv¹, Canqing YU², pei pei⁵, Ling Yang⁴, Iona Millwood⁴, Robin Walters⁴, Yiping Chen⁴, Huaidong Du⁴, Xiaoming Yang⁴, Junshi Chen⁶, Zhengming Chen⁴, Giulio Genovese⁷, Chikashi Terao⁸, Liming Li², Dianjianyi Sun²

¹Peking university, Beijing, China, China, ²Peking University, Beijing, China, ³Peking University, Beijing, China, ⁴Nuffield Dept of Population Health, Oxford, United Kingdom, ⁵Peking University Center for Public Health and Epidemic Preparedness & Response, Beijing, China, ⁶China National Center for Food Safety Risk Assessment, Beijing, China, ⁷Broad Institute of MIT and Harvard, Cambridge, Massachusetts, United States, ⁸RIKEN Center for Integrative Medical Sciences, Kanagawa, Japan

MP69

Nursing facility use and frailty index as indicators of reserve and resilience in adults with hospitalization for a cardiovascular event: The REasons for Geographic And Racial Differences in Stroke (REGARDS) study

ENE ENOGETA¹, Lisandro D. Colantonio², Emily B. Levitan³, Parag Goyal⁴, Madeline R. Sterling⁵, Monika M. Safford⁶, Ying Wen¹, Mojisola Fasokun¹, Barrett Bowling⁷

¹Epidemiology, University of Alabama at Birmingham, Birmingham, Alabama, United States, ²UNIVERSITY OF ALABAMA AT BIRMINGHAM, Birmingham, Alabama, United States, ³UNIVERSITY ALABAMA AT BIRMINGHAM, Birmingham, Alabama, United States, ⁴Weill Cornell Medicine, New York, New York, United States, ⁵Weill Cornell Medical College, New York, New York, United States, ⁶WEILL CORNELL MEDICINE, New York, New York, United States, ⁷Department of Medicine, Duke University, Durham, North Carolina, United States

MP70

The Burden of Protein-Energy Malnutrition Mortality in Older Adults by County, Race, and Ethnicity in the USA, 2000-19: A Systematic Analysis of Health Disparities

Juliana Teruel Camargo¹, Jessica Otero Machuca¹, Amanda Hinerman¹, Erik Rodriguez¹, Christian Alvarez Privado², Laura Dwyer-Lindgren⁴, Ali Mokdad⁴, George A. Mensah³, Eliseo J. Perez-Stable²
¹Bethesda, Maryland, United States, ²NIMHD,NIH, Bethesda, Maryland, United States, ³NIH, NHLBI, Bethesda, Maryland, United States, ⁴Institute for Health Metrics and Evaluation, Seattle, Washington, United States

MP71

Smoking and Biological Aging Acceleration Measured by Midlife Proteomic Aging Clocks: Insights from the Multi-Ethnic Study of Atherosclerosis (MESA)

Jeffrey R. Misialek¹, Shuo Wang¹, Anna Prizment¹, Sanaz Sedaghat¹, Weihua Guan¹, Peter Ganz², Rajat Deo³, Ruth F. Dubin⁵, Yongmei Liu⁴, Pamela L. Lutsey¹, Jim S. Pankow¹

¹University of Minnesota, Minneapolis, Minnesota, United States, ²Zuckerberg San Francisco General, Belvedere, California, United States, ³Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania, United States, ⁴Department of Medicine, Duke University, Durham, North Carolina, United States, ⁵Department of Internal Medicine, University of Texas Southwestern, Dallas, Texas, United States

MP72

Trajectories of Body Mass Index from Midlife to Late Life Preceding Incident Dementia: The Health and Retirement Study

Jingkai Wei¹, Yanan Zhang³, Ambar Kulshreshtha², Casey Crump¹

¹UTHealth Houston, Houston, Texas, United States, ²EMORY UNIVERSITY, Berkeley Lake, Georgia, United States, ³University of South Carolina, Columbia, Texas, United States

MP13. Physical Activity

Poster Moderator: Bethany Barone Gibbs, PhD

MP73

Long-Term Effects of Physical Activity, Sleep, and Screen-Time on Hypertension Incidence in Adolescents – ABCD Study

Augusto Cesar Ferreira De Moraes¹, Ethan T. Hunt¹, Denver Brown², Jacob Szeszulski³, Gabrielli De Mello³, Marcus Nascimento-Ferreira⁴

¹Health Promotion and Health Behavior, UTHealth Houston Sch Public Health, Austin, Texas, United States, ²Kinesiology, Kansas State University, Manhattan, Kansas, United States, ³Institute for Advancing Health Through Agriculture (IHA), Texas A&M AgriLife Research, Dallas, Texas, United States, ⁴Federal University of Tocantins, Miracema, Brazil

MP74

Physical Activity Patterns and Cardiovascular-Kidney-Metabolic (CKM) Syndrome: An All of US Research Program Study

Shanshan Song¹, Chelsea Akubo², Samuel Gledhill³, William Xiao³, India E. Washington³, Tiwaloluwa Ajibewa⁴, Oluwabunmi Ogungbe³

¹Johns Hopkins School of Medicine, Baltimore, Maryland, United States, ²Boston University, Boston, Massachusetts, United States, ³Johns Hopkins University, Baltimore, Maryland, United States, ⁴Northwestern University, Chicago, Illinois, United States

MP75

Novel Heart Failure Stages Incorporating Cardiorespiratory Fitness are Differentially Associated with Heart Failure Risk in the Community

Danielle Davis², Priya Gajjar¹, Matthew G. Naylor²

¹Boston University, Boston, Massachusetts, United States, ²Boston University Medical Center, Boston, Massachusetts, United States

MP76

Joint Associations of Physical Activity and Sedentary Behavior with Cardiovascular Disease Risk (Pooled Analysis of Six NHLBI Cohorts)

Francis Ryan Avenido¹, Zachary C. Pope², Christine Prissel¹, Nathan R. Mitchell¹, Mahesh Mathew¹, Pamela Schreiner¹, David R. Jacobs¹, Lin Y. Chen³, Susan R. Heckbert⁴, Elsayed Z. Soliman⁵, Donald M. Lloyd-Jones⁶, Kelley P. Gabriel⁷, David S. Siscovick⁸, Bruce M. Psaty⁴, Phyllis Stein⁹, Mercedes R. Carnethon⁶, Daniel Levy¹⁰, Mark Pereira¹

¹Division of Epidemiology and Community Health, University of Minnesota School of Public Health, Minneapolis, Minnesota, United States, ²University of Oklahoma Health Sciences, Oklahoma City, Oklahoma, United States, ³School of Medicine, University of Minnesota, Minneapolis, Minnesota, United States, ⁴Cardiovascular Health Research Unit, Departments of Medicine and Epidemiology, University of Washington, Seattle, Washington, United States, ⁵Department of Medicine, Wake Forest University School of Medicine, Winston Salem, North Carolina, United States, ⁶Department of Preventive Medicine, Northwestern University Feinberg School of Medicine, Chicago, Illinois, United States, ⁷Department of Epidemiology, University of Alabama at Birmingham School of Public Health, Birmingham, Alabama, United States, ⁸The New York Academy of Medicine, New York, New York, United States, ⁹John T. Milliken Department of Medicine, Cardiovascular Division, Washington University School of Medicine in St. Louis, St. Louis, Missouri, United States, ¹⁰Population Sciences Branch, National Heart, Lung, and Blood Institute of the National Institutes of Health, Bethesda, Maryland, United States

MP77

Achieving Guidelines within a 24-Hour Movement Paradigm and Risk of Cardiovascular Disease and All-Cause Mortality in United States Adults

Benjamin D. Boudreaux¹, Chang Xu¹, Erin Dooley², Bjoern Hornikel², Alexandra Munson³, Ari Shechter¹, Priya Palta³, Kelley P. Gabriel², Keith M. Diaz¹

¹Columbia University Irving Medical Center, New York, New York, United States, ²University of Alabama at Birmingham, Birmingham, Alabama, United States, ³UNC Chapel Hill, Chapel Hill, North Carolina, United States

MP78

Device-Based Assessment of 24-Hour Activity Across Three Trimesters of Pregnancy: The Pregnancy 24/7 Cohort Study

Kara M. Whitaker³, Jacob B. Gallagher³, Jaemyung Kim³, Christopher E. Kline¹, Mark K. Santillan³, Donna A. Santillan³, Maisa Feghali¹, Janet M. Catov⁴, M Bridget Zimmerman³, Bethany Barone Gibbs²

¹UNIVERSITY OF PITTSBURGH, Pittsburgh, Pennsylvania, United States, ²West Virginia University, Morgantown, West Virginia, United States, ³UNIVERSITY OF IOWA, Iowa City, Iowa, United States, ⁴UNIVERSITY OF PITTSBURGH, Pittsburgh, Pennsylvania, United States

POSTERS

Thursday, March 6, 2025

PS01.01 Aging in Older Adults

P1001

Life-course Epidemiology of Cardiovascular-related Factors and Pace of Aging, Insights from Age Gene/Environment Susceptibility-Reykjavik Longitudinal Study

Nigus Asefa¹, David Li², Yi-Han Hu³, Jorge Romero³, Osorio Meirelles⁴, Valborg Guomundsdottir⁵, Thor Aspelund⁵, Vilmundur Gudnason⁶, LENORE J. LAUNER⁷

¹Laboratory of Epidemiology and Population Sciences, NIH, Baltimore, Maryland, United States, ²Laboratory of Epidemiology and Population Science, National Institute on Aging, Baltimore, Maryland, United States, ³Laboratory of Epidemiology and Population Sciences, National Institute on Aging, Baltimore, Maryland, United States, ⁴National Institute on Aging, Ellicott City, Maryland, United States, ⁵University of Iceland, Reykjavik, Iceland, ⁶ICELANDIC HEART ASSOCIATION, 201 Kopavogur, Iceland, ⁷NATIONAL INSTITUTES OF HEALTH, Bethesda, Maryland, United States

P1002

MIND Diet, Circulating Inflammatory Biomarkers, and Cognitive Function: A Prospective Study

Leqi Fei¹, Hui Chen¹, Mengjia Zhao¹, Minyu Wu¹, Qing Lin², Ting Shen¹, Lusha Tong¹, Xin Xu¹, Xiaoran Liu³, Baibing Mi⁴, Yuandi Xi⁵, Changzheng Yuan¹

¹Zhejiang University School of Medicine, Hangzhou, China, ²the First People's Hospital of Taizhou, Taizhou, China, ³Rush University, Chicago, Illinois, United States, ⁴Xi'an Jiaotong University Health Science Center, Xian, China, ⁵Capital Medical University, Beijing, China

P1003

Enhancing Medication Safety and Outcomes for Elderly Patients in Rural Outpatient Cardiology: Year Long Evaluation of a Pharmacist-Led Remote Medication Reconciliation Program

Samuel Miller¹, Cavan Fulp², Maggie Grossman², Caroline Paine², Ghaith Al Tibi², Phoebe Sahawneh², Eden Wages², Shelby Blackwood², Arden Gaskill², Jered E. Miller⁴, Nicolas Chronos³, RJ Brooks²

¹Rush Medical College, CDHO at LCMG, Eatonton, Georgia, United States, ²Lake Country Medical Group, Eatonton, Georgia, United States, ³Cardiology Care Clinic, Eatonton, Georgia, United States, ⁴Lake Country Medical Group, Dacula, Georgia, United States

P1004

Epigenetic Age Acceleration Predicts All-cause and CVD-specific Mortality over 20-years in a national-representative population

Junming Gong, Lina Mu, Zhongzheng Z. Niu

University at Buffalo, Amherst, New York, United States

P1005

Associations between circulating reproductive hormones and cardiovascular-kidney-metabolic syndrome in older men

Benjamin Hsu

Marcus Institute for Aging Research, Boston, Massachusetts, United States

P1006

Trajectories of Cardiometabolic Diseases and Cancer: Transition Patterns, Multiomics Signatures, and Prediction Model

Xuanwei Jiang, Guangrui Yang, Meng Chen, Nannan FENG, Lan Xu, Xihao Du, Victor W. Zhong
Shanghai Jiao Tong University School of Medicine, Shanghai, China

P1007

Detecting Physical Frailty Phenotype Using Wearable Device

Lingsong Kong¹, Kuan-Yuan Wang³, Kailin Xu³, Yuchen Liu³, Joel Miscione², Jillian Qua², Eric Regina², Dae Kim³, Amanda E. Paluch¹

¹University of Massachusetts Amherst, Amherst, Massachusetts, United States, ²Butlr Technologies, Inc., Cambridge, Massachusetts, United States, ³Hebrew SeniorLife Marcus Institute for Aging Research, Harvard Medical School, Boston, Massachusetts, United States

P1008

A blood biomarker of accelerated aging associates with cardiometabolic biomarkers in response to weight-loss dietary interventions

Minghao Kou¹, Xiang Li², Yoriko Heianza³, Lydia A. Bazzano⁴

¹Epidemiology, Tulane University, New Orleans, Louisiana, United States, ²University of Illinois Chicago, Chicago, Illinois, United States, ³TULANE UNIVERSITY, New Orleans, Louisiana, United States, ⁴TULANE UNIVERSITY, New Orleans, Louisiana, United State

P1009

Epigenetic age acceleration as a hallmark of premature mortality in US adults

Minghao Kou¹, Hao Ma², Xuan Wang³, Yoriko Heianza⁴, JoAnn Manson⁶, Lu Qi⁵

¹Epidemiology, Tulane University, New Orleans, Louisiana, United States, ²Tulane university, Metairie, Louisiana, United States, ³Tulane University, New Orleans, Louisiana, United States, ⁴TULANE UNIVERSITY, New Orleans, Louisiana, United States, ⁵TULANE UNIVERSITY, New Orleans, Louisiana, United States, ⁶Department of Medicine, Brigham and Women's Hospital, Boston, Massachusetts, United States

P1010

Prediction Algorithms of Sarcopenia in US Older Adults

Chong-Do D. Lee

ARIZONA STATE UNIVERSITY, Queen Creek, Arizona, United States

P1011

Home Blood Pressure Monitoring and Risk of Falls in Older Adults with Hypertension: the AMBROSIA-HOME Cohort Study

Bharat Poudel², Daichi Shimbo³, Joseph Schwartz³, Kristi Reynolds⁴, Zhixin Wang¹, Teresa N. Harrison⁵, Kimberly Cannavale⁶, Rong Wei⁷, Paul Muntner⁸, Barrett Bowling⁹, Emily B. Levitan¹

¹UNIVERSITY ALABAMA AT BIRMINGHAM, Birmingham, Alabama, United States, ²University of Alabama at Birmingham, Birmingham, Alabama, United States, ³COLUMBIA UNIVERSITY, New York, New York, United States, ⁴KAISER PERMANENTE, Pasadena, California, United States, ⁵KAISER PERMANENTE SOUTHERN CA, Pasadena, California, United States, ⁶Kaiser Permanente Southern Californ, Pasadena, California, United States, ⁷Kaiser Permanente So. California, Pasadena, California, United States, ⁸Perisphere Real World Evidence, LLC, Austin, Texas, United States, ⁹Department of Veterans Affairs, Durham Geriatrics Research Education and Clinical Center/Duke, Durham, North Carolina, United States

P1012

Higher Cardiorespiratory Fitness in Midlife is Associated with Postponement of Morbidity and Longer Life

Clare Meernik¹, David Leonard¹, Kerem Shuval¹, Beth B. Wright¹, Tammy Leonard², Andjelka Pavlovic¹, I-Min Lee³, Nina Radford⁴, Jarett D. Berry⁵, Laura F. DeFina¹

¹The Kenneth H. Cooper Institute, Texas Tech University Health Sciences Center, Dallas, Texas, United States, ²Peter O'Donnell Jr. School of Public Health, University of Texas Southwestern Medical Center, Dallas, Texas, United States, ³Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, Massachusetts, United States, ⁴Cooper Clinic, Dallas, Texas, United States, ⁵UT Tyler School of Medicine, Tyler, Texas, United States

P1013

Ideal cardiovascular health is associated with reduced epigenetic aging: cross-sectional findings from the INSPIRE-T cohort

Mathilde Strumia², Vanina Bongard², Samuel Thuriot², Philippe Cestac¹, SALLERIN brigitte¹, Lemaitre Jean Marc³, Sophie Guyonnet⁴, Bruno Vellas⁴, Sandrine Andrieu⁴, Laure Rouch⁴

¹CHU de TOULOUSE, Toulouse, France, ²Maintain Aging Research team, CERPOP,, Université Toulouse III, Toulouse, France, ³INSERM IRMB UMR1183, Hôpital Saint Eloi, Montpellier, France, ⁴IHU, Toulouse, France

P1014

The associations of financial barriers to dental health care with incident cardiovascular disease and dementia: a longitudinal analysis in the All of Us cohort

Mabeline Velez¹, Peter Buto¹, Kendra D. Sims¹, Jennifer Weuve¹, Jingxuan Wang², Anna Pederson¹, Maria M. Glymour¹

¹Epidemiology, Boston University, Springfield, Massachusetts, United States, ²University of California San Francisco, San Francisco, California, United States

P1015

Human Blood Proteome Profiles Across Middle and Late Adulthood Exhibit Three Life-Stage Waves Differentially Linked to Age-Related Diseases

Jie Zhang¹, Hao Ma¹, Xuan Wang¹, Yoriko Heianza¹, Dongqing Ye², Lu Qi¹

¹TULANE UNIVERSITY, New Orleans, Louisiana, United States, ²Anhui University of Sci and Tec, Hefei, China

PS01.02 Arrhythmia/Sudden Death

P1016

Relationships between Sex and In Hospital Outcomes in Patients with Complete Heart Block.

Nadhem Abdallah¹, Mohammed Samra², Meriam Abdallah³

¹Minneapolis, Minnesota, United States, ²university of debrecen, Debrecen, Hungary, ³University of saskatchewan, Saskatoon, Saskatchewan, Canada

P1017

Comparison of mortality between stroke and atrial fibrillation in Brazil over the past 26 years

Leticia D. Da Silva, Luana Yasmim Fernández Avelaneda Castanheira, Maria Dalila S. Salim, Ohara Rumayane Paiva Santos Reboucas, Ruy Felipe M. Viegas

Medicine, Universidade de Taubaté, Taubaté, São Paulo, Brazil

P1018

Incidence of Diagnosed Atrial Fibrillation in Community-Based Asian American, Native Hawaiian and other Pacific Islander Subpopulations: Findings from the PANACHE Study

Alan S. Go¹, Andrew P. Ambrosy¹, Rishi Parikh¹, Thida Tan¹, Connor Howick², Stacey Alexeeff¹, Joan C. Lo¹, Yihe G. Daida²

¹Division of Research, Kaiser Permanente Northern California, Pleasanton, California, United States, ²Center for Integrated Health Research, Kaiser Permanente Hawaii, Honolulu, Hawaii, United States

P1019

Patient Values and Anticoagulant Decisions in Atrial Fibrillation: a Secondary Analysis of the RED-AF Shared Decision-Making Trial

Alexander Kolomaya¹, Joshua Christensen¹, Michael Throolin¹, Daniel Witt², Geoffrey Barnes³, Kenzie Cameron⁴, Rod S. Passman⁵, Peter A. Noseworthy⁶, Kerri Cavanaugh⁷, Angie Fagerlin⁸, Benjamin A. Steinberg⁹, Elissa Ozanne¹⁰

¹University of Utah, Salt Lake City, Utah, United States, ²University of Utah College of Pharm, Salt Lake City, Utah, United States, ³University of Michigan, Ann Arbor, Michigan, United States, ⁴Northwestern University, Chicago, Illinois, United States, ⁵NORTHWESTERN MEDICINE, Chicago, Illinois, United States, ⁶MAYO CLINIC, Rochester, Minnesota, United States, ⁷Nashville, Tennessee, United States, ⁸University of Utah, Salt Lake Cty, Utah, United States, ⁹Denver Health Medical Center, Denver, Colorado, United States, ¹⁰University of Utah, Salt Lake Cty, Utah, United States

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Relationship Between CHA₂DS₂-VASc, Health Literacy, and Atrial Fibrillation Knowledge

Tanvi Nayak¹, Preeti Kansal⁹, Kenzie Cameron³, Elissa Ozanne², Geoffrey Barnes⁸, Shiza Jeewa¹, Mandy Pershing³, Angie Fagerlin⁴, Kerri Cavanaugh⁵, Elizabeth A. Jackson⁶, Victor M. Montori⁷, Chaorong Wu², Rod Passman⁹, STEP-UP AF Writing Group²

¹Feinberg School of Medicine, Chicago, Illinois, United States, ²University of Utah, Salt Lake Cty, Utah, United States, ³Preventive Medicine, Northwestern University, Chicago, Illinois, United States, ⁴University of Utah, Salt Lake Cty, Utah, United States, ⁵Vanderbilt University Medical Center, Nashville, Tennessee, United States, ⁶University of Alabama at Birmingham, Birmingham, Alabama, United States, ⁷Mayo Clinic, Rochester, Minnesota, United States, ⁸University of Michigan, Ann Arbor, Michigan, United States, ⁹Division of Cardiology, Department of Medicine, Northwestern University Feinberg School of Medicine, Chicago, Illinois, United States

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Leadless Pacemakers: A Systematic Review on Superior Alternative for Cardiac Support in Post-Valvular Interventional Patients

Yamunesh Patel¹, Vibhu M. Amrutiya², Gareema P. Naik¹, Panthi Soni³, Dhaval Patel¹, Kashish Parmar¹, Mansi Lunagariya⁴, Manishkumar Jyani⁵

¹GMERS Medical College, Valsad, Surat, India, ²GMERS Medical College, Valsad, Surat, India, ³GMERS Medical College, Gotri, Vadodara, India, ⁴C.U.Shah Medical College, Surendranagar, India, ⁵GMERS Medical College, Gandhinagar, Gandhinagar, India

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Interatrial Septal Thickening as a Predictor of Atrial Fibrillation and Structural Heart Remodeling

Dallin Swanson, Ramy Abdelmaseih, THIERRY KOCHKARIAN, Zahir M. Amin, Bisma Khwaja, Maha Yaqub, Ritika Saxena, Wissam Khalife

University of Texas Medical Branch, Galveston, Texas, United States

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Temporal Changes in High-Sensitivity C-Reactive Protein and Risk of Atrial Fibrillation in African Americans: The Jackson Heart Study

Hiroto Yagasaki¹, Wondwosen Yimer², Daisuke Kamimura³, Nancy Min⁴, James S. Floyd⁵, Kaustuv Bhattacharya², Susan R. Heckbert⁵, Michael and Jo Alice E. Hall⁴, Adolfo Correa⁴, Takeki Suzuki¹

¹Indiana University School of Medicine, Indianapolis, Indiana, United States, ²University of Mississippi School of Pharmacy, Oxford, Mississippi, United States, ³Yokohama City University Hospital, Yokohama, Japan, ⁴University of Mississippi Medical Center, Jackson, Mississippi, United States, ⁵University of Washington, Seattle, Washington, United States

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Associations between DASH Diet Adherence and Cardiovascular-Kidney Metabolic (CKM) Syndrome Stages: 2011-2020 National Health and Nutrition Examination Survey

Chelsea Akubo², India E. Washington⁵, Shanshan Song⁵, Mojisola Olusola-Bello⁵, Khadijat Adeleye⁴, DJanee Kyeremeh³, Samuel Gledhill³, William Xiao³, Samantha DeMarco¹, Valerie K. Sullivan⁵, Yvonne Commodore-Mensah¹, Oluwabunmi Ogungbe¹

¹Johns Hopkins School of Nursing, Baltimore, Maryland, United States, ²Boston University Chobanian & Avedisian School of Medicine, Boston, Massachusetts, United States, ³Johns Hopkins University Krieger School of Arts and Sciences, Baltimore, Maryland, United States, ⁴Elaine Marie College of Nursing, University of Massachusetts Amherst, Amherst, Massachusetts, United States, ⁵Johns Hopkins University Bloomberg School of Public Health, Baltimore, Maryland, United States

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Overall Effect of Stress Reduction Interventions on Cardiovascular Outcomes (Both Qualitative and Quantitative): A Systematic Review and Meta-Analysis.

Nanush Damarlapally¹, Nia Uswanti Binti², TANUSHA WINSON³, Prithvi Basu⁸, Vitrag Tejani⁴, Keerthika Damarlapally¹⁰, Vijaylaxmi Thimmappa⁹, Naga Siva Naveen Chodiseti⁵, Ayesha Firdous Khan⁶, Dr.Khena .⁷

¹Health Sciences, Independant Researcher, Houston, Texas, United States, ²Medicine, University of Brawijaya, Kota Malang, Indonesia, ³Medicine, AIMST University, Sungai Petani, Malaysia, ⁴Medicine, Parul Institute of Medical Sciences and Research, Vadodara, Gujarat, India, ⁵Medicine, Ananya Hospital, Hyderabad, Telangana, India, ⁶Medicine, Dr Punjabrao Deshmukh Memorial Medical College, Amaravati, Maharashtra, India, ⁷Medicine, Dr B R Ambedkar Medical College, Bangalore, Karnataka,

India, ⁸KPC medical college and hospital, Kolkata, India, ⁹Mariner Dental Lab, Houston, Texas, United States, ¹⁰Rajeev Gandhi college of dental sci, Bangalore , India

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Metabolic Syndrome Reduction Through Lifestyle Modification in West Chicago

Ethan Belnap, Emily Sullivan, Camden Richter, Billy Cohen, Ishan Khosla, Abigail McIntosh, Daniel Luger

Chicago, Illinois, United States

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Associations between sleep quality and individual lipid abnormalities in Hong Kong Chinese women: Findings from the MECH-HK study

Mingyu Chen, Yao Jie Xie, Kin Cheung

School of Nursing, The HongKong Polytechnic University, Hong Kong, Hong Kong

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Prospective associations of optimism and cynicism with Life's Essential 8: The Study of Women's Health Across the Nation (SWAN) Study

Yuqing Chen, Ziyuan Wang, Rebecca C. Thurston, Alicia Colvin, Samar R. El Khoudary

University of Pittsburgh, Pittsburgh, Pennsylvania, United States

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Projecting Disease Paths over the Course of Heart Disease: A Multi-state Non-Markov Framework

Ming Ding, Feng-Chang Lin, Michelle Meyer

The University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States

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Role of Hypertension in the Cardiovascular-Kidney-Metabolic Syndrome among Black Adults: The Jackson Heart Study

Medha Dubal¹, Lama Ghazi², Alain G. Bertoni³, April P. Carson⁴, Cora E. Lewis⁵, Chibuike J. Alanaeme⁶, Dayna A. Johnson⁷, Daichi Shimbo⁸, Kathryn Foti⁹, Lisandro D. Colantonio¹⁰, Milla E. Arabadjian¹², Rikki M. Tanner¹¹, Paul Muntner¹

¹Epidemiology, University of Alabama at Birmingham, Birmingham, Alabama, United States, ²University of Alabama at Birmingham, Birmingham, Alabama, United States, ³WAKE FOREST UNIV SCHOOL MED, Pfafftown, North Carolina, United States, ⁴Univ of Mississippi Medical Center, Jackson, Alabama, United States, ⁵Univeristy of Alabama at Birmingham, Birmingham, Alabama, United States, ⁶University of Alabama at Birmingham, Birmingham, Alabama, United States, ⁷Emory University, Atlanta, Georgia, United States, ⁸COLUMBIA UNIVERSITY, New York, New York, United States, ⁹University of Alabama at Birmingham, Birmingham, Alabama, United States, ¹⁰UNIVERSITY OF ALABAMA AT BIRMINGHAM, Birmingham, Alabama, United States, ¹¹UNIVERSITY ALABAMA AT BIRMINGHAM, Birmingham, Alabama, United States, ¹²New York University, New York City, New York, United States

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Impact of Psychosocial and Socioeconomic Stress on Metabolic Health and Body Mass Phenotypes: Insights from the Hispanic Community Health Study/Study of Latinos

Adam Fathalla¹, Ayana K. April-Sanders¹, Carlos J. Rodriguez², Linda C. Gallo⁵, Carmen R. Isasi⁴, Barry E. Hurwitz⁶, Mason Krueger⁷, Krista Perreira⁸, Monica A. Batalha³, Martha L. Daviglus⁹, Amber Pirzada¹⁰, Christina Cordero⁷, Maria Llabre⁶

¹Rutgers School of Public Health, Piscataway, New Jersey, United States, ²Albert Einstein School of Medicine, Bronx, New York, United States, ³Albert Einstein College of Medicine, Bronx, New York,

United States, ⁴ALBERT EINSTEIN COLLEGE MEDICINE, Bronx, New York, United States, ⁵San Diego State University, Chula Vista, California, United States, ⁶UNIVERSITY OF MIAMI, Miami, Florida, United States, ⁷Psychology, University of Miami, Miami, Florida, United States, ⁸University of North Carolina School, Chapel Hill, North Carolina, United States, ⁹UNIVERSITY ILLINOIS CHICAGO, Chicago, Illinois, United States, ¹⁰University of Illinois Chicago, Chicago, Illinois, United States

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De novo lipogenesis is related to multiple cardiometabolic diseases in post-myocardial infarction patients of the Alpha Omega Cohort

Luc Heerkens², Kamalita Pertiwi³, Franzel van Duijnhoven¹, Johanna M. Geleijnse¹

¹Wageningen University & Research, Wageningen, Netherlands, ²Wageningen University & Research, Wageningen, Netherlands, ³Uppsala University, Uppsala, Sweden

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The Association of Adverse Pregnancy Outcomes with Left Ventricular Structure and Function in Early Midlife: Results from the Bogalusa Heart Study

Eunsun Gill¹, XUANYI JIN¹, Camilo Fernandez Alonso², Elaine M. Urbina³, Emily Harville¹, Lydia A. Bazzano¹

¹Epidemiology, Tulane University, New Orleans, Louisiana, United States, ²Tulane University Health Sciences Center, New Orleans, Louisiana, United States, ³Division of Cardiology, Heart Institute, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, United States

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Trends of Glucagon-Like Peptide 1 Receptor Agonist Usage, Self-Payments and Total Payments Among People Without Diabetes in the United States from 2017 -2022

Michael Hammond¹, Lucia Petito², Dhruv S. Kazi³, Sadiya S. Khan⁴, Xiaoning Huang⁵

¹Northwestern University, Evanston, Illinois, United States, ²Northwestern University, Chicago, Illinois, United States, ³BIDMC, Boston, Massachusetts, United States, ⁴Northwestern University, Oak Park, Illinois, United States, ⁵Northwestern University, Chicago, Illinois, United States

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The Association between PREVENT 10-Year Overall Cardiovascular Disease Risk and Incident Fractures in Postmenopausal Women

Rafeka Hossain¹, Nicole C. Wright⁵, Deepika Laddu², Kelley P. Gabriel³, Shakia T. Hardy⁶, Carolyn Crandall⁷, Jane A. Cauley⁴, Kristine E. Ensrud⁸, Bernard Haring⁹, Meryl LeBoff¹⁰, JoAnn Manson¹⁰, Ann V. Schwartz¹¹, Aladdin Shadyab¹², Nelson Watts¹³

¹Medicine, Tulane University, Metairie, Louisiana, United States, ²Northwestern University, Chicago, Illinois, United States, ³UAB P-Cards, Birmingham, Alabama, United States, ⁴University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ⁵Medicine, Tulane University, New Orleans, Louisiana, United States, ⁶Epidemiology, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ⁷Medicine, University of California Los Angeles, Los Angeles, California, United States, ⁸Epidemiology & Community Health, University of Minnesota, Minneapolis, Minnesota, United States, ⁹Medicine, Saarland University Hospital, Homburg, Germany, ¹⁰Medicine, Harvard Medical School, Boston, Massachusetts, United States, ¹¹Epidemiology and Biostatistics, University of California, San Francisco, San Francisco, California, United States, ¹²Public Health and Medicine, University of California-San Diego, La Jolla, California, United States, ¹³Osteoporosis and Bone Health Services, Mercy Health, Cincinnati, Ohio, United States

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ABO Blood Type, Plasma Proteomic Profile, and Risk of Chronic Disease

Chengyong Jia, Yanbo Zhang, Kai Luo, robert kaplan, Thomas Rohan, Qibin Qi
ALBERT EINSTEIN COLLEGE OF MEDICINE, Bronx, New York, United States

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Promoting Sustained Behavior Change and Nutrition Security in Medicaid-Enrolled Individuals with Stage 2 Cardiovascular Kidney Metabolic Syndrome (CKMS): protocol and early recruitment success of the SUSTAIN study

Colleen Spees², Daniel Walker³, Amaris Williams⁴, Jade Smith¹, Erin Frey¹, Guy Brock¹, Jillian Tatro¹, Amy Headings⁵, Jenelle Hoseus⁶, Joshua J. Joseph¹

¹The Ohio State University COM, Columbus, Ohio, United States, ²The Ohio State University, Columbus, Ohio, United States, ³The Ohio State University, Columbus, Ohio, United States, ⁴OSU Wexner Medical Center, Columbus, Ohio, United States, ⁵Mid-Ohio Food Collective, Columbus, Ohio, United States, ⁶Health Impact Ohio, Columbus, Ohio, United States

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Blood Metabolomic Signatures of Incident Coronary Heart Disease in Racially and Ethnically Diverse Populations

Kai Luo¹, Taryn Alkis², Eun Hye Moon², Christie M. Ballantyne³, Eric Boerwinkle², Clary Clish⁴, Robert Gerszten⁵, Megan Grove⁶, Lifang Hou⁷, Scott Hutton⁸, Robert Kaplan¹, Rozenn Lemaitre⁹, Donald M. Lloyd-Jones¹⁰, Matthew G. Naylor¹¹, Kari E. North¹², Bruce M. Psaty¹³, Laura M. Raffield¹⁴, Stephen S. Rich¹⁵, Jerome I. Rotter¹⁶, Usman A. Tahir⁵, Tao Wang¹, Kari Wong¹⁷, Vanessa Xanthakis¹⁸, Qibin Qi¹, Bing Yu²

¹Epidemiology and Population Health, Albert Einstein College of Medicine, Bronx, New York, United States, ²Department of Epidemiology, Human Genetics and Environmental Sciences, School of Public Health, University of Texas Health Science Center at Houston, Houston, Texas, United States, ³BAYLOR COLLEGE MEDICINE, Houston, Texas, United States, ⁴Broad Institute of MIT and Harvard, Cambridge, Massachusetts, United States, ⁵Beth Israel Deaconess Medical Center, Boston, Massachusetts, United States, ⁶Human Genetics Center, School of Public Health, University of Texas Health Science Center at Houston, Houston, Texas, United States, ⁷NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ⁸Metabolon, Inc, Morrisville, North Carolina, United States, ⁹Cardiovascular Health Research Unit, Department of Medicine, University of Washington, Seattle, Washington, United States, ¹⁰Northwestern University, Chicago, Illinois, United States, ¹¹Boston University Medical Center, Boston, Massachusetts, United States, ¹²Department of Epidemiology and Carolina Center for Genome Sciences, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ¹³UNIVERSITY WASHINGTON, Shoreline, Washington, United States, ¹⁴University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ¹⁵UNIVERSITY VIRGINIA, Charlottesville, Virginia, United States, ¹⁶The Lundquist Institute, Torrance, California, United States, ¹⁷Metabolon, Inc., Morrisville, North Carolina, United States, ¹⁸BU SCHOOL OF MEDICINE, Boston, Massachusetts, United States

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Inhibition Of Drug Metabolizing Enzyme Cytochrome P450 2C8 By Acyl-Glucuronide Metabolites Of Gemfibrozil And Clopidogrel.

Manish Shah

Albany College of Pharmacy, Albany, New York, United States

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Characterizing Metabolically Unhealthy Normal Weight In Hispanic / Latino adults: Results from HCHS/SOL

MILTON FABIAN F. SUAREZ ORTEGON¹, Paola Filigrana², Wenyan Ma³, Amber Pirzada⁴, Martha L. Daviglius⁵, Mason Krueger⁶, Christina Cordero⁶, Daniela Sotres-Alvarez⁷, Ana Siega-Riz⁸, Linda C. Gallo⁹, Carmen R. Isasi¹⁰

¹Food and Nutrition, PONTIFICIA UNIVERSIDAD JAVERIANA, Cali, Colombia, ²Albert Einstein College of Medicine, Bronx, NY, New York, United States, ³Albert Einstein College of Medicine, Bronx, New York, United States, ⁴University of Illinois Chicago, Chicago, Illinois, United States, ⁵UNIVERSITY ILLINOIS CHICAGO, Chicago, Illinois, United States, ⁶Psychology, University of Miami, Miami, Florida, United States, ⁷UNC Chapel Hill, CHAPEL HILL, North Carolina, United States, ⁸University of Massachusetts Amherst, Amherst, Massachusetts, United States, ⁹San Diego State University, Chula Vista, California, United States, ¹⁰ALBERT EINSTEIN COLLEGE MEDICINE, Bronx, New York, United States

PS01.04 Cardio-oncology

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Effects of urban greenspace on time to major adverse cardiovascular events among women with breast cancer: Insights from the Greater Milwaukee Area

Jean C. Bikomeye¹, Sergey Tarima², Yuhong Zhou², Jamila Kwarteng³, Andreas M. Beyer⁴, Tina Yen⁵, Aaron Winn⁶, Kirsten M. Beyer⁷

¹Medicine, Medical College of Wisconsin, Milwaukee, Wisconsin, United States, ²Medical College of Wisconsin, Wauwatosa, Wisconsin, United States, ³Medical College of Wisconsin, Milwaukee, Wisconsin, United States, ⁴MEDICAL COLLEGE WISCONSIN, Milwaukee, Wisconsin, United States, ⁵Medical College of Wisconsin, Milwaukee, Wisconsin, United States, ⁶University of Illinois at Chicago, Chicago, Illinois, United States, ⁷Medical College of Wisconsin, Milwaukee, Wisconsin, United States

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Distinct Mortality Patterns in Cancer Patients with Heart Disease: Insights from SEER Database Analysis

Abhijith Jenkins¹, Praneet Khanna¹, Samuel Kim¹, Kiel D. Corkran², Bryan Harris², Majid Bani-Yaghoob³

¹University of Missouri-Kansas City, Kansas City, Missouri, United States, ²UMKC Division of Computing, Analytics and Mathematics, School of Science and Engineering, University of Missouri-Kansas City, Kansas City, Missouri, United States, ³UMKC School of Science and Engineering, University of Missouri-Kansas City, Kansas City, Missouri, United States

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External validation of a novel cancer-associated venous thromboembolism risk assessment score in a safety-net hospital

Saran Lotfollahzadeh¹, Karlynn N. Dulberger², Jennifer La¹, Katya Ravid¹, Nhan V. Do³, Mary Brophy³, Michael Gaziano³, Ang Li⁴, Vipul Chitalia¹, Nathanael Fillmore³

¹BOSTON UNIVERSITY SCHOOL MEDICINE, Boston, Massachusetts, United States, ²Massachusetts Veterans Epidemiology Research and Information Center (MAVERIC), Cambridge, Massachusetts, United States, ³Massachusetts Veterans Epidemiology Research and Information Center, VA Boston Healthcare System, Boston, Massachusetts, United States, ⁴Section of Hematology-Oncology, Baylor College of Medicine, Houston, Texas, United States

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Relationship Between Cardiovascular Risk Factors and All-Cause and Cancer-Specific Mortality Among Cancer Survivors in the United States

Reed Mszar¹, Danish Iltaf I. Satti², Tarang Parekh³, Sarah C. Hull⁴, Lauren A. Baldassarre⁵, Garima Sharma⁶, Erica S. Spatz⁷, Khurram Nasir⁸, Leah Ferrucci¹, Melinda Irwin¹, Suparna Clasen⁹

¹Chronic Disease Epidemiology, Yale School of Public Health, New York, New York, United States, ²Johns Hopkins School of Medicine, Baltimore, Maryland, United States, ³University of Delaware, Newark, Delaware, United States, ⁴YALE NEW HAVEN MED CTR, Shelton, Connecticut, United States, ⁵Yale University, New Haven, Connecticut, United States, ⁶Inova Fairfax Medical Campus, Falls Church, Virginia, United States, ⁷YALE UNIVERSITY SCHOOL MEDICINE, New Haven, Connecticut, United States, ⁸Houston Methodist, Houston, Texas, United States, ⁹Indiana University Health, Indianapolis, Indiana, United States

PS01.05 Childhood and Youth

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Positive and Adverse School Experiences and Cardiovascular Health (CVH) in the Young Hearts Study

Tiwaluwa Ajibewa¹, Yaojie Wang², Aashima Chopra¹, Darci Phillips³, Ileah Spain Rios¹, Lucia Petito⁴, Amy Yu⁵, Amanda M. Perak⁶, Donald M. Lloyd-Jones⁷, Sarah D. de Ferranti⁸, Holly C. Gooding⁹, Stephen R. Daniels¹⁰, Darwin R. Labarthe¹¹, Matthew Davis⁶, Marc Rosenman¹², Rashmi Narayan¹⁶, Mark J. Pletcher¹³, Francis Alenghat¹⁷, Rupali Gandhi¹⁸, Cheryl Lefaiver¹⁸, Amanda Luff¹⁸, Huma Khan¹⁸, Brad Appelhans¹⁹, Karen Lui¹⁹, Rachel Caskey¹⁵, Norrina B. Allen¹⁴

¹Northwestern University, Chicago, Illinois, United States, ²Northwestern University, Chicago, Illinois, United States, ³Northwestern University, Chicago, Illinois, United States, ⁴Northwestern University, Chicago, Illinois, United States, ⁵Northwestern University, Chicago, Illinois, United States, ⁶Lurie Children's Hospital and Northwestern University, La Grae, Illinois, United States, ⁷Northwestern University, Chicago, Illinois, United States, ⁸Boston Children's Hospital, Boston, Massachusetts, United States, ⁹Emory University School of Medicine, Atlanta, Georgia, United States, ¹⁰UNIV OF COLORADO SCHOOL OF MEDICINE, Aurora, Colorado, United States, ¹¹NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ¹²Northwestern University, Chicago, Illinois, United States, ¹³UCSF, San Francisco, California, United States, ¹⁴NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ¹⁵University of Illinois Chicago, Chicago, Illinois, United States, ¹⁶AllianceChicago, Chicago, Illinois, United States, ¹⁷University of Chicago, Chicago, Illinois, United States, ¹⁸Advocate Aurora Health, Chicago, Illinois, United States, ¹⁹Rush University Medical Center, Chicago, Illinois, United States

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Pre- and Perinatal Determinants of Cardiovascular Health Trajectories Across Childhood and Adolescence

Izzuddin Aris¹, Sheryl Rifas-Shiman¹, Wei Perng², Marie-France Hivert¹, Sarah D. de Ferranti³

¹Population Medicine, Harvard Medical School, Boston, Massachusetts, United States, ²Colorado School of Public Health, Aurora, Colorado, United States, ³Boston Children's Hospital, Boston, Massachusetts, United States

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Are Helpful Kids Healthy Kids? A Systematic Review of Prosocial Behavior in Childhood and Adolescence in Relation to Cardiometabolic Outcomes

Julia Boehm¹, Farah Qureshi², Krista Woodward², Laura Kubzansky³

¹Chapman University, Orange, California, United States, ²Baltimore, Maryland, United States, ³Harvard TH Chan School of Public Health, Boston, Massachusetts, United States

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Screen Time and Social-Emotional Skills in Michigan Middle School Students Participating in Project Healthy Schools

Whitney Gallagher¹, Rachel Krallman¹, Chih Wen Pai¹, Brad Newman¹, Kim A. Eagle¹, Elizabeth A. Jackson²

¹Michigan Medicine, Ann Arbor, Michigan, United States, ²University of Alabama at Birmingham, Birmingham, Alabama, United States

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Associations between Food Insecurity Trajectories in Youth and Overweight and Obesity Status in Young Adulthood

Olivia Liu, Robin Ortiz, Kristyn Pierce, Carol Duh-Leong

NYU Grossman School of Medicine, New York, New York, United States

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Adverse Childhood Experiences Negatively Impact Adult Dietary Patterns and Increase the Risk of Hypertension

Elena Lynn¹, Alyssa Brown¹, Alexandra Wynn¹, Yendelela L. Cuffee²

¹University of Delaware, Newark, Delaware, United States, ²University of Delaware, Wilmington, Delaware, United States

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Metabolomics signatures of childhood cardiovascular risk factor burdens associate with midlife cognitive function: Findings from the Bogalusa Heart Study

Yang Pan¹, Zhijie Huang³, Xiao Sun², Ileana De Anda-Duran³, Ruiyuan Zhang⁴, Xiang Li⁵, Changwei Li⁶, Owen Carmichael⁷, Lydia A. Bazzano⁸, Tanika N. Kelly⁹

¹University of Illinois, Chicago, Illinois, United States, ²University of Illinois Chicago, Chicago, Illinois, United States, ³Tulane University, New Orleans, Louisiana, United States, ⁴Tulane University, New Orleans, Louisiana, United States, ⁵University of Illinois Chicago, Chicago, Illinois, United States, ⁶Tulane University, New Orleans, Louisiana, United States, ⁷Biomedical Imaging Center, Pennington Biomedical Research Center, Baton Rouge, Louisiana, United States, ⁸TULANE UNIVERSITY, New Orleans, Louisiana, United States, ⁹University of Illinois Chicago, Chicago, Illinois, United States

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Associations between household economic stability and childhood behavioral cardiovascular health: the Young Hearts Study

Lucia Petito¹, Rachel Zmora², Yaojie Wang³, Aashima Chopra¹, Darci Phillips⁴, Amy Yu⁵, Amanda M. Perak⁶, Donald M. Lloyd-Jones⁷, Sarah D. de Ferranti⁸, Holly C. Gooding⁹, Stephen R. Daniels¹⁰, Darwin R. Labarthe¹¹, Marc Rosenman¹², Rashmi Narayan¹⁷, Mark J. Pletcher¹³, Francis Alenghat¹⁸, Cheryl Lefaiver²⁰, Rupali Gandhi²⁰, Amanda Luff²⁰, Huma Khan²⁰, Brad Appelhans¹⁴, Karen Lui¹⁴, Rachel Caskey¹⁹, Ileah Spain Rios¹⁶, Matthew Davis¹², Norrina B. Allen¹⁵

¹Northwestern University, Chicago, Illinois, United States, ²Northwestern University, Chicago, Illinois, United States, ³Northwestern University, Chicago, Illinois, United States, ⁴Northwestern University, Chicago, Illinois, United States, ⁵Northwestern University, Chicago, Illinois, United States, ⁶Lurie Children's Hospital and Northwestern University, La Grae, Illinois, United States, ⁷Northwestern University, Chicago, Illinois, United States, ⁸Boston Children's Hospital, Boston, Massachusetts, United States, ⁹Emory University School of Medicine, Atlanta, Georgia, United States, ¹⁰UNIV OF COLORADO SCHOOL OF MEDICINE, Aurora, Colorado, United States, ¹¹NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ¹²Lurie Children's Hospital, Chicago, Illinois, United States, ¹³UCSF, San Francisco, California, United States, ¹⁴Rush University Medical Center, Chicago, Illinois, United States, ¹⁵NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ¹⁶Northwestern University,

Chicago, Illinois, United States, ¹⁷Alliance, Chicago, Illinois, United States, ¹⁸University of Chicago, Chicago, Illinois, United States, ¹⁹University of Illinois - Chicago, Chicago, Illinois, United States, ²⁰Advocate Health, Chicago, Illinois, United States

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Anxiety, Stress, Emotional Difficulties and Behavioral Cardiovascular Health in Childhood: The Young Hearts Study

Darci Phillips¹, Yaojie Wang², Rachel Zmora³, Aashima Chopra¹, Ilea Spain Rios⁴, Lucia Petito⁵, Amy Yu⁶, Amanda M. Perak¹², Donald M. Lloyd-Jones⁷, Sarah D. de Ferranti⁸, Holly C. Gooding⁹, Stephen R. Daniels¹⁰, Darwin R. Labarthe¹¹, Matthew Davis¹², Marc Rosenman¹², Rashmi Narayan¹³, Mark J. Pletcher¹⁴, Francis Alenghat¹⁵, Rupali Gandhi¹⁶, Cheryl Lefaiver¹⁷, Amanda Luff¹⁸, Huma Khan¹⁶, Brad Appelhans¹⁹, Karen Lui¹⁹, Rachel Caskey²⁰, Norrina B. Allen²¹

¹Northwestern University, Chicago, Illinois, United States, ²Northwestern University, Chicago, Illinois, United States, ³Northwestern University, Chicago, Illinois, United States, ⁴Northwestern University, Chicago, Illinois, United States, ⁵Northwestern University, Chicago, Illinois, United States, ⁶Northwestern University, Chicago, Illinois, United States, ⁷Northwestern University, Winnetka, Illinois, United States, ⁸Boston Children's Hospital, Boston, Massachusetts, United States, ⁹Emory University School of Medicine, Atlanta, Georgia, United States, ¹⁰UNIV OF COLORADO SCHOOL OF MEDICINE, Aurora, Colorado, United States, ¹¹NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ¹²Lurie Children's Hospital of Chicago, Chicago, Illinois, United States, ¹³AllianceChicago, Chicago, Illinois, United States, ¹⁴UCSF, San Francisco, California, United States, ¹⁵University of Chicago, Chicago, Illinois, United States, ¹⁶Advocate Children's Hospital, Oak Lawn, Illinois, United States, ¹⁷Advocate Health, Oak Lawn, Illinois, United States, ¹⁸Advocate Health, Milwaukee, Wisconsin, United States, ¹⁹Rush University Medical Center, Chicago, Illinois, United States, ²⁰University of Illinois Chicago, Chicago, Illinois, United States, ²¹NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States

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Hypertension Screening in Children and Adolescents: A Global Policy Analysis

Priyansh Shah¹, Dhruvil Patil⁵, Vishakha Modak², Zeel Patel³, Jesus D. Melgarejo⁴, Eleonora Gashi²

¹World Youth Heart Federation, Bronx, New York, United States, ²Jacobi Hospital, Bronxville, New York, United States, ³Maimonides Medical Center, Brooklyn, New York, United States, ⁴UTRGV, Harlingen, Texas, United States, ⁵General Medicine, Beth Israel Deaconess Medical Center, Boston, Massachusetts, United States

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Parental Stress and Depression on Child Cardiovascular Health: The Young Hearts Study

Ilea Spain Rios¹, Yaojie Wang², Aashima Chopra¹, Darci Phillips³, Rachel Zmora⁴, Lucia Petito⁵, Amy Yu⁶, Amanda M. Perak⁷, Donald M. Lloyd-Jones⁸, Sarah D. de Ferranti⁹, Holly C. Gooding¹⁰, Stephen R. Daniels¹¹, Darwin R. Labarthe¹², Matthew Davis¹³, Marc Rosenman¹⁴, Rashmi Narayan¹⁷, Mark J. Pletcher¹⁵, Francis Alenghat¹⁸, Rupali Gandhi¹⁶, Cheryl Lefaiver¹⁹, Amanda Luff¹⁹, Huma Khan¹⁹, Brad Appelhans²⁰, Karen Lui²⁰, Rachel Caskey²², Norrina B. Allen²¹

¹Northwestern University, Chicago, Illinois, United States, ²Northwestern University, Chicago, Illinois, United States, ³Northwestern University, Chicago, Illinois, United States, ⁴Northwestern University, Chicago, Illinois, United States, ⁵Northwestern University, Chicago, Illinois, United States, ⁶Northwestern University, Chicago, Illinois, United States, ⁷Lurie Children's Hospital and Northwestern University, La Grae, Illinois, United States, ⁸Northwestern University, Chicago, Illinois, United States, ⁹Boston Children's Hospital, Boston, Massachusetts, United States, ¹⁰Emory University School of Medicine, Atlanta, Georgia, United States, ¹¹UNIV OF COLORADO SCHOOL OF MEDICINE, Aurora, Colorado, United States, ¹²NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ¹³Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, Illinois, United States, ¹⁴Chicago, Illinois, United States

States, ¹⁵UCSF, San Francisco, California, United States, ¹⁶Advocate Children's Hospital, Oak Lawn, Illinois, United States, ¹⁷AllianceChicago, Chicago, Illinois, United States, ¹⁸University of Chicago Medicine, Chicago, Illinois, United States, ¹⁹Advocate Aurora Health, Chicago, Illinois, United States, ²⁰Rush University Medical Center, Chicago, Illinois, United States, ²¹NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ²²University of Illinois, Chicago, Illinois, United States

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Afterschool Rx: A Feasibility Study of a Community-Based Prescription for Reducing Cardiovascular Risk

Lauren von Klinggraeff¹, Hannah Parker², Isha Patel², Michal Smith², Steven Coughlin¹, Catherine Davis¹, Paul Estabrooks³, Ryan A. Harris¹, Marlo Vernon¹, Michael W. Beets², Abbi D. Lane⁴, Sudha Garimella⁵, Bridget Armstrong²

¹Augusta University, Augusta, Georgia, United States, ²Exercise Science, University of South Carolina, Columbia, South Carolina, United States, ³Health and Kinesiology, University of Utah, Salt Lake City, Utah, United States, ⁴University of Michigan, Ann Arbor, Michigan, United States, ⁵School of Medicine Greenville, University of South Carolina, Greenville, South Carolina, United States

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Examining the Impact of Adverse Childhood Experiences and Cardiovascular Health: A Propensity Score Matched Analysis in the Young Hearts Study

Yaojie Wang¹, Lucia Petito², Rachel Zmora³, Aashima Chopra¹, Darci Phillips⁴, Ileah Spain Rios¹, Amy Yu⁵, Amanda M. Perak⁶, Donald M. Lloyd-Jones⁷, Sarah Deferranti⁸, Holly C. Gooding⁹, Stephen R. Daniels¹⁰, Darwin R. Labarthe¹¹, Matthew Davis¹², Marc Rosenman¹², Rashmi Narayan¹⁵, Mark J. Pletcher¹³, Francis Alenghat¹⁴, Rupali Gandhi¹⁹, Cheryl Lefaiver¹⁹, Amanda Luff¹⁹, Huma Khan¹⁹, Brad Appelhans¹⁸, Karen Lui¹⁸, Rachel Caskey¹⁷, Norrina B. Allen¹⁶

¹Northwestern University, Chicago, Illinois, United States, ²Northwestern University, Chicago, Illinois, United States, ³Northwestern University, Chicago, Illinois, United States, ⁴Northwestern University, Chicago, Illinois, United States, ⁵Northwestern University, Chicago, Illinois, United States, ⁶Lurie Children's Hospital and Northwestern University, La Grae, Illinois, United States, ⁷Northwestern University, Chicago, Illinois, United States, ⁸Childrens Hospital Boston, Boston, Massachusetts, United States, ⁹Emory University School of Medicine, Atlanta, Georgia, United States, ¹⁰UNIV OF COLORADO SCHOOL OF MEDICINE, Aurora, Colorado, United States, ¹¹NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ¹²Lurie Children's Hospital, Chicago, Illinois, United States, ¹³UCSF, San Francisco, California, United States, ¹⁴University of Chicago Medicine, Chicago, Illinois, United States, ¹⁵AllianceChicago, Chicago, Illinois, United States, ¹⁶NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ¹⁷University of Illinois, Chicago, Illinois, United States, ¹⁸Rush University Medical Center, Chicago, Illinois, United States, ¹⁹Advocate Aurora Health, Chicago, Illinois, United States

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Parental Feeding Practices and Cardiovascular Health in Children and Adolescents: the Young Hearts Study

Rachel Zmora¹, Yaojie Wang², Aashima Chopra¹, Darci Phillips³, Lucia Petito⁴, Amy Yu⁵, Amanda M. Perak⁶, Donald M. Lloyd-Jones⁷, Sarah D. de Ferranti⁸, Holly C. Gooding⁹, Stephen R. Daniels¹⁰, Darwin R. Labarthe¹¹, Matthew Davis¹², Marc Rosenman⁶, Rashmi Narayan¹⁵, Mark J. Pletcher¹³, Francis Alenghat¹⁶, Rupali Gandhi¹⁷, Cheryl Lefaiver¹⁷, Amanda Luff¹⁷, Huma Khan¹⁷, Brad Appelhans¹⁸, Karen Lui¹⁸, Rachel Caskey¹⁹, Norrina B. Allen¹⁴

¹Northwestern University, Chicago, Illinois, United States, ²Northwestern University, Chicago, Illinois, United States, ³Northwestern University, Chicago, Illinois, United States, ⁴Northwestern University, Chicago, Illinois, United States, ⁵Northwestern University, Chicago, Illinois, United States, ⁶Lurie Children's Hospital and Northwestern University, La Grae, Illinois, United States, ⁷Northwestern

University, Chicago, Illinois, United States, ⁸Boston Children's Hospital, Boston, Massachusetts, United States, ⁹Emory University School of Medicine, Atlanta, Georgia, United States, ¹⁰UNIV OF COLORADO SCHOOL OF MEDICINE, Aurora, Colorado, United States, ¹¹NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ¹²Lurie Children's Hospital of Chicag, Chicago, Illinois, United States, ¹³UCSF, San Francisco, California, United States, ¹⁴NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ¹⁵AllianceChicago, Chicago, Illinois, United States, ¹⁶University of Chicago Medicine, Chicago, Illinois, United States, ¹⁷Advocate Aurora Health, Chicago, Illinois, United States, ¹⁸Rush University Medical Center, Chicago, Illinois, United States, ¹⁹University of Illinois, Chicago, Illinois, United States

PS01.06 COVID 19, HIV and Other Infections

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Pre-Pandemic Thrombo-inflammatory Biomarkers and Risk of Severe Covid-19: the Collaborative Cohort of Cohorts for Covid-19 Research (C4R)

Mary Cushman¹, Yuni Choi², David R. Jacobs³, Alex P. Reiner¹², Ryan Demmer⁴, Russell Tracy¹, Nels C. Olson¹, Margaret Doyle¹, Debora Kamin Mukaz¹, Laura M. Raffield⁵, Nancy Min⁶, Vasan S.

Ramachandran⁷, Vanessa Xanthakis⁸, Andrew D. Johnson⁹, Jason G. Umans¹⁰, Barry Make¹³, Elizabeth Regan¹³, Russell P. Bowler¹³, Bharat Thyagarajan¹³, Namratha Kandula¹⁴, Elizabeth Oelsner¹¹

¹UNIVERSITY VERMONT, Colchester, Vermont, United States, ²Columbia University Irving Medical, New York, Minnesota, United States, ³University of Minnesota, Minnetonka, Minnesota, United States, ⁴Mayo Clinic, Rochester, Minnesota, United States, ⁵University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ⁶UMMC JACKSON HEART STUDY, Jackson, Mississippi, United States, ⁷UT School of Public Health, San Antonio, Texas, United States, ⁸BU SCHOOL OF MEDICINE, Boston, Massachusetts, United States, ⁹NHLBI, Framingham, Massachusetts, United States, ¹⁰MedStar Health Research Institute, BETHESDA, Maryland, United States, ¹¹Columbia University, New York, New York, United States, ¹²University of Washington, Seattle, Washington, United States, ¹³University of Colorado, Denver, Colorado, United States, ¹⁴Northwestern University, Chicago, Illinois, United States

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Association of Demographic and Clinical Factors with SARS-CoV-2 Anti-Nucleocapsid Antibody Response Among Previously Infected US Adults: The C4R Study

Ryan Demmer¹, Chaoqi Wu², John Kim³, Yifei Sun², Pallavi Balte⁴, Mary Cushman⁵, Rebekah Boyle⁵, Russell P. Tracy⁶, Linda Styer⁷, Taison D. Bell³, Michaela Anderson⁸, Norrina B. Allen⁹, Pamela Schreiner¹⁰, Russell P. Bowler¹¹, David Schwartz¹², Joyce Lee¹², Vanessa Xanthakis¹³, Jean Rock⁷, Rachel Bievenue⁷, Amber Pirzada¹⁴, Margaret Doyle⁵, Elizabeth Regan¹¹, Barry Make¹¹, Alka M. Kanaya¹⁵, Namratha Kandula¹⁹, S W. Morganroth¹⁶, Joe Coresh¹⁷, Carmen R. Isasi¹⁸, Laura M. Raffield²⁰, Mitchell Elkind², Virginia J. Howard²¹, Victor Ortega²², Prescott Woodruff²⁵, Shelley Cole²³, Joel Henderson¹³, Nicholas Mantis⁷, Elizabeth Oelsner²⁴

¹Mayo Clinic, Rochester, Minnesota, United States, ²Columbia University, New York City, New York, United States, ³UVA Health, Charlottesville, Virginia, United States, ⁴Columbia University, New York, New York, United States, ⁵University of Vermont, Burlington, Vermont, United States, ⁶UNIVERSITY VERMONT, Colchester, Vermont, United States, ⁷New York State Department of Health, Albany, New York, United States, ⁸University of Pennsylvania, Philadelphia, Pennsylvania, United States, ⁹NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ¹⁰UNIV MINNESOTA, Minneapolis, Minnesota, United States, ¹¹National Jewish Health, Denver, Colorado, United States, ¹²University of Colorado, Aurora, Colorado, United States, ¹³BU SCHOOL OF MEDICINE, Boston, Massachusetts, United States, ¹⁴University of Illinois Chicago, Chicago, Illinois, United States, ¹⁵UCSF, San Francisco, California, United States, ¹⁶University of Pittsburgh, Pittsburgh,

Pennsylvania, United States, ¹⁷NYU Langone Hospital, New York , New York, United States, ¹⁸ALBERT EINSTEIN COLLEGE MEDICINE, Bronx, New York, United States, ¹⁹Northwestern University, Chicago, Illinois, United States, ²⁰University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ²¹UNIVERSITY OF ALABAMA-BIRMINGHAM, Birmingham, Alabama, United States, ²²Mayo Clinic, Carefree, Arizona, United States, ²³Texas Biomedical Research Institute, San Antonio, Texas, United States, ²⁴Columbia University, New York, New York, United States, ²⁵University of California San Francisco, San Francisco, California, United States

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Central Vascular Implication in Neurocognitive Functioning among Men Living with and without HIV

Ray Jones¹, Jessica Blair¹, Zenoria Causey Pruitt¹, Michael Hanks¹, David E. Vance¹, Amanda Willig¹, Daniel M. Huck², Wendy S. Post⁷, Mary C. Masters³, Frank Palella³, Matthew J. Mimiaga⁴, Mallory Witt⁵, Jamie Peven⁶, Sabina Haberlen⁷, Mariam S. Aziz⁸, Roland J. Thorpe⁷, Emily B. Levitan¹, Thomas W. Buford¹

¹University of Alabama at Birmingham, Birmingham, Alabama, United States, ²Brigham and Women's Hospital, Harvard Medical School, Boston, Massachusetts, United States, ³Northwestern University, Chicago, Illinois, United States, ⁴University of California Los Angeles, Los Angeles, California, United States, ⁵Harbor-UCLA, Torrance, California, United States, ⁶University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ⁷Johns Hopkins University, Baltimore , Maryland, United States, ⁸Rush University, Chicago, Illinois, United States

PS01.07 Health Services Research, Outcomes and Practice Improvement

P1065

Contemporary trends and in-hospital outcomes of infective endocarditis among individuals with substance use disorders: A nationwide analysis

Rupal Aroza¹, Islam Y. Elgendy², Hannah Murphy³, Alyssa Alyssa³, Chris Delcher⁴, Hend Mansoor⁴

¹Pharmacy Practice and Science , University of Kentucky, Lexington , Kentucky, United States, ²University of Kentucky, Lexington, Kentucky, United States, ³Vizient Inc., East Rochester, New York, United States, ⁴University of Kentucky, Lexington, Kentucky, United States

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Improved Access to Cardiovascular Care Reduces Ischemic Heart Disease Mortality in Rural Ohio

Suryasnata Bhowmik¹, Anjan Gupta²

¹Nil Ratan Sircar Medical College, Kolkata, West Bengal, India, ²Interventional Cardiology, Case Western Reserve University, Ravenna, Ohio, United States

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Impact of Health Literacy, Numeracy, and Social Determinants on Readmission and Outpatient Adherence in Heart Failure Patients at an Urban Safety-Net Hospital

Juan David Coellar Pauta, Syed Kazim Rizvi, Nidhish Lokesh, Neil Keshvani

University of Texas Southwestern, Dallas, Texas, United States

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Comparative Analysis of Children's Persistence in a Lifestyle Modification Program and Body Mass Index Z-Score Changes According to the Access to a Family Grant Program at a Pediatric Obesity Management Clinic

Marie Cyrenne-Dussault², Julie St-Pierre¹, Jean-Philippe Drouin-Chartier²

¹McGill University, Maison de santé prévention - Approche 180, Montreal, Quebec, Canada, ²NUTRISS (Nutrition, Health and Society) Research Center, Institute on Nutrition and Functional Foods (INAF), Laval University, Quebec, Quebec, Canada

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Health Care Professional Perspectives on IMPLEMENT-HF: A Qualitative Study Examining Successes, Facilitators, and Barriers in a Quality Improvement Program for Patients with Heart Failure

Nicole Gonzalez¹, Sruthi Cherkur², Jalisa Powell⁴, Larry A. Allen⁵, Javed Butler¹⁰, Lee R. Goldberg⁶, Michelle M. Kittleson¹¹, Joann Lindenfeld⁷, Sara Paul⁸, Ileana Pina¹², Nancy K. Sweitzer⁹, Lynn Serdynski³

¹American Heart Association, Arlington, Virginia, United States, ²American Heart Association, Chicago, Illinois, United States, ³AHA, Cudahy, Wisconsin, United States, ⁴American Heart Association, Gambrills, Maryland, United States, ⁵UNIVERSITY COLORADO DENVER, Aurora, Colorado, United States, ⁶UNIVERSITY OF PENNSYLVANIA, Philadelphia, Pennsylvania, United States, ⁷VANDERBILT UNIVERSITY, Nashville, Tennessee, United States, ⁸CATAWBA VALLEY CARDIOLOGY, Hickory, North Carolina, United States, ⁹Washington University in St. Louis, St. Louis, Missouri, United States, ¹⁰Baim Institute for Clinical Research, Boston, Massachusetts, United States, ¹¹Cedars-Sinai, Los Angeles, California, United States, ¹²Thomas Jefferson University, Philadelphia, Pennsylvania, United States

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Predictors of Non-Arrival at Initial Study Screening Visits among Black Adults: Data from the GoFresh Trials

Ben Grobman¹, Christian Rivera¹, Ruth-Alma N. Turkson-Ocran¹, Jingyi Cao¹, Hannah Col¹, Md Marufuzzaman Khan¹, Mingyu Zhang¹, Manfred Mate-Kole¹, Timothy B. Plante², Stephen P. Juraschek¹
¹BIDMC-Harvard Medical School, Boston, Massachusetts, United States, ²University of Vermont, Colchester, Vermont, United States

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Training in motivational interviewing for pediatricians was associated with a higher uptake of wellness coaching: Results from the KP Wellness Coaching for Families and Kids (WC4K) Program
Corinna Koebnick¹, Eden Moore¹, Jessica Vallejo¹, Margo Sidell², Xia Li³, Emerson Delacroix⁴, Deborah R. Young⁵, Poornima Kunani⁶, Ken Resnicow⁴

¹KAISER PERMANENTE SOUTHERN CALIFORNIA, Pasadena, California, United States, ²Kaiser Permanente Research and Eval, Pasadena, California, United States, ³Kaiser Permanente, Pasadena, California, United States, ⁴School of Public Health, University of Michigan Health Behavior & Health Equity, Ann Arbor, Michigan, United States, ⁵KAISER PERMANENTE, Pasadena, California, United States, ⁶Kaiser Permanente, Manhattan Beach, California, United States

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Underutilization of Novel Guideline-Directed Medical Therapy in Patients with Heart Failure

Deepika Laddu¹, Manisha Cherupally¹, Raymond Kang¹, Ronald Ackermann¹, Amisha Wallia², David T. Liss¹, Sadiya S. Khan³, Matthew OBrien⁴

¹Northwestern University, Chicago, Illinois, United States, ²Northwestern University, Chicago, Illinois, United States, ³Northwestern University, Oak Park, Illinois, United States, ⁴Northwestern Feinberg School of Med, Chicago, Illinois, United States

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Optimizing Blood Pressure Control Strategies with Real-Time Data in Community Health Centers

Andrew L. Mills², Ashley Wagner¹, Gary Harmon¹, Eduardo J. Sanchez¹

¹American Heart Association, Madison, Wisconsin, United States, ²American Heart Association, Dallas, Texas, United States

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Assessing Health Literacy and the Role of Race and Social Determinants in Cardiac Patients.

Celestine Odigwe¹, Hanna Mayfield¹, rajasekhar r. mulyala¹, Mariam A. Riad¹, Hajira Malik¹, Brent Ruiz¹, Madhuri Mulekar², Christopher Malozzi¹, Bassam A. Omar¹, Nasser Lakkis¹

¹Cardiovascular Disease, University of South Alabama, Mobile, Alabama, United States, ²Mathematics and Statistics, University of South Alabama, Mobile, Alabama, United States

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Computer-based Technology Enhancing Cardiovascular Disease Risk Assessment by Health Workers in Rural Communities in Thailand: A Preliminary Analysis

Boonsub Sakboonyarat¹, Jaturon Poovieng², Kanlaya Jongcherdchutrakul¹, Mathirut Mungthin³, Ram Rangsin¹, Sunee Pongpinigpinyo⁴, Boonnarin Sakboonyarat⁴, Kanwara Srisawat⁴

¹Military and Community Medicine, Phramongkutklao College of Medicine, Bangkok, Thailand, ²Medicine, Phramongkutklao College of Medicine, Bangkok, Thailand, ³Parasitology, Phramongkutklao College of Medicine, Bangkok, Thailand, ⁴Computing, Silpakorn University, Nakhonpathom, Thailand

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A comparison of outpatient cardiac rehabilitation access between rural and urban counties in Tennessee

Phoebe Tran¹, Benjamin Fogelson², Andrew Sorey¹, Robert E. Heide², Raj Baljepally²

¹The University of Tennessee Medical Center, Knoxville, Tennessee, United States, ²University of Tennessee Graduate School of Medicine, Knoxville, Tennessee, United States

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Association of Poverty with Pharmacy Access in Minnesota

Jeremy Van't Hof¹, Katherine Knowles², David Van Riper², Pamela L. Lutsey³, Paul Drawz¹, Wendy St Peter¹

¹University of Minnesota, Minneapolis, Minnesota, United States, ²University of Minnesota, Oakland, California, United States, ³University of Minnesota, Minneapolis, Minnesota, United States

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Association Between Blood Sugar Counseling at Dental Visits and Diabetes Status: Findings from the 2011-2020 National Health and Nutrition Examination Survey

India E. Washington⁴, Chelsea Akubo², Maya Kramer¹, Shanshan Song⁵, Ruth-Alma N. Turkson-Ocran³, Oluwabunmi Ogungbe⁶

¹Johns Hopkins University, Baltimore, Maryland, United States, ²Boston University, Boston, Massachusetts, United States, ³Beth Israel Deaconess Medical Ctr, Boston, Massachusetts, United States, ⁴Health, Behavior and Society, Bloomberg School of Public Health Johns Hopkins University, Baltimore, Maryland, United States, ⁵Johns Hopkins School of Medicine, Baltimore, Maryland, United States, ⁶Johns Hopkins University School of Nursing, Baltimore, Maryland, United States

PS01.08 Heart Failure

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Barriers and Facilitators to Treatment Adherence: An Exploration of the Lived Experience of Patients with Heart Failure

William B. Burrows¹, Carolyn Lauckner¹, Anna Kucharska-Newton², Mary E. Leigh¹, Erin Abner¹, Daniela Moga¹, Meredith S. Duncan¹

¹University of Kentucky, Lexington, Kentucky, United States, ²UNIVERSITY NORTH CAROLINA, Chapel Hill, North Carolina, United States

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Urine Metabolomic Profiles Associated with Incident Heart Failure in Older Adults

Shinhye Chung¹, Elena Butz², Ngoc Quynh H. Nguyen¹, Guning Liu¹, Eun Hye Moon¹, Ron C. Hoogeveen³, Christie M. Ballantyne³, Amil M. Shah⁴, Paul Kimmel⁵, Vasana S. Ramachandran⁶, Pascal Schlosser⁷, Anna Koettgen⁸, Morgan Grams⁹, Josef Coresh¹⁰, Peggy Sekula¹¹, Bing Yu¹

¹Human Genetics Center, Department of Epidemiology, School of Public Health, University of Texas Health Science at Houston, Houston, Texas, United States, ²Department of Data Driven Medicine, Institute of Genetic Epidemiology, Medicine and Medical Center, University of Freiburg, Freiburg, Germany, ³Department of Medicine, Baylor College of Medicine, Houston, Texas, United States, ⁴Division of Cardiology, UT Southwestern Medical Center, Dallas, Texas, United States, ⁵National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, Bethesda, Maryland, United States, ⁶Section of Preventive Medicine and Epidemiology, Department of Medicine, Boston Medical Center and Boston University Chobanian and Avedisian School of Medicine, Boston, Massachusetts,; UT School of Public Health, San Antonio, Texas, United States, ⁷Centre for Integrative Biological Signalling Studies (CIBSS), University of Freiburg, Freiburg, Germany.;Department of Data Driven Medicine, Institute of Genetic Epidemiology, Faculty of Medicine and Medical Center - University of Freiburg, Freiburg, Germany.;Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States, ⁸Department of Data Driven Medicine, Institute of Genetic Epidemiology, Faculty of Medicine and Medical Center - University of Freiburg, Freiburg, Germany.; Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States, ⁹Division of Precision Medicine, Department of Medicine, New York University, New York, New York, United States, ¹⁰Optimal Aging Institute, Department of Medicine, New York University, New York, New York, United States, ¹¹Department of Data Driven Medicine, Institute of Genetic Epidemiology, Faculty of Medicine and Medical Center, University of Freiburg, Freiburg, Germany

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Estimating the Burden of Undiagnosis HFpEF in the Community

Ryan Demmer¹, Alanna M. Chamberlain², Ruoxiang Jiang¹, Lisa Vaughan¹, Barry A. Borlaug³

¹Mayo Clinic, Rochester, Minnesota, United States, ²MAYO CLINIC, Rochester, Minnesota, United States, ³MAYO CLINIC, Rochester, Minnesota, United States

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Religiosity and Risk of Heart Failure in the Southeastern United States

Taylor Dickson¹, Meng Xu¹, LaPrincess C. Brewer², Loren Lipworth¹, Deepak K. Gupta¹, Debra D. Dixon¹

¹Vanderbilt University Medical Ctr, Nashville, Tennessee, United States, ²MAYO CLINIC, Rochester, Minnesota, United States

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Association of Body Composition and Incident Heart Failure and Heart Failure with Preserved Ejection Fraction and Heart Failure with Reduced Ejection Fraction in postmenopausal women

Charles Eaton¹, mir mad m. madani⁵, Connor Miller³, Andrew Odegaard⁴, Michael J. LaMonte²

¹Charles Eaton, Plymouth, Massachusetts, United States, ²University at Buffalo - SUNY, Buffalo, New York, United States, ³University at Buffalo, Buffalo, New York, United States, ⁴University of California-

Irvine, Irvine, California, United States, ⁵Epidemiology, Brown University, Providence, Rhode Island, United States

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Heart Failure Incidence Among Disaggregated Asian American, Native Hawaiian, and Pacific Islander Subgroups: Insights from the PANACHE Study

Andrew P. Ambrosy¹, Yihe G. Daida², Rishi Parikh², Thida Tan³, Connor Howick¹, Stacey Alexeeff⁴, Joan C. Lo⁵, Alan S. Go⁶

¹Kaiser Permanente, San Francisco, California, United States, ²KAISER PERMANENTE, Oakland, California, United States, ³KPNC Division of Research, Pleasanton, California, United States, ⁴Kaiser Permanente, Oakland, California, United States, ⁵Kaiser Permanente Northern CA, Oakland, California, United States, ⁶KAISER PERMANENTE NORTHERN CAL, Pleasanton, California, United States

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Impact of Allostatic Load on Prevalent and Incident Pre-Heart Failure in the Echocardiographic Study of Latinos (ECHO-SOL)

Eric Hirsch¹, Ayana K. April-Sanders⁸, Priscilla Duran Luciano², Yawen Yuan², Carmen R. Isasi², Linda C. Gallo³, Barry E. Hurwitz⁴, Martha L. Daviglius⁵, Bonnie Shook-Sa⁷, Mayank M. Kansal⁵, Gregory A. Talavera⁶, krista perreira⁷, Carlos J. Rodriguez²

¹Cardiology, Mount Sinai Morningside, New York, New York, United States, ²Albert Einstein School of Medicine, Bronx, New York, United States, ³San Diego State University, Chula Vista, California, United States, ⁴UNIVERSITY OF MIAMI, Miami, Florida, United States, ⁵University of Illinois at Chicago, Chicago, Illinois, United States, ⁶SAN DIEGO STATE UNIVERSITY, Chula Vista, California, United States, ⁷University of North Carolina School, Chapel Hill, North Carolina, United States, ⁸Rutgers School of Public Health, Piscataway, New Jersey, United States

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The Association of Kidney Function Trajectories with Atrial Fibrillation, Heart Failure, and Mortality over a 19-Year Follow-up: Results from CRIC study

XUANYI JIN¹, L L. Hamm², Hua He³, Chung-shiuan Chen⁴, Siyi Geng¹, Oygen Suayp¹, Flor Alvarado⁵, Arnold B. Alper⁶, Geetika Gorrepati¹, Lydia A. Bazzano⁷, Katherine T. Mills⁸, Adriaan A. Voors⁹, Jiang He¹, Jing Chen¹⁰

¹tulane university, New Orleans, Louisiana, United States, ²Tulane University School of Medicine, New Orleans, Louisiana, United States, ³Tulane University, New Orleans, Louisiana, United States, ⁴TULANE UNIVERSITY, New Orleans, Louisiana, United States, ⁵Tulane University, New Orleans, Louisiana, United States, ⁶TULANE UNIVERSITY SCHOOL MED, New Orleans, Louisiana, United States, ⁷TULANE UNIVERSITY, New Orleans, Louisiana, United States, ⁸TULANE UNIVERSITY, New Orleans, Louisiana, United States, ⁹UNIVERSITY MEDICAL CENTER GRONINGEN, Gronien, Netherlands, ¹⁰UT Southwestern Medical Center, Dallas, Texas, United States

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Osteoprotegerin and Incident Heart Failure: insight from the Framingham Heart Study

Daisuke Kamimura¹, Wondwosen Yimer², Robert J. Mentz³, Amil M. Shah⁴, Arsalan Hamid², Javed Butler², Maria Clarissa C. Tio², Takeki Suzuki⁵, Emelia J. Benjamin⁶, Michael and Jo Alice E. Hall²

¹Yokohama City University Hospital, Yokohama, Japan, ²University of Mississippi Medical Center, Jackson, Mississippi, United States, ³DUKE UNIVERSITY HOSPITAL, Hillsborough, North Carolina, United States, ⁴UT Southwestern Medical Center, Dallas, Texas, United States, ⁵Indiana University, Carmel, Indiana, United States, ⁶Boston University School Medicine, Brookline, Massachusetts, United States

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Inhibition of Inositol 1,4,5-trisphosphate receptors (ITP3Rs) in Cardiac Myofibroblasts Attenuates Post-Ischemic Cardiac Fibrosis

Urna Kansakar¹, Fahimeh Varzideh², Xujun Wang³, Gaetano Santulli², Stanislovas Jankauskas¹

¹Albert Einstein College of Medicine, Bronx, New York, United States, ²Albert Einstein College of Medicine, Bronx, New York, United States, ³Alber Einstein Medical College, Bronx, New York, United States

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Association of NSAIDs Use, Pain Interference, and Incident Heart Failure among REGARDS Participants with Diabetes.

Yulia Khodneva¹, Orysa Soroka², Parag Goyal², Andrea Cherrington³, Ro-Jay Reid², Megan Nordberg⁴, Monika M. Safford⁵, Emily B. Levitan⁶

¹UAB, Birmingham, Alabama, United States, ²Weill Cornell Medicine, New York, New York, United States, ³University of Alabama at Birmingham, Birmingham, Alabama, United States, ⁴University of Alabama at Birmingham, Birmingham, Alabama, United States, ⁵WEILL CORNELL MEDICINE, New York, New York, United States, ⁶UNIVERSITY ALABAMA AT BIRMINGHAM, Birmingham, Alabama, United States

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Preclinical Heart Failure Risk of Metabolically Healthy Overweight/Obese Adults in Hispanic/Latino Adults.

Mason J. Krueger¹, Maria Llabre¹, Neil Schneiderman¹, Robert Kaplan³, Carlos J. Rodriguez³, Martha L. Daviglius⁶, Jianwen Cai⁵, Susan Cheng⁴, Mayank M. Kansal⁶, Ayana K. April-Sanders², Gregory A. Talavera⁷, Barry E. Hurwitz¹

¹Psychology, University of Miami, Miami, Florida, United States, ²Rutgers School of Public Health, Piscataway, New Jersey, United States, ³Albert Einstein School of Medicine, Bronx, New York, United States, ⁴Brigham and Women's Hospital, Boston, Massachusetts, United States, ⁵UNC Chapel Hill, Chapel Hill, North Carolina, United States, ⁶University of Illinois at Chicago, Chicago, Illinois, United States, ⁷SAN DIEGO STATE UNIVERSITY, Chula Vista, California, United States

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Race, Sex, and SES Differences in Heart Failure Incidence: A Cross-Cohort Collaboration

Miremad Moafi-Madani¹, Tiffany Hsieh¹, Chanelle J. Howe¹, Mary Roberts¹², Norrina B. Allen², Michael J. LaMonte³, David R. Jacobs⁴, Emily B. Levitan⁵, Nancy Min⁶, Anna Kucharska-Newton⁷, Wayne D. Rosamond⁷, Vanessa Xanthakis⁸, JORGE R. KIZER⁹, Faraz S. Ahmad¹⁰, Daniel E. Forman¹¹, James Newburg¹³, Charles Eaton¹²

¹Epidemiology, Brown University School of Public Health, Medway, Massachusetts, United States, ²NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ³University at Buffalo - SUNY, Buffalo, New York, United States, ⁴University of Minnesota, Minnetonka, Minnesota, United States, ⁵UNIVERSITY ALABAMA AT BIRMINGHAM, Birmingham, Alabama, United States, ⁶UMMC JACKSON HEART STUDY, Jackson, Mississippi, United States, ⁷University of North Carolina, Chapel Hill, North Carolina, United States, ⁸BU SCHOOL OF MEDICINE, Boston, Massachusetts, United States, ⁹San Francisco VA, San Francisco, California, United States, ¹⁰NORTHWESTERN UNIV SCHOOL MEDICINE, Chicago, Illinois, United States, ¹¹UNIVERSITY OF PITTSBURGH, Pittsburgh, Pennsylvania, United States, ¹²Department of Family Medicine, The Warren Alpert Medical School of Brown University, Providence, Rhode Island, United States, ¹³Center for Primary Care and Prevention, Kent Hospital, Pawtucket, Rhode Island, United States

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Patient-Specific Barriers to Establishing Outpatient Heart Failure Care Following Hospitalization

Megan Nordberg, Sarah E. Bowman, Stephen Clarkson, Jessica Williams, Andrea Cherrington

University of Alabama at Birmingham, Birmingham, Alabama, United States

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Hair Cortisol Concentration, Perceived Stress, and Physical Activity Among Patients with Heart Failure

Lauren M. Pageau¹, Dola Pathak², Milind Karve³, Darby Pickford⁴, Pallav Deka⁴

¹Department of Preventive Medicine, Northwestern University Feinberg School of Medicine, Chicago, Illinois, United States, ²Department of Statistics and Probability, Michigan State University, East Lansing, Michigan, United States, ³Capital Cardiology, PC, Lansing, Michigan, United States, ⁴College of Nursing, Michigan State University, East Lansing, Michigan, United States

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Geographic Variation of Healthcare Expenditures Among U.S. Adults with Heart Failure, 2012-2022

Brian Witrick¹, Megan Mayfield¹, Timothy Dotson²

¹Clemson University, Clemson, South Carolina, United States, ²West Virginia Clinical and Translation Science Institute, Morgantown, West Virginia, United States

PS01.09 LGBTQ Health

P1099

A Daily Diary Examination of the Associations of Adverse Childhood Experiences, Anticipated Discrimination, and Blood Pressure among Sexual and Gender Minority Adults

Lisa Pardee², Lauren Bochicchio¹, Billy A. Caceres¹

¹Columbia University, Forest Hills, New York, United States, ²Columbia University, NY, New York, United States

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Risk of Incident Heart Failure by Gender Identity among US Veterans

Ian Everitt¹, Meredith S. Duncan², Kory Heier², Hill Wolfe³, John R. OLeary³, Guneet Jasuja⁴, Carl Streed⁴, Monica Mukherjee¹

¹Johns Hopkins University, Baltimore, Maryland, United States, ²University of Kentucky, Lexington, Kentucky, United States, ³Yale University, New Haven, Connecticut, United States, ⁴Boston University, Boston, Massachusetts, United States

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Associations Between Cardiovascular Risk Behaviors and Sleep Duration in Young Adult Sexual Minority Men

Tania de Jesus Espinosa¹, David T. Lardier³, Marlene Camacho-Rivera², Keosha Bond⁵, Trace Kershaw⁴, S Raquel Ramos¹

¹School of Nursing, Yale University, Orange, Connecticut, United States, ²School of Public Health, SUNY Downstate Health Sciences University, Brooklyn, New York, United States, ³School of Medicine, The University of New Mexico, Albuquerque, New Mexico, United States, ⁴School of Public Health, Yale University, New Haven, Connecticut, United States, ⁵Department of Medicine, City University New York, New York, New York, United States

PS01.10 Nutrition and Diet 1

P1102

Racial and Ethnic Differences in Sodium Sources and Sodium Reduction Behaviors among US Adults: NHANES 2017-2020 Pre Pandemic

Jessica Cheng¹, Anne N. Thorndike², Stella S. Yi³

¹Mass Gen Hospital, Harvard SPH, Boston, Massachusetts, United States, ²MASSACHUSETTS GENERAL HOSPITAL, Boston, Massachusetts, United States, ³NYU, New York City, New York, United States

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Sodium Misestimation in the National Health and Nutrition Examination Survey (NHANES): Implications for Surveillance

Jessica Cheng¹, Anne N. Thorndike², Stella S. Yi³

¹Mass Gen Hospital, Harvard SPH, Boston, Massachusetts, United States, ²MASSACHUSETTS GENERAL HOSPITAL, Boston, Massachusetts, United States, ³NYU, New York City, New York, United States

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The Association Between Subjective Social Status and Dietary Quality Within Occupational Groups of African Americans: The Jackson Heart Study

Nathan Conner¹, Jennifer C. Reneker², Philip Turk³, Olivia Affuso⁵, Sameera Talegawkar⁴

¹Kinesiology, Mississippi State University, Madison, Wisconsin, United States, ²Univ. of Mississippi Medical Center, Jackson, Mississippi, United States, ³Family and Community Medicine, Northeast Ohio Medical University, Rootstown, Ohio, United States, ⁴Milken Institute Schl of Pub Health, Washington, District of Columbia, United States, ⁵Council on Black Health, Raleigh, North Carolina, United States

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The Planetary Health Diet Score is Inversely Associated with Sodium Intake in NHANES, Pre-Pandemic (2017-2020)

Katherine Copp, Abigail Johnson, Lisa Harnack

University of Minnesota, Minneapolis, Minnesota, United States

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Adherence to Dutch dietary guidelines and long-term mortality risk in post-myocardial infarction patients of the Alpha Omega Cohort

Esther Cruijnsen¹, Iris van Damme¹, Frank L. Visseren², Johanna M. Geleijnse¹

¹Wageningen University and Research, Wageningen, Netherlands, ²University Medical Center Utrecht, Utrecht, Netherlands

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The Beverage Quality Index is not associated with type 2 diabetes incidence in Mexican women: a prospective analysis of the Mexican Teachers' Cohort

Maria G. Jacobo Cejudo¹, Adriana Monge Urrea³, Neha Khandpur¹, Trudy Voortman², Dalia Stern³, Johanna M. Geleijnse¹

¹Wageningen University & Research, Wageningen, Netherlands, ²Erasmus MC, Rotterdam, Netherlands, ³National Institute of Public Health, Cuernavaca, Mexico

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Plasma metabolome of a cholesterol-lowering plant-based diet and cardiometabolic disease risk

Andrea J. Glenn¹, Anne-Julie Tessier², Meaghan E. Kavanagh⁶, Gloria A. Morgan³, Clary Clish⁴, Richard Bazinet⁶, Simin Liu⁵, Cyril Kendall⁶, Eric Rimm⁸, JoAnn E. Manson⁷, Qi Sun⁸, Liming Liang⁸, Jordi Salas-Salvado⁹, David Jenkins⁶, Frank B. Hu¹⁰, John L. Sievenpiper⁶

¹New York University, New York, New York, United States, ²University of Montreal, Montreal, Quebec, Canada, ³Scarborough Health Network, Toronto, Nunavut, Canada, ⁴Broad Institute of MIT and Harvard, Cambridge, Massachusetts, United States, ⁵University of California Irvine, Irvine, California, United States, ⁶University of Toronto, Toronto On, Ontario, Canada, ⁷Brigham and Women's Hospital, Boston, Massachusetts, United States, ⁸HARVARD SCHOOL OF PUBLIC HEALTH, Boston, Massachusetts, United States, ⁹Universitat Rovira i Virgili, Reus, Spain, ¹⁰HARVARD SCHOOL OF PUBLIC HEALTH, Boston, Massachusetts, United States

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Yogurt consumption is associated with poorer sleep outcomes cross-sectionally, but not long-term

Emma Guyonnet¹, Pauline Duquenne², Mathilde Touvier², Valentina Andreeva², Marie-Pierre St-Onge¹
¹COLUMBIA UNIVERSITY, New York, New York, United States, ²Sorbonne Paris Nord, Paris, France

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Pecan Intake Improves Lipoprotein Particle Concentrations Compared to Usual Intake in Adults at Increased Risk for Cardiometabolic Diseases: a 12-Week Randomized Controlled Trial

Tricia Hart¹, Penny M. Kris-Etherton², Kristina Petersen³

¹Pennsylvania State University, University Park, Pennsylvania, United States, ²PENNSYLVANIA STATE UNIV, State College, Pennsylvania, United States, ³Penn State University, University Park, Pennsylvania, United States

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Metabolomic Architecture of Different Composition of Fat, Carbohydrates, and Proteins in Randomized Weight-Loss Diet Intervention Trial

Yoriko Heianza¹, Difei Liu¹, Jennifer Rood², Frank B. Hu³, George Bray⁴, Frank M. Sacks³, Lu Qi¹

¹Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana, United States, ²Pennington Biomedical Research, Baton Rouge, Louisiana, United States, ³HARVARD SCHOOL OF PUBLIC HEALTH, Boston, Massachusetts, United States, ⁴Pennington Research Institute, Baton Rouge, Louisiana, United States

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Improving School Food: A Novel Tool to Identify Priorities for Effective Policy Change in Nepal School Environments

Megan E. Henry¹, Namuna Shrestha², Priza Pradhananga², Nicole Ide³, Christine J. Curtis³, Ashley Lederer³, Archana Shrestha², Sara Benjamin-Neelon⁴

¹Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States, ²Department of Public Health and Community Programs, Dhulikhel Hospital - Kathmandu University Hospital, Dhulikhel, Nepal, ³Resolve to Save Lives, New York, New York, United States, ⁴Department of Health, Behavior and Society, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States

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Periconceptional DASH Diet and Adverse Pregnancy Outcomes:

McKenzie K. Jancsura⁸, William Grobman¹, Jiqiang Wu⁸, Michael Wirth², David Haas³, Hy Simhan⁴, Robert Silver⁵, George Saade⁶, Lynn Yee⁷, kartik venkatesh⁸

¹Brown University, Providence, Rhode Island, United States, ²University of South Carolina, Columbia, South Carolina, United States, ³Indiana University, Indianapolis, Indiana, United States, ⁴University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania, United States, ⁵University of Utah, Salt Lake City, Utah, United States, ⁶Eastern Virginia Medical School, Norfolk, Virginia, United States, ⁷Northwestern, Chicago, Illinois, United States, ⁸The Ohio State University, Columbus, Ohio, United States

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Correlations Between VeggieMeter and Self-reported Carotenoid, Fruit and Vegetable Intake Among Older Adults: Results from Bringing the Diabetes Prevention Program to Geriatric Populations

Emily A. Johnston¹, Josephine Dudzik², Jack Yanming Chen², Taj Adams¹, Adeep Kulkarni⁵, Stella S. Yi⁴, Souptik Barua¹, Joshua Chodosh³, Jeannette Beasley¹

¹Medicine, NYU Grossman School of Medicine, New York, New York, United States, ²Nutrition and Food Studies, New York University, New York, New York, United States, ³Medicine, NYU Grossman School of Medicine, New York, New York, United States, ⁴Population Health, NYU Grossman School of Medicine, New York, New York, United States, ⁵NYU Grossman School of Medicine, New York, New Jersey, United States

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A Qualitative Study of Perspectives on South Asian Dietary Practices: Exploring a Framework for Culturally Tailored Food-is-Medicine Interventions

Srivarsha Kaloth¹, Nurgul Fitzgerald², Karen Mae Bacalia², Aparna Kalbag³, Soko Setoguchi¹

¹Rutgers Robert Wood Johnson Medical School, North Brunswick, New Jersey, United States, ²Department of Nutritional Sciences, Rutgers University, New Brunswick, New Jersey, United States, ³Rutgers Institute for Health, Health Care Policy and Aging Research, New Brunswick, New Jersey, United States

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The DASH Dietary Pattern and Risk of Cardiovascular Disease Mortality During 1988-2019 in US Adults: A Population-Based Cohort Study

Meaghan E. Kavanagh¹, Andreea Zurbau², Andrea J. Glenn³, Laura Chiavaroli⁴, Cyril Kendall⁵, David Jenkins², John L. Sievenpiper⁵

¹Nutritional Sciences, University of Toronto, Toronto, Ontario, Canada, ²University of Toronto, North York, Ontario, Canada, ³New York University, New York, New York, United States, ⁴University of Toronto, Toronto, Ontario, Canada, ⁵University of Toronto, Toronto On, Ontario, Canada

PS01.11 Physical Activity and Sedentary Behavior 1

P1117

24-hour Movement Behaviors and BMI Among a National, Diverse Sample of Adolescents

Tiwaloluwa Ajibewa¹, Lindsay Master⁴, Robert Booker², Mandy Wong³, David Reichenberger⁵, Gina Mathew⁶, Orfeu Buxton⁷, Anne-Marie Chang⁴, Lauren Hale⁶

¹Northwestern University, Chicago, Illinois, United States, ²Northwestern University, Chicago, Illinois, United States, ³Northwestern University, Chicago, Illinois, United States, ⁴Pennsylvania State University, University Park, Pennsylvania, United States, ⁵Oregon Health & Science University, Portland, Oregon, United States, ⁶Stony Brook University School of Medicine, Stony Brook, New York, United States, ⁷Pennsylvania State University, University Park, Pennsylvania, United States

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Association Between Moderate Physical Activity and Perceived Risk for Heart Disease

Nekayla Anderson¹, Olivia Affuso², ALEXANDRA KRALLMAN⁴, Bertha Hidalgo³

¹University of Alabama at Birmingham, Madison, Alabama, United States, ²Council on Black Health, Raleigh, North Carolina, United States, ³UNIVERSITY OF ALABAMA AT BIRMINGHAM, Birmingham, Alabama, United States, ⁴University of North Carolina Wilmington, Wilmington, North Carolina, United States

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Model-based Replacement of Sedentary Time with Light Intensity Physical Activity is Associated with Improved Cardiometabolic Risk Score over 15 Years of Midlife in the CARDIA Study

Sylvia E. Badon¹, Alex Asera¹, Erin E. Dooley², Kara M. Whitaker³, Bjoern Hornikel², Ankeet Bhatt¹, Robert Booker⁴, Barbara Sternfeld¹, Kelley P. Gabriel²

¹Division of Research, Kaiser Permanente Northern Cal, Pleasanton, California, United States, ²University of Alabama at Birmingham, Birmingham, Alabama, United States, ³UNIVERSITY OF IOWA, Iowa City, Iowa, United States, ⁴Northwestern University, Chicago, Illinois, United States

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Association Between Depression and Movement Behaviors with Risk of Mortality among people with Arthritis: The National Health and Nutrition Examination Survey (NHANES) 2007-2016

Shivangi Bajpai¹, Lingsong Kong², Amanda E. Paluch³

¹UMass, Amherst, Amherst, Massachusetts, United States, ²University of Massachusetts Amherst, Amherst, Massachusetts, United States, ³University of Massachusetts Amherst, Amherst, Massachusetts, United States

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Late-Life Physical Activity and Brain Imaging and Plasma Biomarkers of Alzheimer's Disease Pathology, Cerebrovascular Disease, and Neurodegeneration: The Atherosclerosis Risk in Communities Neurocognitive (ARIC-NCS) Study

Jenna Barbee¹, Zhengyi Gu¹, James R. Pike², Jinyu Chen³, Alexandra Munson¹, Katherine Kartheiser¹, Kelley P. Gabriel⁴, David Knopman⁵, Timothy M. Hughes¹⁴, Keenan Walker⁶, Rebecca F. Gottesman⁷, Kevin Sullivan¹¹, B Gwen Windham⁸, Pamela L. Lutsey⁹, Bharat Thyagarajan⁹, A R. Sharrett¹⁰, Thomas Mosley¹¹, Joe Coresh¹², Priya Palta¹³

¹University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ²Johns Hopkins University, Chapel Hill, North Carolina, United States, ³UNC Chapel Hill, Chapel Hill, North Carolina, United States, ⁴UAB P-Cards, Birmingham, Alabama, United States, ⁵Mayo Clinic, Rochester, Minnesota, United States, ⁶National Institute on Aging, Mount Airy, Maryland, United States, ⁷NINDS, Bethesda, Maryland, United States, ⁸UMMC, The MIND Center, Jackson, Mississippi, United States, ⁹University of Minnesota, Minneapolis, Minnesota, United States, ¹⁰JOHN HOPKINS UNIV, Baltimore, Maryland, United States, ¹¹UNIV MS MEDICAL CTR, Jackson, Mississippi, United States, ¹²JOHNS HOPKINS SPH WELCH CENTER, Baltimore, Maryland, United States, ¹³UNC Chapel Hill, Chapel Hill, North Carolina, United States, ¹⁴Wake Forest School of Medicine, Winston-Salem, North Carolina, United States

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Reducing Sedentary Behavior and Cardiometabolic Biomarkers: Results from the RESET BP Trial

Bethany Barone Gibbs¹, Subashan Perera², Molly Conroy⁵, John M. Jakicic³, Matthew F. Muldoon⁴

¹West Virginia University, Morgantown, West Virginia, United States, ²University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ³University of Kansas Medical Center, Lenexa, Kansas, United States, ⁴UNIV OF PITTSBURGH, Pittsburgh, Pennsylvania, United States, ⁵University of Utah, Salt Lake City, Utah, United States

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Longitudinal Associations of 24-hour Movement Behaviors with Heart Failure: The Jackson Heart Study

Robert Booker¹, Mercedes R. Carnethon², Dorothea Dumuid⁷, Raymond Jones⁸, Sadiya S. Khan³, Chiadi E. Ndumele⁴, Robert L. Newton⁵, Shaina J. Alexandria⁶

¹Northwestern University, Chicago, Illinois, United States, ²NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ³Northwestern University, Oak Park, Illinois, United States, ⁴JOHNS HOPKINS HOSPITAL, Baltimore, Maryland, United States, ⁵PENNINGTON BIOMEDICAL RESEARCH CENT, Baton Rouge, Louisiana, United States, ⁶Northwestern University, Chicago, Illinois, United States, ⁷Alliance for Research in Exercise, Nutrition and Activity, University of South Australia, Adelaide, South Australia, Australia, ⁸Department of Medicine, University of Alabama at Birmingham, Birmingham, Alabama, United States

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Investments in Programming by Depts. of Recreation and Parks is Associated with Reductions in Cardiovascular Disease and Other Health Outcomes

Deborah Cohen, In-Lu Amy Liu, Aiyu Chen, Devin Teichrow

Research and Evaluation, Kaiser Permanente, Pasadena, California, United States

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Targeted Health Coaching Intervention to Improve Physical Activity and Physical Function Post-Structured Cardiac Rehabilitation Programming Among Older Adults: A Pilot Study

Katherine A. Collins-Bennett¹, Julie Counts², Johanna Johnson³, Katie Kennedy², Agustin A. Saldana², Kim Huffman², William E. Kraus⁴

¹Department of Population Health Sciences, Duke University School of Medicine, Durham, North Carolina, United States, ²Duke University School of Medicine, Durham, North Carolina, United States, ³Duke University - Center for Living, Durham, North Carolina, United States, ⁴DUKE UNIVERSITY MEDICAL CTR, Durham, North Carolina, United States

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Cognitive Decline is Associated with Fewer Daily Steps and More Sedentary Behaviors Among Older Adults in Multi-Ethnic Study of Atherosclerosis (MESA)

Erin E. Dooley¹, Bjoern Hornikel¹, Alexandra Munson⁴, Timothy M. Hughes⁶, Jose A. Luchsinger², Susan R. Heckbert³, Benjamin D. Boudreaux², Keith M. Diaz⁵, Priya Palta⁴, Kelley P. Gabriel¹

¹University of Alabama at Birmingham, Birmingham, Alabama, United States, ²Columbia University, New York, New York, United States, ³University of Washington, Seattle, Washington, United States, ⁴University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ⁵Columbia University Medical Center, New York, New York, United States, ⁶Wake Forest University School of Medicine, Winston-Salem, North Carolina, United States

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Socioeconomic Influences on Physical Activity in Middle-Aged Adults from Rural US: The Bogalusa Heart Study

Vanessa Fonseca Lomeli¹, Shirine Moukaled¹, Iyinope Sivebukola¹, Camilo Fernandez¹, Phillip Hwang², Robert L. Newton³, Ileana De Anda-Duran¹, Lydia A. Bazzano¹

¹Tulane University, New Orleans, Louisiana, United States, ²Department of Epidemiology, Boston University, Boston, Massachusetts, United States, ³PENNINGTON BIOMEDICAL RESEARCH CENT, Baton Rouge, Louisiana, United States

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Trajectories of Physical Activity Before and After Cardiovascular Disease Events in a Diverse Cohort

Yariv Gerber¹, Kelley P. Gabriel², David R. Jacobs³, Jared P. Reis⁴, Joe Shearer⁴, Cora E. Lewis², Mercedes R. Carnethon⁵, Stephen Sidney⁶, Veronique L. Roger⁴

¹TEL AVIV UNIVERSITY, Tel Aviv, Israel, ²UNIV ALABAMA BIRMINGHAM, Birmingham, Alabama, United States, ³University of Minnesota, Minnetonka, Minnesota, United States, ⁴NATIONAL

HEART LUNG BLOOD INST, Bethesda, Maryland, United States, ⁵NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ⁶Kaiser Permanente, Oakland, California, United States

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Physical Activity Types, Variety, and Mortality: Results from Two Prospective Cohort Studies

Jinbo Hu, Han Han, Dong Hoon Lee, Yiwen Zhang, Edward Giovannucci, Meir J. Stampfer, Frank B. Hu, Yang Hu, Qi Sun

Harvard School of Public Health, Boston, Massachusetts, United States

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Patterns of Physical Activity from Midlife to Late Life: The Multi-Ethnic Study of Atherosclerosis (MESA)

Bjoern Hornikel¹, Erin E. Dooley², Alexandra Munson³, Benjamin D. Boudreaux⁴, David R. Jacobs⁵, Keith M. Diaz⁶, Priya Palta⁷, Kelley P. Gabriel⁸

¹The University of Alabama at Birmingham, Birmingham, Alabama, United States, ²University of Alabama at Birmingham, Birmingham, Alabama, United States, ³Neurology, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ⁴Columbia University, New York, New York, United States, ⁵University of Minnesota, Minnetonka, Minnesota, United States, ⁶COLUMBIA UNIVERSITY MEDICAL CENTER, New York, New York, United States, ⁷UNC Chapel Hill, Chapel Hill, North Carolina, United States, ⁸UAB P-Cards, Birmingham, Alabama, United States

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Comparisons of daily patterns of accelerometry-derived physical activity between interdialytic and dialysis days, by session, among patients on hemodialysis.

Pablo Martinez-Amezcu¹, Alfredo Fuentes², Erika E. Jaime Borja², Rodrigo Gopar-Nieto³, Fernanda Garza Romero², Salvador Lopez Gil²

¹Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States, ²Nephrology, National Institute of Cardiology, Mexico City, Mexico, ³Cardiology, Mexico City, Mexico

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The long-term risk of knee and hip joint replacements attributable to overweight and obesity in the community: the Atherosclerosis Risk in Communities (ARIC) Study

Yejin Mok⁴, Pamela L. Lutsey², Priya Palta³, Chiadi E. Ndumele¹, Michael J. Blaha¹, Matthew Best¹, Kunihiro Matsushita⁴

¹Johns Hopkins University, Baltimore, Maryland, United States, ²University of Minnesota, Minneapolis, Minnesota, United States, ³UNC Chapel Hill, Chapel Hill, North Carolina, United States, ⁴Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States

PS01.12 Pregnancy and Maternal and Fetal Health 1

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Higher Risk of Adverse Pregnancy Outcomes Among Black Women with Hypertrophic Cardiomyopathy Compared to White and Hispanic Women in The United States.

Duke Appiah¹, Oluwatobi E. Oladeji¹, Eric Broni², Imo A. Ebong³, Catherine Kim⁴

¹Texas Tech University Health Sciences Center, Lubbock, Texas, United States, ²University of Pennsylvania, Philadelphia, Pennsylvania, United States, ³UNIVERSITY OF CALIFORNIA DAVIS, Sacramento, California, United States, ⁴UNIV OF MICHIGAN, Ann Arbor, Michigan, United States

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Sedentary and Lighter-Intensity Activity Patterns across Trimesters of Pregnancy: the Pregnancy 24/7 Cohort

Bethany Barone Gibbs¹, Janet M. Catov⁵, Maisa Feghali², Jacob Gallagher³, Jaemyung Kim⁴, Christopher E. Kline², Mark K. Santillan³, Donna A. Santillan³, M Bridget Zimmerman³, Kara M. Whitaker³

¹West Virginia University, Morgantown, West Virginia, United States, ²Pittsburgh, Pennsylvania, United States, ³University of Iowa, Iowa City, Iowa, United States, ⁴University of Iowa, Iowa City, Iowa, United States, ⁵UNIVERSITY OF PITTSBURGH, Pittsburgh, Pennsylvania, United States

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Evidence Lacking for Association Between two Variants of the *CRP* Gene and Pre-eclampsia: Strong Heart Study

Lyle G. Best¹, Jessica A. Reese², Saroja Voruganti⁵, Quan Sun⁶, Nora Franceschini⁸, Shelley Cole⁷, Jason G. Umans³, Emily Harville⁴

¹Missouri Breaks Industries Research, Watford City, North Dakota, United States, ²University of Oklahoma- HSC, Oklahoma City, Oklahoma, United States, ³MedStar Health Research Institute, BETHESDA, Maryland, United States, ⁴Tulane University, New Orleans, Louisiana, United States, ⁵UNC NUTRITION RESEARCH INSTITUTE, Kannapolis, North Carolina, United States, ⁶Department of Biostatistics, University of North Carolina, Chapel Hill, North Carolina, United States, ⁷Texas Biomedical Research Institute, San Antonio, Texas, United States, ⁸UNIVERSITY NORTH CAROLINA, Chapel Hill, North Carolina, United States

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Fetal C-Reactive Protein rs1205 Genotype Associated with Maternal Pre-eclampsia

Lyle G. Best², Crystal Azure³, Hailey Davis¹, Lauryn Jeanotte¹, Shyanna LaRocque¹, Sabra Poitra¹, Shayden Standish¹, Tyler J. Parisien¹, Kelsey Morin¹

¹Natural Science, Turtle Mountain Community College, Belcourt, North Dakota, United States, ²Pathology, University of North Dakota, Grand Forks, North Dakota, United States, ³Natural Science, Turtle Mountain Community College, Belcourt, North Dakota, United States

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The associations between maternal cardiovascular health scores during pregnancy and growth status of 0-2 years old infants: A birth cohort study

Jiang bibo², Yujing Chen¹, Xiaonan Gu², Xuanqing He², Mengfan Li², Shuyue Huang², Li Cai²

¹The Chinese University of Hong Kong, The Jockey Club School of Public Health and Primary Care, Hong Kong, China, ²Department of Maternal and Child Health, Guangzhou, --- Select One ---, China

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Examining the Association between Breastfeeding and Isolated Diastolic Hypertension during the Postpartum Period at a Safety-Net Hospital

Sharon M. Casey³, Idalis Chestnut¹, Christina Yarrington⁴, Samantha Parker²

¹Epidemiology, Boston University School of Public Health, Boston, Massachusetts, United States, ²BOSTON UNIVERSITY SCHPUBLIC HEALTH, Boston, Massachusetts, United States, ³Epidemiology, Boston University School of Public Health, Boston, Massachusetts, United States, ⁴Obstetrics & Gynecology, Boston Medical Center, Boston University Chobanian and Avedisian School of Medicine, Boston, Massachusetts, United States

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Lower Pre-Pregnancy Cardiovascular Health is Associated with Higher Odds of Hypertensive Disorders of Pregnancy: Coronary Artery Risk Development in Young Adults Study (CARDIA)

Leah Dodds¹, Daniel Feaster⁹, Catarina I. Kiefe⁷, Erica P. Gunderson², Natalie A. Bello⁵, Tatjana Rundek³, Michael Paidas⁴, Shathiyah Kulandavelu⁶, Tali Elfassy⁸

¹Department of Public Health Sciences, University of Miami Miller School of Medicine, Miami, Florida, United States, ²Department of Health Systems Science, Bernard J Tyson Kaiser Permanente School of Medicine, Oakland, California, United States, ³Department of Neurology, University of Miami Miller School of Medicine, Miami, Florida, United States, ⁴Department of Obstetrics, Gynecology, and Reproductive Sciences, University of Miami Miller School of Medicine, Miami, Florida, United States, ⁵Smidt Heart Institute, Cedars Sinai Medical Center, Los Angeles, California, United States, ⁶Department of Pediatrics & Interdisciplinary Stem Cell Institute, University of Miami Miller School of Medicine, Miami, Florida, United States, ⁷Department of Population and Quantitative Health Sciences, University of Massachusetts Medical School, Sterling, Massachusetts, United States, ⁸Department of Medicine, University of Miami Miller School of Medicine, Miami, Florida, United States, ⁹Department of Biostatistics, University of Miami Miller School of Medicine, Miami, Florida, United States

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PREVENT 30-Year CVD Risk Associated With Greater Odds of Adverse Pregnancy Outcomes

Alexa Freedman¹, Sadiya S. Khan², Ellen Francis³, Lauren Keenan-Devlin⁴, Linda Ernst⁵, Gregory Miller⁶, Ann Borders⁴

¹Northwestern University, Chicago, Illinois, United States, ²Northwestern University, Oak Park, Illinois, United States, ³Biostatistics and Epidemiology, Rutgers University, Piscataway, New Jersey, United States, ⁴Obstetrics and Gynecology, Endeavor Health, Evanston, Illinois, United States, ⁵Pathology and Laboratory Medicine, Endeavor Health, Evanston, Illinois, United States, ⁶NORTHWESTERN UNIVERSITY, Evanston, Illinois, United States

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Breastfeeding and Postpartum Cardiovascular Health Behaviors at 3 Months in the Postpartum 24/7 Cohort

Elly Marshall¹, Kara M. Whitaker², Kathryn Chmelik³, Taylor Marske², Amna Umer³, Christa Lilly⁴, Bethany Barone Gibbs⁵

¹West Virginia University, Morgantown, West Virginia, United States, ²UNIVERSITY OF IOWA, Iowa City, Iowa, United States, ³WEST VIRGINIA UNIVERSITY, Morgantown, West Virginia, United States, ⁴WEST VIRGINIA UNIVERSITY, Morgantown, West Virginia, United States, ⁵West Virginia University, Morgantown, West Virginia, United States

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Small for Gestational Age and Lipid Parameters During the First 14-16 Months of Life

Sofie T. Nielsen², Rikke Mohr Lytsen², Anne-Sophie Sillesen¹, Anna Axelsson², Ruth Ottilia Birgitta Voegg², PIA R. KAMSTRUP³, Kasper Iversen¹, Henning Bundgaard², Ruth Frikke-Schmidt²

¹Herlev University Hospital, 2730 Herlev, Denmark, ²Rigshospitalet, Copenhagen, Denmark, ³Copenhagen University Hospital, Herlev, Denmark

PS01.13 Promoting and Measuring Health Behaviors

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Not So Invincible: Young Adults with Prediabetes Report Fear of Future Diabetes Motivates Behavior Change

Abigail Arons, Mai Baalbaki, Amy Beck

UCSF, San Francisco, California, United States

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Changes in Dietary Intake, Physical Activity and Cardiometabolic Risk Factors in University Students

Frederique Bernier-Bergeron, Jacques Plouffe, Patricia Blackburn
UQAC, Chicoutimi, Quebec, Canada

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Feasibility of a Culturally-tailored Diet and Physical Activity Intervention for Zimbabwean Immigrants in the US

Clara Gona², Kenya D. Palmer Emrich², Olivia W. Thomas³, Rosalia S. Gotora², Philimon N. Gona¹
¹Urban Public Health, University of Massachusetts Boston, Hyde Park, Massachusetts, United States, ²Nursing, MGH Institute of Health Professions, Charlestown Navy Yard, Massachusetts, United States, ³Nutrition Innovation and Implementation, Boston Medical Center, Boston, Massachusetts, United States

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A Multifaceted Blood Pressure Intervention Improves Medication Adherence in Low Income Adults with Hypertension

Marie A. Krousel-Wood¹, Erin Peacock¹, Katherine T. Mills¹, Farah Allouch², Alecia Cyprian⁸, Gerrelda Davis³, Sonja Fuqua⁹, Darie S Gilliam¹⁰, Angel Greer⁴, Tammy Mitchell¹¹, Lea Gray Winfrey¹², Shondra Williams¹³, Gary Wiltz⁵, Keith Winfrey¹⁴, Jing Chen⁶, Jiang He⁷
¹TULANE UNIVERSITY, New Orleans, Louisiana, United States, ²Tulane University, New Orleans, Louisiana, United States, ³Louisiana Primary Care Association, Baton Rouge, Louisiana, United States, ⁴Coastal Family Health Center, Biloxi, Mississippi, United States, ⁵Teche Clinic, Franklin, Louisiana, United States, ⁶UT Southwestern Medical Center, Dallas, Texas, United States, ⁷UT Southwestern Medical Center, Dallas, Texas, United States, ⁸Southeast Community Health Systems, Zachary, Louisiana, United States, ⁹Community Health Care Association of Mississippi, Jackson, Mississippi, United States, ¹⁰RKM Primary Care, Clinton, Louisiana, United States, ¹¹SWLA Center for Health Services, Lake Charles, Louisiana, United States, ¹²EXCELth Primary Care, New Orleans, Louisiana, United States, ¹³InclusivCare, Marrero, Louisiana, United States, ¹⁴NOELA Community Health Center, New Orleans, Louisiana, United States

P1147

Psychological well-being: an asset for healthy lifestyles in young adults and primordial prevention later in life

Pamela Mondragon¹, Marie-Pierre Sylvestre², Isabelle Dore², Jennifer O'Loughlin², Claudia Trudel-Fitzgerald¹
¹Université du Québec à Trois-Rivières, Montreal, Quebec, Canada, ²Université de Montréal, Montreal, Quebec, Canada

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Coping with stressors: Does it predict health behaviors over more than a decade?

Pamela Mondragon¹, Laura Kubzansky², Scott Smith², Claudia Trudel-Fitzgerald¹
¹UQTR, Montreal, Quebec, Canada, ²Harvard TH Chan School of Public Health, Boston, Massachusetts, United States

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SAHAS-CR: Improving Cardiovascular Disease and Stroke Prevention Awareness in South Asians using a Culturally Tailored Approach

Taniya T. Thomas¹, Aneri Patel¹, Lauren Dori¹, Komal Hombal¹, Divya Mohanraj¹, Richa Nathan¹, Burhanuddin Sabir¹, Drishti Patel², Gurpreet Singh³

¹Albany Medical College, Albany, New York, United States, ²University of New Mexico, Albuquerque, New Mexico, United States, ³Albany Medical Center, Albany, New York, United States

P1150

Self-Efficacy is Associated with Health Behaviors Related to Cardiovascular Risk among Hispanic/Latinx and Somali Immigrants to the United States

Brianna Tranby¹, Irene G. Sia¹, Matthew Clark¹, Paul Novotny¹, Abby M M. Lohr², Laura Suarez Pardo³, Christi Patten⁴, Sheila Iteghete¹, Katherine Zeratsky¹, Thomas Rieck¹, Luz Molina¹, Maria de la Luz Graciela Porraz Capetillo⁵, Yahye Amed¹, Hana Dirie¹, Mark Wieland⁶

¹Mayo Clinic, Rochester, Minnesota, United States, ²Mayo Clinic, Rochester, Minnesota, United States, ³Mayo Clinic, Rochester, Minnesota, United States, ⁴Mayo Clinic, Rochester, Minnesota, United States, ⁵Mayo Clinic, Rochester, Minnesota, United States, ⁶Mayo Clinic, Rochester, Minnesota, United States

PS01.14 Subclinical Cardiovascular Disease

P1151

Varying Measures of Subclinical Carotid Arterial Injury and the Associations with Incident Cardiovascular Disease in Older Men: The British Regional Heart Study.

Atinuke Akinmolayan¹, Olia Papacosta¹, Lucy Lennon¹, Elizabeth Ellins², Julian P. Halcox³, Peter Whincup⁴, Goya Wannamethee¹

¹Primary Care and Population Health, University College of London, Hertfordshire, United Kingdom, ²SWANSEA UNIVERSITY, Swansea, United Kingdom, ³Swansea University Medical School, Swansea, United Kingdom, ⁴St George's University of London, London, United Kingdom

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Association of the Alternative Healthy Eating Index with Coronary Artery Calcification Volume and Density: the Multi-Ethnic Study of Atherosclerosis

Ethan Cannon¹, Robyn McClelland², Alexis Wood⁷, Matthew J. Budoff³, Matthew A. Allison⁴, Michael Criqui⁴, David R. Jacobs⁵, Pamela L. Lutsey⁶

¹University of Minnesota, Minneapolis, Minnesota, United States, ²University of Washington, Seattle, Washington, United States, ³LUNDQUIST INSTITUTE, Torrance, California, United States, ⁴University of California San Diego, La Jolla, California, United States, ⁵University of Minnesota, Minnetonka, Minnesota, United States, ⁶University of Minnesota, Minneapolis, Minnesota, United States, ⁷Baylor College of Medicine, Houston, Texas, United States

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Hypoxia Response Markers are Associated with Early Metabolic Imbalance: The U.S. National Health and Nutrition Examination Survey

David P. Cistola¹, Luis Mendiola², Alok Dwivedi³

¹T2YourHealth, LLC, El Paso, Texas, United States, ²Texas Tech, El Paso, Texas, United States, ³Texas Tech University Health Scienc, El Paso, Texas, United States

P1154

Childhood Parental Incarceration, Cardiovascular Health, and Subclinical CVD in Young Adults: the Future of Families and Cardiovascular Health Among Young Adults (FF-CHAYA) Study

Nicole Fields¹, Hongyan Ning², James H. Stein³, Norrina B. Allen⁴, Daniel Notterman⁵, Donald M. Lloyd-Jones⁶

¹Preventive Medicine, Northwestern University, Chicago, Illinois, United States, ²NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ³UNIV WISCONSIN MED SCH, Madison, Wisconsin,

United States, ⁴NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ⁵Princeton University, Princeton, New Jersey, United States, ⁶Northwestern University, Chicago, Illinois, United States

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Different Heart Failure Risk Factors Have Distinct Patterns of Preclinical Cardiac Dysfunction: The Atherosclerosis Risk in Communities (ARIC) Study

Jelani Grant¹, Sui Zhang¹, Amelia S. Wallace², Vijay Nambi⁷, Justin B. Echouffo³, Anum S. Minhas⁴, Kunihiro Matsushita⁵, Elizabeth Selvin⁶, Christie M. Ballantyne⁷, Josef Coresh⁸, Amil M. Shah⁹, Chiadi E. Ndumele¹⁰

¹Johns Hopkins Hospital, Parkville, Maryland, United States, ²JH Bloomberg Sch. of Public Health, Baltimore, Maryland, United States, ³Johns Hopkins Hospital, Baltimore, Maryland, United States, ⁴Johns Hopkins University, Baltimore, Maryland, United States, ⁵Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States, ⁶JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, United States, ⁷BAYLOR COLLEGE MEDICINE, Houston, Texas, United States, ⁸NYU Grossman School of Medicine, New York, New York, United States, ⁹UT Southwestern Medical Center, Dallas, Texas, United States, ¹⁰JOHNS HOPKINS HOSPITAL, Baltimore, Maryland, United States

P1156

Associations Between Absolute Blood Eosinophil Count and Subclinical Atherosclerotic Plaque in the Multi-Ethnic Study of Atherosclerosis

Nyla Mathis¹, Matthew C. Tattersall², Spencer Hansen³, Alison Dasiewicz⁶, Stephane Esnault⁴, salman siddiqui⁷, Sameer K. Mathur¹, Nizar Jarjour¹, Loren Denlinger¹, Robyn McClelland³, James H. Stein⁵, Mats Johansson¹

¹University of Wisconsin School of Medicine and Public Health, Madison, Wisconsin, United States, ²UNIVERSITY OF WISCONSIN HOSPITAL, Madison, Wisconsin, United States, ³University of Washington, Seattle, Washington, United States, ⁴University of Wisconsin-Madison, Madison, Wisconsin, United States, ⁵UNIV WISCONSIN MED SCH, Madison, Wisconsin, United States, ⁶The Hospital for Sick Children, Toronto, Ontario, Canada, ⁷Respiratory Medicine, Imperial College London, London, United Kingdom

P1157

Changes in Artificial Intelligence-Enabled Electrocardiogram-Derived Age During Mental Stress Testing and Risk of Major Adverse Cardiovascular Events in Patients With Coronary Heart Disease

Jose R. Medina-Inojosa¹, Zachi I. Attia², Viola Vaccarino³, Anish Shah³, Betsy Medina-Inojosa⁴, Yi-An Ko⁵, Ayman Alkhoder³, Elsayed Z. Soliman⁶, Suraj Kapa⁷, Arshed A. Quyyumi⁸, Francisco Lopez-Jimenez⁹, Amit J. Shah¹⁰

¹Cardiology, Emory University, Atlanta, Georgia, United States, ²Mayo Clinic, Rochester, Minnesota, United States, ³Emory University, Atlanta, Georgia, United States, ⁴Mayo Clinic, Rochester, Minnesota, United States, ⁵EMORY UNIVERSITY, Atlanta, Georgia, United States, ⁶WAKE FOREST SCHOOL OF MEDICINE, Winston Salem, North Carolina, United States, ⁷Rochester, Minnesota, United States, ⁸EMORY UNIVERSITY, Atlanta, Georgia, United States, ⁹MAYO CLINIC COLL MEDICINE, Rochester, Minnesota, United States, ¹⁰Atlanta, Georgia, United States

P1158

Agreement of Non-Invasive Devices that Measure Pulse Wave Velocity: VaSera vs VICORDER

Patricia Pagan Lassalle¹, Zachary Kerr¹, Bethany Barone Gibbs², Justin B. Moore³, Matthew S. Loop⁴, Michelle Meyer¹

¹The University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ²West Virginia University, Morgantown, West Virginia, United States, ³Wake Forest University School of Medicine, Winston-Salem, North Carolina, United States, ⁴Auburn University, Auburn, Alabama, United States

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Aortic Arch Calcification Improves Cardiovascular Event Risk Stratification Among Individuals With a History of Cigarette Smoke Exposure

Robert Trujillo¹, Salman Ansari², Matthew J. Budoff², Robyn McClelland¹, Spencer Hansen¹, Moyses Szklo³

¹University of Washington, Seattle, Washington, United States, ²LUNDQUIST INSTITUTE, Torrance, California, United States, ³JOHNS HOPKINS UNIV, Baltimore, Maryland, United States

P1160

Gut Microbiota, Circulating Inflammatory Markers, and Cardiac Dysfunction In Women Living With HIV

Zheng Wang¹, Sanyog G. Shitole², Anjali Sharma¹, David Hanna³, Brandilyn Peters-Samuels³, Tao Wang³, Wendy S. Post⁴, Alan Landay¹¹, Kathleen Weber¹², Audrey French¹³, DANIEL MERENSTEIN¹⁴, Sabina Haberen⁵, Alan Hinderliter¹⁵, Igho Ofotokun¹⁶, Claudia Martinez¹⁷, Julie Schexnayder¹⁹, Jason M. Lazar⁶, Deborah R. Gustafson⁷, Kathryn Anastos¹⁰, Rob Knight¹⁸, Robert Kaplan³, Robert Burk⁸, JORGE R. KIZER⁹, Qibin Qi¹⁰

¹Department of Epidemiology and Population Health, Albert Einstein College of Medicine, Bronx, New York, United States, ²University of California San Francisco, San Francisco, California, United States, ³Albert Einstein College of Medicine, Bronx, New York, United States, ⁴JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, United States, ⁵Johns Hopkins University, Baltimore, Maryland, United States, ⁶HSCB FOUNDATION INC, Brooklyn, New York, United States, ⁷State University of New York - Down, Brooklyn, New York, United States, ⁸Albert Einstein College of Medicine, Bronx, New York, United States, ⁹San Francisco VA, San Francisco, California, United States, ¹⁰ALBERT EINSTEIN COLLEGE OF MEDICINE, Bronx, New York, United States, ¹¹Rush University, Chicago, Illinois, United States, ¹²Hektoen Institute of Medicine, Chicago, Illinois, United States, ¹³Stroger Hospital of Cook County, Chicago, Illinois, United States, ¹⁴Georgetown University, Washington, DC, District of Columbia, United States, ¹⁵University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ¹⁶Emory University School of Medicine, Atlanta, Georgia, United States, ¹⁷University of Miami, Miami, Florida, United States, ¹⁸University of California, San Diego, San Diego, California, United States, ¹⁹The University of Alabama at Birmingham, Birmingham, Alabama, United States

P1162

Cardiac Magnetic Resonance Imaging Measures of Atrial Cardiomyopathy and Adverse Clinical Outcomes in the UK Biobank

Vidhushei Yogeswaran, Kerri L. Wiggins, Colleen Sitlani, Jennifer Brody, Joshua C. Bis, James S. Floyd
University of Washington - CHRU, Seattle, Washington, United States

PS01.15 Women's Health

P1163

Reproductive Risk Factors and Burden of Cardiovascular-Kidney-Metabolic Syndrome among Young Women

Theresa Boyer, Timothy Chow, Michael Fang, Elizabeth Selvin, Wendy L. Bennett, Erin D. Michos, Chiadi E. Ndumele, Anum S. Minhas

Johns Hopkins University, Baltimore, Maryland, United States

P1164

Sex Differences in Cardiovascular Risk Factors among Cardiac Rehabilitation Participants

Montika Bush, Elizabeth Thomas, Laurie Tester, Adam Moskowitz

University of North Carolina, Chapel Hill, North Carolina, United States

P1165

Dietary Quality Among Pregnant People With Overweight/Obesity: Comparison Between Randomized Controlled Trial Participants in Early Pregnancy With Non-Pregnant NHANES Matched Participants

Tianxu Chen, Christine McKinney, Emmanuel F. Drabo, Nae-yuh Wang, Lindsay Martin, Divya Nair, Nowella Durkin, Janelle Wilder Coughlin, Mostafa Borahay, Wendy L. Bennett

Johns Hopkins University, Baltimore, Maryland, United States

P1166

Sex-Based Disparities in the Referral Pathway for Catheter Ablation for Atrial Fibrillation in a Large Urban Healthcare System

Kristie Coleman¹, Jonas Leavitt², Dimitrios Varrias¹, Nikhil Sharma¹, Kerry Smith¹, Louis Miller¹, Elizabeth Cohn³, Jennifer H. Mieres¹, Stavros Mountantonakis⁴

¹Northwell Health, Brooklyn, New York, United States, ²Northwell Health, Forest Hills, New York, United States, ³Northwell, SEA CLIFF, New York, United States, ⁴Northwell Health, New York, New York, United States

P1167

Racism-Related Stress Related to Carotid-Femoral Pulse Wave Velocity in Cohort of Midlife Latinas

Maria Martinez Rangel¹, Valentina Marginean², Karla Halverson¹, Cynthia Doyle¹, Jennie Embree¹, Maria Hein¹, Yelena Perkhounkova¹, Yamnia I. Cortes¹

¹University of Iowa, Iowa City, Iowa, United States, ²University of Iowa, Iowa City, Iowa, United States

P1168

The Association Between Self-Perceived Risk of Heart Disease and Barriers and Motivators to Research Participation

Ivree DATCHER¹, Olivia Affuso², ALEXANDRA KRALLMAN⁴, Bertha Hidalgo³

¹University of Alabama at Birmingham, Birmingham, Alabama, United States, ²Council on Black Health, Raleigh, North Carolina, United States, ³UNIVERSITY OF ALABAMA AT BIRMINGHAM, Birmingham, Alabama, United States, ⁴University of North Carolina Wilmington, Wilmington, Alabama, United States

P1169

Postpartum Care in Hypertensive Disorders of Pregnancy: Exploring Factors Affecting Follow-Up

Sanchaya Khetrapal, Yochitha Pulipati, Sana Khan, Saleh Saleh, Srijana Maharjan, Siddarth Pratapneni, Divya Venkat, Jaya Mehta, Mahathi Indaram

Allegheny Health Network, Pittsburgh, Pennsylvania, United States

P1170

Lifestyle interventions for prevention of cardiovascular disease among mothers of young children: a scoping review

Olivia Liu², Sinia Sareen¹, Jiachen Zhu², Tanya Spruill², Milla E. Arabadjian¹

¹Foundations of Medicine, NYU Grossman Long Island School of Medicine, Mineola, New York, United States, ²NYU Grossman School of Medicine, Sugar Land, Texas, United States

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Spanish-Language Health Promotion Education Does Not Reduce Carotid-Femoral Pulse Wave Velocity in Cohort of Midlife Latinas

Valentina Marginean¹, Latesha K. Harris², Andrea Cazales², Yamnia I. Cortes³

¹University of Iowa, Iowa City, Iowa, United States, ²University of North Carolina -CH, Chapel Hill, North Carolina, United States, ³University of Iowa, Iowa City, Iowa, United States

P1172

From adverse pregnancy outcome to preventive care: insights from patient interviews on barriers to primary care after adverse pregnancy outcomes, and how to overcome them

Mara E. Murray Horwitz¹, Grayce Bredy², Lillian Rupert¹, Jaylen Wright³, Lois McCloskey¹

¹Boston University, Cambridge, Massachusetts, United States, ²Boston Medical Center, Boston, Massachusetts, United States, ³American Heart Association, Dallas, Texas, United States

P1173

Opportunities for Intervention: Mental Health and Cardiovascular Health Literacy in Women – Insights from the Research Goes Red Initiative

Asma Rayani¹, Ateh Stanislas Ketum¹, Faith E. Metlock¹, Jay Vadiya¹, Yaa A. Kwapong³, Pamela Ouyang¹, Garima Sharma², Yvonne Commodore-Mensah¹

¹Johns Hopkins University, Baltimore, Maryland, United States, ²Inova Fairfax Medical Campus, Falls Church, Virginia, United States, ³Johns Hopkins School of Medicine, Baltimore, Maryland, United States

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Endometriosis diagnosis, staging, and typology in relation to inflammatory cytokines

May Shaaban¹, Leslie Farland², Anna Pollack³, Kathryn M. Rexrode⁴, Rachael Hemmert¹, Madeline Paulsen¹, Jeanna Ryan⁵, Emmanuel Adediran¹, Matt Peterson⁶, Jessica Page⁷, Karen Schliep¹

¹Family Medicine, Community Medicine, and Public Health, University of Utah Health, Salt Lake City, Utah, United States, ²University of Arizona, Tucson, Arizona, United States, ³George Mason University, Fairfax, Virginia, United States, ⁴BRIGHAM AND WOMENS HOSPITAL, Boston, Massachusetts, United States, ⁵Physician Assistant Studies, University of Utah Health, Salt Lake City, Utah, United States, ⁶Obstetrics & Gynecology, University of Utah Health, Salt Lake City, Utah, United States, ⁷Intermountain Health, Salt Lake City, Utah, United States

P1175

Endometriosis diagnosis, staging, and typology in relation to dyslipidemia

Karen Schliep¹, Anna Pollack⁴, Kathryn M. Rexrode², Rachael Hemmert³, Madeline Paulsen³, Jessica Chan³, Hadiyah Baradaran³, Jennifer J. Majersik³, Michael Varner³, Matt Peterson³, Joseph Stanford³, Jenna Krall⁴, Jessica Page⁵, Leslie Farland⁶

¹Family Medicine, Community Medicine, and Public Health, University of Utah Health, Salt Lake City, Utah, United States, ²BRIGHAM AND WOMENS HOSPITAL, Boston, Massachusetts, United States, ³UNIVERSITY UTAH, Salt Lake City, Utah, United States, ⁴George Mason University, Fairfax, Virginia, United States, ⁵Intermountain Health, Salt Lake City, Utah, United States, ⁶University of Arizona, Tucson, Arizona, United States

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The Association of Urinary Incontinence, Physical Activity, and Cardiovascular Disease Risk in Women

Lisa M. VanWiel¹, Lucas Carr⁴, Dale Bond³, Yin Wu³, elena tunitsky-bitton³, Adam C. Steinberg³, Paul Tulikangas³, Kara M. Whitaker²

¹Health and Human Physiology/ Physical Therapy, University of Iowa/University of Wisconsin La Crosse, Bangor, Wisconsin, United States, ²UNIVERSITY OF IOWA, Iowa City, Iowa, United States, ³Hartford Hospital/Healthcare, Hartford, Connecticut, United States, ⁴University of Iowa, Iowa City, Iowa, United States

Friday, March 7, 2025

PS02.01 Cardiometabolic Risk Prediction 1

P2001

Sex Differences in Cardiovascular Health Among Syrian Refugees at Zaatari Camp: A Cross-Sectional Study Using the AHA Life's Essential 8

Abeer Alharthi¹, Oluwabunmi Ogungbe¹, Tala Al-Rousan², Cheryl R. Dennison Himmelfarb³, Yvonne Commodore-Mensah⁴

¹Johns Hopkins University, Baltimore, Maryland, United States, ²University of California San Diego, La Jolla, California, United States, ³JOHNS HOPKINS UNIV, Baltimore, Maryland, United States, ⁴JOHNS HOPKINS SCHOOL OF NURSING, Baltimore, Maryland, United States

P2002

Cardiovascular Diseases Risk Assessment in the Adult Population: the Italian Health Examination Survey 2023-2024 - CUORE Project

Chiara Donfrancesco¹, Cinzia Lo Noce¹, Anna Di Lonardo¹, BENEDETTA MARCOZZI¹, Serena Vannucchi¹, MARIA MORELLO⁴, SERGIO BERNARDINI⁴, DANIELA GALEONE², Paolo Bellisario², Luigi Palmieri³

¹ISTITUTO SUPERIORE DI SANITA, Rome, Italy, ²Ministry of Health, Rome, Italy, ³ISTITUTO SUPERIORE DI SANITA, Rome, Italy, ⁴Tor Vergata University Hospital, ROMA, Roma, Italy

P2003

Trends in the Prevalence of Overweight and Diabetes Mellitus Before and After the Great East Japan Earthquake: Analysis of NDB Data

ERI Eguchi

Department of Epidemiology, Fukushima, Fukushima, Japan

P2004

Calibration of the Predicting Risk of CVD Events (PREVENT) equation among Hispanic/Latino adults of the HCHS/SOL.

Julien O. Tremblay¹, Charles A. German², Lily N. Dastmalchi³, Tatjana Rundek⁴, Hannah Gardener⁶, Sandra Echeverria⁷, Haibo Zhou⁸, Nora Franceschini⁹, Matthew A. Allison¹⁰, Martha L. Daviglus¹¹, Amber Pirzada¹¹, Sylvia W. Wassertheil-Smoller¹², Tali Elfassy⁵

¹Department of Medicine, Vanderbilt Medical Center, Nashville, Tennessee, United States, ²Department of Cardiology, Medstar Georgetown University Hospital, Washington, District of Columbia, United States, ³Inova Schar Heart and Vascular, Washington, DC, District of Columbia, United States, ⁴Department of Neurology, University of Miami Miller School of Medicine, Miami, Florida, United States, ⁵Department of Medicine, University of Miami Miller School of Medicine, Miami, Florida, United States, ⁶Department of Neurology, University of Miami, Medfield, Massachusetts, United States, ⁷Department of Public Health Education, School of Health & Human Sciences, University of North Carolina at Greensboro, Greensboro, North Carolina, United States, ⁸Department of Biostatistics,

University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ⁹Department of Epidemiology, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ¹⁰Department of Family Medicine, University of California San Diego, La Jolla, California, United States, ¹¹Institute for Minority Health Research, University of Illinois at Chicago, Chicago, Illinois, United States, ¹²Department of Epidemiology and Population Health, Albert Einstein College of Medicine, Bronx, New York, United States

P2005

Applying a comprehensive cardiometabolic risk prediction model to real-world primary care patient data

Carrie Howell¹, Shiori Tanaka¹, Greer A. Burkholder², Tapan Mehta¹, Larry Herald¹, William T. Garvey³, Andrea Cherrington⁴

¹University of Alabama at Birmingham, Birmingham, Alabama, United States, ²University of Alabama at Birmingham, Birmingham, Alabama, United States, ³UNIVERSITY OF ALABAMA AT BIRMINGHAM, Birmingham, Alabama, United States, ⁴University of Alabama at Birmingham, Birmingham, Alabama, United States

P2006

Examining the Associations Between Resistance Exercise, Sleep, and Cardiometabolic Health in Young Black Women: Results from a 10-Week Randomized Controlled Trial

Chloe S. Jones¹, Meral Culver¹, Austin T. Robinson², Danielle Wadsworth¹

¹Auburn University, Auburn, Alabama, United States, ²Indiana University, Bloomington, Indiana, United States

P2007

Factors Associated with Gender Differences in Absolute Cardiovascular Risk Score among Midlife and Elderly Kenyans

Jacob Kariuki¹, Moses Gitonga², Simon Githui², Mary Wachira², Leah Gathogo², Cristina Hidalgo³, Melinda Higgins¹, Jordan Pelkmans⁴, Samuel Kimani⁵, Foster Baah¹, Vivien Wambugu⁷, Kirk Erickson⁶

¹EMORY UNIVERSITY, Atlanta, Georgia, United States, ²Dedan Kimathi University, Nyeri, Kenya, ³AdventHealth, Orlando, Florida, United States, ⁴Emory University, Atlanta, Georgia, United States, ⁵Nursing, University of Nairobi, Nairobi, Kenya, ⁶AdventHealth Research Institute, Orlando, Florida, United States, ⁷Yale School of Medicine, New Haven, Connecticut, United States

P2008

SOCIOECONOMIC DISPARITIES AND CARDIOMETABOLIC HEALTH: ASSOCIATIONS WITH RISK FACTORS IN U.S. ADULTS

Adam Koraym¹, Anas Abed¹, Giovanna Zampierollo¹, Timothy Hess¹, Matthew C. Tattersall²

¹University of Wisconsin, Middleton, Wisconsin, United States, ²UNIVERSITY OF WISCONSIN HOSPITAL, Madison, Wisconsin, United States

P2009

Education, Income, and Long-Term Risks of Cardiovascular Disease in the U.S. Population from 2011-2020

Devesh Malik¹, Mohammed Essa², Kamil Faridi¹, Huanhuan Yang¹, Erica S. Spatz¹, Harlan M. Krumholz¹, Yuan Lu¹

¹Yale University School of Medicine, New Haven, Connecticut, United States, ²Harvard T.H. Chan School of Public Health, Boston, Massachusetts, United States

P2010

Extra-Coronary Calcification and Risk of Incident Cardiovascular Disease in Adults 75 and Older: The Atherosclerosis Risk in Communities (ARIC) Study

Siyu Zou¹, Hairong Liu¹, Yejin Mok¹, Abhishek Gami², Lin Y. Chen³, Matthew J. Budoff⁴, Michael J. Blaha⁵, Kunihiro Matsushita¹

¹Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States, ²Johns Hopkins University School of Medicine, Baltimore, Maryland, United States, ³UNIVERSITY OF MINNESOTA, Minneapolis, Minnesota, United States, ⁴LUNDQUIST INSTITUTE, Torrance, California, United States, ⁵JOHNS HOPKINS HOSPITAL, Baltimore, Maryland, United States

PS02.02 Clinical Trials and Intervention Studies

P2011

Recruitment and Baseline Characteristics of Caribbean and South America Team-based Strategy to Control Hypertension (CATCH) Trial

Farah Allouch¹, Katherine T. Mills², Paola Lanza¹, Trevor S. Ferguson³, Jacqueline Duncan³, Carene Lindsay³, Jose P Lopez-Lopez⁴, Mabel Reyes⁴, Patricio Lopez-Jaramillo⁴, Marshall Tulloch-Reid³, Jiang He⁵

¹Tulane University, New Orleans, Louisiana, United States, ²TULANE UNIVERSITY, New Orleans, Louisiana, United States, ³UNIVERSITY OF THE WEST INDIES, Kingston, Jamaica, ⁴UNIVERSIDAD DE SANTANDER - UDES, BUCARAMANGA, Colombia, ⁵UT Southwestern Medical Center, Dallas, Texas, United States

P2012

Motivational Themes in Digital Advertisements Enhance Recruitment Efficiency in Cardiovascular Trials

Jingyi Cao¹, Jaeyoon Cha², Tamunotonye Harry³, Timothy Plante³, Hannah Col¹, Ruth-Alma N. Turkson-Ocran⁴, Yuanyuan Feng³, Manuel Hermosilla⁵, Mingyu Zhang⁶, Stephen P. Juraschek⁷

¹Beth Israel Deaconess Medical Center, Boston, Massachusetts, United States, ²Harvard Medical School, Boston, Massachusetts, United States, ³University of Vermont, Burlington, Vermont, United States, ⁴Beth Israel Deaconess Medical Ctr, Boston, Massachusetts, United States, ⁵University of Illinois Chicago, Chicago, Illinois, United States, ⁶Harvard Medical School, Boston, Massachusetts, United States, ⁷BIDMC-Harvard Medical School, Boston, Massachusetts, United States

P2013

Underrepresentation of African Countries in Randomized Controlled Trials: A 2022 Analysis Across Five Leading General Medical Journals

Bamba Gaye¹, Gurbinder Singh¹, Daouda Seck², Moustafa Morsy⁴, Marvellous O. Adeoye², Elizabeth T. Emmanuel², Gabriela De Jesus Cipriano Flores², Elisabeth L. Sattler³, David Kitara⁵, Pasquale Maffia⁴

¹Alliance for Medical Research in Africa, Dakar, Senegal, ²Alliance for Medical Research in Africa, Dakar, Senegal, ³UNIVERSITY OF GEORGIA, Athens, Georgia, United States, ⁴School of Infection & Immunity, College of Medical, Veterinary and Life Sciences, University of Glasgow, Glasgow, United Kingdom, ⁵Gulu University, Faculty of Medicine, Department of Surgery, Gulu, Uganda

P2014

Baseline Sex Hormone Binding Globulin Level Modifies Intensive Lifestyle Intervention Effect on Blood Pressure in Post-Menopausal Females

Jiahuan Helen He¹, Jianqiao Ma⁶, Mark Woodward², Erin D. Michos³, Chigolum Oyeka⁴, Rita R. Kalyani⁵, Jeanne Clark⁴, Dhananjay Vaidya⁴, Wendy L. Bennett⁴

¹Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States, ²School of Public Health, The George Institute for Global Health, London, United States

Kingdom, ³Division of Cardiology, Johns Hopkins University School of Medicine, Baltimore, Maryland, United States, ⁴Department of Medicine, Division of General Internal Medicine, Johns Hopkins University School of Medicine, Baltimore, Maryland, United States, ⁵Department of Medicine, Division of Endocrinology, Diabetes, & Metabolism, Johns Hopkins University School of Medicine, Baltimore, Maryland, United States, ⁶Department of Pediatrics, Division of General Pediatrics, Johns Hopkins University School of Medicine, Baltimore, Maryland, United States

P2015

Perceptions of Health Coaching for Weight Loss Maintenance in Primary Care: Results from the MAINTAIN PRIME Trial

Kayla E. Jordanova, Elizabeth Rudd, Jorie Butler, Maribel Cedillo, Jesell Zepeda, Polina Kukhareva, Bernadette Kiraly, Michael Flynn, Kensaku Kawamoto, Molly Conroy
University of Utah, Salt Lake City, Utah, United States

P2016

Feasibility, acceptability, and preliminary effects of a 4-week mindfulness-based stress reduction program for young women in Puerto Rico

Andrea Lopez¹, Shakira F. Suglia², Tene T. Lewis³, Salma Parra Pulgarin³, Cynthia Perez⁴, Milagros C. Rosal⁵, James Carmody⁵, Tanya M. Spruill⁶

¹Emory University, Decatur, Georgia, United States, ²Emory UNIVERSITY, Atlanta, Georgia, United States, ³EMORY UNIVERSITY, Atlanta, Georgia, United States, ⁴University of Puerto Rico, San Juan, Puerto Rico, ⁵UMASS CHAN MEDICAL SCHOOL, Worcester, Massachusetts, United States, ⁶NYU SCHOOL OF MEDICINE, New York, New York, United States

P2017

Baseline Androgenic State Modifies the Effect of Intensive Lifestyle Intervention on Triglyceride Levels in Males with Diabetes: The Look AHEAD Trial Sex Hormone Study

Jianqiao Ma¹, Jiahuan Helen He², Mark Woodward³, Erin D. Michos⁴, Chigolum Oyeka⁵, Rita R. Kalyani⁶, Jeanne Clark⁵, Wendy L. Bennett⁵, Dhananjay Vaidya⁵

¹Department of Pediatrics, Johns Hopkins University School of Medicine, Baltimore, Maryland, United States, ²Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States, ³School of Public Health, The George Institute for Global Health, London, United Kingdom, ⁴Division of Cardiology, Johns Hopkins University School of Medicine, Baltimore, Maryland, United States, ⁵Department of Medicine, Division of General Internal Medicine, Johns Hopkins University School of Medicine, Baltimore, Maryland, United States, ⁶Department of Medicine, Division of Endocrinology, Diabetes, & Metabolism, Johns Hopkins University School of Medicine, Baltimore, Maryland, United States

P2018

Re-evaluating the Effect of Pravastatin on Mortality and Cardiovascular Events Using G-methods to Adjust for Adherence in the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial – Lipid Lowering Trial

Rienna G. Russo¹, Anna Siefkas¹, Barry R. Davis², Eric Rimm¹, Issa Dahabreh¹, Miguel Hernan¹, Goodarz Danaei¹

¹Harvard School of Public Health, Boston, Massachusetts, United States, ²University of Texas School of Public Health, Sugar Land, Texas, United States

PS02.03 Drugs, Alcohol and Tobacco Use

P2019

Alcohol Use and Cardiovascular Health: A Target Trial Emulation

Sinclair Carr¹, Miguel A. Martinez-Gonzalez², Kenneth J. Mukamal³, Eric Rimm¹, Goodarz Danaei¹
¹Harvard T.H. Chan School of Public Health, Boston, Massachusetts, United States, ²University of Navarra, Pamplona, Spain, ³Beth Israel Deaconess Medical Center, Boston, Massachusetts, United States

P2020

Alcohol Use and Hypertension in the Eastern Caribbean

Katharine Fraser¹, Lisbette Acosta¹, Deron Galusha¹, Rohan Maharaj², Carol R. Oladele¹
¹Internal Medicine, Yale School of Medicine, Equity Research and Innovation Center, New Haven, Connecticut, United States, ²University of the West Indies, St. Augustine, St. Augustine, Trinidad and Tobago

P2021

Association between Alcohol Consumption and the Risk of Cardiovascular Events by Renal Function Status in Japanese Community Dwellers

Aya Hirata¹, Sei Harada¹, Miho Iida¹, Naoko Miyagawa¹, Minako Matsumoto¹, Takuma Shibuki¹, Ryota Toki¹, Shun Edagawa¹, Kazuyo Kuwabara¹, Daisuke Sugiyama², Tomonori Okamura¹, Toru Takebayashi¹
¹Department of Preventive Medicine and Public Health, Keio University School of Medicine, Tokyo, Japan, ²Faculty of Nursing and Medical Care, Keio University, Kanagawa, Japan

P2022

The Use of Pod-Type Electronic Cigarettes and Recent Asthma Diagnosis in Adolescents

Ju-Mi Lee, Ji-Hyeon Kim, Hae-Sung Nam
Chungnam National University, Daejeon, Korea (the Republic of)

P2023

Cannabis Use In Adolescence Is Not Associated With Differences In BMI Z-Scores

Amy R. Mahar¹, Susan M. Dusenbery², Murray A. Mittleman³
¹Harvard School of Public Health, Cambridge, Massachusetts, United States, ²CHILDRENS HOSPITAL BOSTON, Boston, Massachusetts, United States, ³Harvard University, Chestnut Hill, Massachusetts, United States

P2024

The Association of Cannabis Use with Risk of Mortality, Incident Stroke, and Incident Myocardial Infarction in a Minnesota Healthcare System, 2016-2023

Faye L. Norby¹, Natalie Scholz¹, Kamakshi Lakshminarayan¹, Traci Toomey¹, Pamela L. Lutsey², Darin Erickson¹
¹University of Minnesota, Minneapolis, Minnesota, United States, ²University of Minnesota, Minneapolis, Minnesota, United States

P2025

Incident stroke in unstably housed women: the role of cocaine and alcohol co-use

Akanksha Vaidya⁴, Torsten Neilands², Felicia Chow³, Andy Josephson², Jared Yuan², Samantha Dilworth², Alan H. Wu⁵, Elise Riley¹
¹Medicine, University of CA, San Francisco, Piedmont, California, United States, ²UC San Francisco, Pacifica, California, United States, ³UCSF, San Francisco, California, United States, ⁴Santa Clara Department of Public Health, Santa Clara, California, United States, ⁵University of California, San Francisco, California, United States

PS02.04 Environmental Exposures

P2026

Association Between Air Pollutants Exposure and Cardiovascular Hospital Admissions: A Systematic Review

Vibhu M. Amrutiya, Yamunesh Patel, Gareema P. Naik, Kashish Parmar, Dhaval Patel
GMERS Medical College, Valsad, Surat, India

P2027

Associations Between Paraben Exposure and Cardiometabolic Outcomes in Pediatric Populations: A Systematic Review

Deanna Chinerman¹, Ana Lungu¹, Melanie Henderson², Andraea Van Hulst¹, Jonathan Chevrier¹, Tibor Schuster³, Tracie A. Barnett¹

¹McGill University, Montreal, Quebec, Canada, ²CHU Sainte-Justine, Montreal, Quebec, Canada, ³McGill University, Montreal, Quebec, Canada

P2028

Air Pollution Induces Atrial Fibrosis via CARD9-Mediated Immune Response

Yuqi Cui¹, Xiaochun Ma², Sheevang Patel³, Mohamed Mraiyan¹, Zhenguo Liu⁴

¹IMRP, St Bernards Medical Center, Jonesboro, Arkansas, United States, ²Shandong Provincial Hospital, Jinan, China, ³NYIT, Jonesboro, Arkansas, United States, ⁴The Ohio State University Medical C, Columbus, Ohio, United States

P2029

Objectively Measured Daytime, Evening, and Nighttime Ambient Light Exposure and Mortality Risk: Findings from a US Nationally Representative Cohort

Jin Dai¹, Minghao Kou², Yoriko Heianza³, JoAnn E. Manson⁵, Lu Qi⁴

¹Epidemiology, Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana, United States, ²Epidemiology, Tulane University, METAIRIE, Louisiana, United States, ³TULANE UNIVERSITY, New Orleans, Louisiana, United States, ⁴TULANE UNIVERSITY, New Orleans, Louisiana, United States, ⁵Brigham and Women's Hospital, Boston, Massachusetts, United States

P2030

Association of Urinary Arsenic Concentration with Hypertension and Arterial Stiffness in Afro-Caribbean Adults

Rain Katz², Iva Miljkovic², Ryan Cvejkus², Victor Wheeler¹, Wan-Yee Tang³, Alison Sanders³, Aaron Barchowsky³, Allison L. Kuipers²

¹Tobago Health Studies Office, Scarborough, Trinidad and Tobago, ²Epidemiology, University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ³Environmental and Occupational Health, University of Pittsburgh, Pittsburgh, Pennsylvania, United States

P2031

Indoor Radon Concentrations Are Associated with Leukocyte and Platelet Counts

Cuiran Shi¹, Jason M. Collins¹, James Stewart¹, Mara Vitolins², Mark Williamson⁵, Karen Conneely⁴, Su Yon Jung³, JoAnn E. Manson⁷, Gary Schwartz⁵, Alex Reiner⁶, Richard Smith¹, Eric A. Whitsel¹

¹University of North Carolina - CH, Chapel Hill, North Carolina, United States, ²Wake Forest School of Medicine, Winston-Salem, North Carolina, United States, ³UCLA, Los Angeles, California, United States, ⁴Emory University, Atlanta, Georgia, United States, ⁵University of North Dakota, Grand Forks, North Dakota, United States, ⁶University of Washington, Seattle, Washington, United States, ⁷Brigham and Women's Hospital, Boston, Massachusetts, United States

P2032

Associations of Volatile Organic Compound Metabolites with Urinary Catecholamines: A Cross-Sectional Study with Green Heart Louisville

Cameron Stopforth, Clara Sears, Hong Gao, Shweta Srivastava, Tatiana Krivokhizhina, Pawel Lorkiewicz, Daniel Riggs, joy hart, kandi walker, sanjay srivastava, Aruni Bhatnagar, Rachel J. Keith
University of Louisville, Louisville, Kentucky, United States

P2033

Cumulative Lifetime Estimated Lead Exposure Estimated From DNA Methylation at Midlife and Risk of Incident Cardiovascular Disease: The Atherosclerosis Risk in Communities (ARIC) Study

Rob F. Walker¹, Jennifer Weuve², John Warren⁸, Sanaz Sedaghat¹, Weihua Guan⁴, Ana Navas-Acien⁵, Srishti Shrestha⁶, Myriam Fornage³, Rebecca F. Gottesman⁷, Jim S. Pankow¹, Pamela L. Lutsey¹
¹Epidemiology and Community Health, University of Minnesota, Minneapolis, Minnesota, United States, ²Epidemiology, Boston University School of Public Health, Boston, Massachusetts, United States, ³UT HEALTH HOUSTON, Houston, Texas, United States, ⁴Biostatistics and Health Data Science, University of Minnesota School of Public Health, Minneapolis, Minnesota, United States, ⁵Environmental Health Sciences, Columbia University Mailman School of Public Health, New York, New York, United States, ⁶Medicine, University of Mississippi Medical Center, Jackson, Mississippi, United States, ⁷NINDS, Bethesda, Maryland, United States, ⁸Sociology, University of Minnesota, Minneapolis, Minnesota, United States

P2035

All The Common Cardiovascular Diseases Are Aggravated By Climate Hazards: Current Evidence And Mechanisms

zaiyong zheng, Xue Zhang, Qiuting Li, Yaling Qie, Xin Zhang, Chan Yang, Keran Jia, Liangchuan Zhang, Yuchang Liu, Yanyan Dai, Yingla Li, Yuan Kong, Xueting Yu, Famei Wang, Yating Peng, Min Fu, Hong Jia, Zhang Zhang
Southwest Medical university, Sichuan, Sichuan, China

PS02.05 Global Health

P2036

Deciphering the Burden: Lead Exposure as a Major Contributor to Hypertensive Heart Disease Globally: A Global Analysis from 1990-2021

Juveriya Yasmeen¹, Nmair Alziadin², Hassaan Imtiaz³, Paritaben Bhalodia⁴, Anusha Parisapogu⁵, Roopeessh Vempati⁶, Naradasu Pranathi Royal⁷, Vinay Kumar Gadamidi⁸, Victor O. Adedara⁹, Anjani Kumar Thota¹⁰, Hardik Dineshbhai Desai¹¹
¹Saint Joseph Hospital, Chicago, Illinois, United States, ²Tufts SOM - Portsmouth Hospital, Portsmouth, New Hampshire, United States, ³Internal Medicine, Central Michigan University, Saginaw, Saginaw, Michigan, United States, ⁴Internal Medicine, Advocate Illinois Masonic Medical Center, Chicago, Illinois, United States, ⁵Internal Medicine, University of Connecticut, Farmington, Connecticut, United States, ⁶Trinity Health Oakland Hospital, Pontiac, Michigan, United States, ⁷Kaplan medical prep NYC institute, New York, New York, United States, ⁸Virtua Health, Cherry Hill, New Jersey, United States, ⁹St George's University School of Medicine located in True Blue, True Blue, Grenada, ¹⁰Sinai Hospital of Baltimore, Baltimore, Maryland, United States, ¹¹Gujarat Adani Institute of Medical Sciences, Affiliated to K.S.K.V University, Bhuj, Gujarat, India

P2037

Impact of Extended Opportunistic Hypertension Screening on Cardiovascular Disease Outcomes: A Simulation Study

Bunmi Ogungbe¹, Xiao Hu¹, Tasfia Hussain², Binh Nguyen¹, Ahmad K. Abrar³, Shamim Jubayer⁴, Sohel Choudhury⁵, Mahfuzur Rahman Bhuiyan⁶, Andrew Moran¹¹, Yvonne Commodore-Mensah⁹, Tammy Brady¹, Lawrence J. Appel⁷, Kuni Matsushita⁸, Matti Marklund¹⁰

¹Johns Hopkins University, Baltimore, Maryland, United States, ²Johns Hopkins University, Baltimore, Maryland, United States, ³NHF-B, Dhaka, Bangladesh, ⁴National Heart Foundation, Dhaka, Bangladesh, ⁵National Heart Foundation Hospital, Dhaka, Bangladesh, ⁶National Heart Foundation, Dhaka, Bangladesh, ⁷JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, United States, ⁸JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, United States, ⁹JOHNS HOPKINS SCHOOL OF NURSING, Baltimore, Maryland, United States, ¹⁰Johns Hopkins Bloomberg School of Public Health, Silver Spring, Maryland, United States, ¹¹Columbia University Medical Center, New York, New York, United States

P2038

Factors Associated with Food Insecurity in Clinic Populations in Kingston, Jamaica

Carol R. Oladele², Nadia R. Bennett¹, Vivien Wambugu², Keri-An Facey¹, Cavel Lawrence¹, Deron Galusha², Colette Cunningham-Myrie¹, Marshall Tulloch-Reid¹, Marlene Brewster¹, Michael Boyne¹, Trevor S. Ferguson¹, Mayur Desai³

¹University of the West Indies, Kingston, Jamaica, ²Yale School of Medicine, New Haven, Connecticut, United States, ³Yale School of Public Health, New haven, Connecticut, United States

P2039

Disease Progression in patients with Chagas Disease treated with Benznidazole or Nifurtimox: A Systematic Review and Meta-analysis

Do Kyung Ryuk¹, Seung Woo Ryuk², Tanawat Attachaipanich³, Tanawin Nopsopon⁴, James Maguire⁵

¹Department of Preventive Medicine, Seoul National University College of Medicine, Seoul, Korea (the Republic of), ²School of Medicine, Ajou University, Suwon-si, Korea (the Republic of), ³Department of Medicine, University of Missouri-Kansas City, Kansas City, Missouri, United States, ⁴Department of Medicine, Brigham and Women's Hospital, Boston, Massachusetts, United States, ⁵Division of Infectious Diseases, Brigham and Women's Hospital, Boston, Massachusetts, United States

PS02.06 Health Equity and Social Justice

P2042

Descriptive Analysis of Geographic and Sociodemographic Patterns in Poor Cardiovascular Health Across U.S. Census Tracts

Azar Abadi¹, Melissa Flores², Eleni Hailu³, Arnab Ghosh⁷, Jeffrey K. Wickliffe¹, Erin Dooley⁵, Kelley P. Gabriel⁴, Emily B. Levitan⁶

¹University of Alabama at Birmingham, Birmingham, Alabama, United States, ²The University of Arizona, Tucson, Arizona, United States, ³Stanford University, Palo Alto, California, United States, ⁴UAB P-Cards, Birmingham, Alabama, United States, ⁵University of Alabama at Birmingham, Birmingham, Alabama, United States, ⁶UNIVERSITY ALABAMA AT BIRMINGHAM, Birmingham, Alabama, United States, ⁷Cornell University, New York City, Alabama, United States

P2043

Exploring Mediating Pathways in Associations between Historic Redlining and Contemporary Obesity Prevalence

Marcus Andrews, Dana Sandler, Shirley Lopez de Leon, Tiffany Powell-Wiley
NATIONAL INSTITUTES OF HEALTH, Silver Spri, Maryland, United States

P2044

Racial discrimination, preeclampsia and hypertension status 12-15 years after pregnancy

Janet M. Catov, Ashley Hill, Beth Shaaban, Alyssa Smith, Samantha Bryan, Ann Cohen, Caterina Rosano
UNIVERSITY OF PITTSBURGH, Pittsburgh, Pennsylvania, United States

P2045

County-level association between structural inequalities and stroke prevalence among US adults: an ecological study

Chen Chen¹, Erica E. Twardzik², Leanna M. Delhey¹, Christopher Becker³, Lynda D. Lisabeth¹

¹Epidemiology, University of Michigan, Ann Arbor, Michigan, United States, ²Kinesiology, University of Michigan, Ann Arbor, Michigan, United States, ³Neurology, University of Michigan Medical School, Ann Arbor, Michigan, United States

P2046

Gestational Hypertension in the Latine Population by Race, Ancestry, and Nativity: An Intersectional-MAIHDA Approach

Marissa Cisneros

northwestern, Chicago, Illinois, United States

P2047

Provider understanding of coronary artery calcium testing in ASCVD risk stratification and associated racial disparities

Pawan Daga, Manpreet Kaur, Dakshinkumaar Devanand, Gurnoor Singh, Umer Muhammad, Dinesh Kalra

University of Louisville, Louisville, Kentucky, United States

P2048

Comparison of Incident Cardiovascular Diseases Between Asian American, Native Hawaiian and Other Pacific Islanders in Hawaii vs. Northern California: The PANACHE Study

Yihe Daida¹, Rishi Parikh², Andrew P. Ambrosy³, Joan C. Lo⁶, Stacey Alexeeff⁵, Thida Tan⁴, Connor Howick¹, Alan S. Go⁷

¹Kaiser Permanente Hawaii, Honolulu, Hawaii, United States, ²KAISER PERMANENTE, Oakland, California, United States, ³Kaiser Permanente, San Francisco, California, United States, ⁴KPNC Division of Research, Pleasanton, California, United States, ⁵Kaiser Permanente, Oakland, California, United States, ⁶Kaiser Permanente Northern CA, Oakland, California, United States, ⁷KAISER PERMANENTE NORTHERN CAL, Pleasanton, California, United States

P2049

Race and Ethnicity and Oral Anticoagulation Adherence in Older Adults with Atrial Fibrillation: A Nationwide Study

Utibe Essien, Jasmyn Tang, Mei Leng, Li-Jung Liang, Carol Mangione

UCLA GIM HSR, Los Angeles, California, United States

P2050

Neighborhood-Level Racial and Ethnic Residential Segregation and Incidence of Atrial Fibrillation: The Multi-Ethnic Study of Atherosclerosis (MESA)

Utibe Essien¹, Mandy Wong², Mahasin S. Mujahid³, Mercedes R. Carnethon⁴, KAROL WATSON⁵, Philip Greenland⁶, Jasmyn Tang¹, Moyses Szklo⁷, Susan R. Heckbert⁸, Kiarri N. Kershaw⁹

¹UCLA GIM HSR, Los Angeles, California, United States, ²Northwestern University, Chicago, Illinois, United States, ³UC Berkeley, Berkeley, California, United States, ⁴NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ⁵UCLA, Redondo Beach, California, United States, ⁶FEINBERG SCH OF MEDICINE, Chicago, Illinois, United States, ⁷JOHNS HOPKINS UNIV, Baltimore, Maryland,

United States, ⁸UNIVERSITY OF WASHINGTON, Seattle, Washington, United States, ⁹NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States

P2051

Community-academic partnership to optimize retention in a hypertension prevention trial in Black Men

Tanisha Green¹, Nayelis Garcia¹, Milla E. Arabadjian², JOSEPH RAVENELL³

¹NYU Grossman School of Medicine, New York, New York, United States, ²Foundations of Medicine, NYU Grossman Long Island School of Medicine, North Caldwell, New Jersey, United States, ³NYU School of Medicine, New York, New York, United States

P2052

Expanding Opportunities for Black and Hispanic Undergraduate Students Pursuing Science, Medical and Health-Related Careers with the American Heart Association's Scholars Program

Jennifer Herbert, Olivia N. Jones, Mitzi I. Cardona, Charlene Walton
American Heart Association, Brownstown, Michigan, United States

P2053

Social Vulnerability and Likelihood of Death at Home from Cardiovascular Disease in US Counties, 2016-2020

Ben T. Varghese, Hieu Truong, Laith Sorour
Internal Medicine, Saint Francis Hospital, Evanston, Illinois, United States

PS02.07 Implementation Science

P2054

The Jackson Heart Study Graduate Education and Training Center at the University of Mississippi Medical Center: Outcomes and Program Evaluation

Olivia Affuso², Lecretia A. Buckley³, Abigail Gamble⁴, Elizabeth Heitman⁵, Rachel Tyrone⁶, Jennifer C. Reneker¹

¹Northeast Ohio Medical University, Rootstown, Ohio, United States, ²Council on Black Health, Raleigh, North Carolina, United States, ³University of MS Medical Center, Jackson, Mississippi, United States, ⁴Jackson, Mississippi, United States, ⁵University of Texas Southwestern, Dallas, Texas, United States, ⁶University of Mississippi Medical, Jackson, Mississippi, United States

P2056

Strengthening Partnerships to Improve Diet and Achieve Nutrition Security: A Social Network Analysis

Lan Doan, Nelson Lin, Sze Wan Chan, Dalila Victoria Lanza, Matthew Lee, Madison N. LeCroy, Stella S. Yi

Population Health, Section for Health Equity, NYU Langone Health, New York, New York, United States

P2057

Virtual Hypertension Control Training and Technical Assistance Curriculum Design Helps Meet Community Health Center Learning Needs

Alison Smith¹, Nekeisha Harrison², David Peña², Ashley Wagner², Eduardo J. Sanchez³

¹American Heart Association / American Medical Association, Highland Park, Illinois, United States, ²National Center - AHA, Dallas, Texas, United States, ³AMERICAN STROKE ASSOCIATION, Dallas, Texas, United States

PS02.08 Hypertension 1

P2058

Hypertension in Young Adults: Social Determinants and Control Using EHR Data

Thomas J. Alexander¹, Yaojie Wang¹, Lucia Petito¹, Abigail Gauen¹, Ciaran N. Kohli-Lynch², Thomas Carton³, Steven M. Smith⁴, Greg Merritt⁵, Catherine P. Benziger⁶, Faraz S. Ahmad⁷, Norrina B. Allen¹

¹Department of Preventive Medicine, Northwestern University - Feinberg School of Medicine, Rolling Hills Est, California, United States, ²Northwestern University, Chicago, Illinois, United States, ³Louisiana Public Health Institute, New Orleans, Louisiana, United States, ⁴UNIVERSITY OF FLORIDA, Gainesville, Florida, United States, ⁵Patient is Partner, LLC, Brighton, Michigan, United States, ⁶Essentia Health, Duluth, Minnesota, United States, ⁷NORTHWESTERN UNIV SCHOOL MEDICINE, Chicago, Illinois, United States

P2059

Clinical Engagement Trajectories and Patient Factors Associated with Optimal Blood Pressure Management Patterns among Patients with Incident Diagnosis of Hypertension

Kristen Azar¹, Lucia Pacca⁶, Mark J. Pletcher², Stephen Shiboski⁶, Alice Pressman³, Maria M. Glymour⁴, Zijun Shen⁵, Anusha Vable⁶

¹Institute for Advancing Health Equity, Sutter Health, Palo Alto, California, United States, ²UCSF, San Francisco, California, United States, ³Kaiser Permanente Bernard J. Tyson School of Medicine, Pasadena, California, United States, ⁴Boston University - Epidemiology, Boston, Massachusetts, United States, ⁵Sutter Health, Walnut Creek, California, United States, ⁶University of California, San Franc, San Francisco, California, United States

P2060

A pilot study of an intervention for self-management of blood pressure among refugees fleeing war and resettled in the United States

Rawnaq Behnam¹, Job G. Godino², Deisy Celis², Cheryl A. Anderson¹, Tala Al-Rousan¹

¹School of Public Health, University of California, San Diego, El Cajon, California, United States, ²Laura Rodriguez Research Institute, San Diego, California, United States

P2061

Depressive Symptoms and Food Security in the Addressing Blood Pressure Control through Dietary Approaches (ABCD) Study in Jamaica: A cross-sectional study

Nadia R. Bennett¹, Vivien Wambugu³, Trevor Ferguson², Deron Galusha³, Marshall Tulloch-Reid², Mayur Desai³, Marlene Brewster², Colette Cunningham-Myrie², Carol R. Oladele³, Cavel Lawrence²

¹University of the West Indies, Kingston, Jamaica, ²The University of the West Indies, Kingston, Jamaica, ³YALE UNIVERSITY, New Haven, Connecticut, United States

P2062

Differences in Social Determinants of Health among African American, African, and Caribbean participants in the Groceries for Black Residents of Boston to Stop Hypertension (GoFresh) Trials

Marian Budu, Hannah Col, Sarah Nartey, Ruth Zeto, Stephen Juraschek, Ruth-Alma N. Turkson-Ocran
BETH ISRAEL DEACONESS MEDICAL CENTE, Boston, Massachusetts, United States

P2064

Comparing East and South Asian population-specific blood pressure trajectories and their associations with cardiovascular disease risk

So Mi Cho², Sarah Ubut¹, Yunfeng Ruan², Aarushi Bhatnagar¹, Shriienidhie Ganesh², Whitney Hornsby², Romit Bhattacharya¹, Michael C. Honigberg¹, Stephen P. Juraschek³, Eugene Yang⁴, Daichi Shimbo⁵, Pradeep Natarajan¹

¹Massachusetts General Hospital, Boston, Massachusetts, United States, ²Cambridge, Massachusetts, United States, ³BIDMC-Harvard Medical School, Boston, Massachusetts, United States, ⁴University of Washington, Seattle, Washington, United States, ⁵COLUMBIA UNIVERSITY, New York, New York, United States

P2065

A Comparative Study Of Social Determinants, Hypertension, And Life Essential Factors In Alabama And Colorado From The 2021 Behavioral Risk Factor Surveillance System

Chibuikwe F. Chukwunyere, Kevin O. Owuor

Dept. of Epidemiology, University of Alabama at Birmingham, Birmingham, Alabama, United States

P2066

Measured Raised Blood Pressure, Its Awareness and Control in the Adult Population: the Italian Health Examination Survey 2023-2024 - CUORE Project

BENEDETTA MARCOZZI¹, Cinzia Lo Noce², Anna Di Lonardo¹, Serena Vannucchi³, cecilia damiano¹, Alessandra Cardinale¹, DANIELA GALEONE⁴, Paolo Bellisario⁴, Luigi Palmieri⁵, Chiara Donfrancesco¹

¹ISTITUTO SUPERIORE DI SANITA, Rome, Italy, ²INSTITUTE OF HEALTH, Rome, Italy, ³Istituto Superiore di Sanità, Rome, Italy, ⁴Ministry of Health, Rome, Italy, ⁵ISTITUTO SUPERIORE DI SANITA, Rome, Italy

P2067

Artificial Light at Night and Asleep Blood Pressure in Black Adults

Gabrielle F. Gloston, Stephen J. Thomas

University of Alabama at Birmingham, Birmingham, Alabama, United States

P2068

Prevalence of blood pressure control among adults with hypertrophic cardiomyopathy and hypertension

Katherine Goldrick², Soo Young Kim¹, Zachary Tenner², Mark Sherrid³, Milla E. Arabadjian¹

¹Foundations of Medicine, NYU Grossman Long Island School of Medicine, Mineola, New York, United States, ²NYU Grossman Long Island School of Medicine, Mineola, New York, United States, ³NYU Langone Health, New York, New York, United States

P2069

Racial Differences in the Impact of Elevated Systolic Blood Pressure on Incident Cognitive Impairment (ICI) Risk: The REGARDS Study

Elizabeth Pendlebury¹, Katherine Wilkinson¹, George Howard⁵, Virginia J. Howard⁵, Suzanne E. Judd⁵, Russell P. Sawyer⁴, Laura M. Raffield², Nels C. Olson³

¹University of Vermont, South Burlington, Vermont, United States, ²University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ³University of Vermont, Colchester, Vermont, United States, ⁴University of Cincinnati, Cincinnati, Ohio, United States, ⁵University of Alabama Birmingham, Birmingham, Alabama, United States

P2070

Cardiovascular Health among Adults of African Heritage in the Groceries for Black Residents of Boston to Stop Hypertension (GoFresh) Program

Kathleen Timolien³, Marian Budu¹, Ruth Zeto², Stephen Juraschek³, Ruth-Alma N. Turkson-Ocran⁴

¹Beth Israel Deaconess Medical Center, Boston, Massachusetts, United States, ²Beth Israel Deaconess Medical Center, Boston, Massachusetts, United States, ³BETH ISRAEL DEACONESS MEDICAL CENTER, Boston, Massachusetts, United States, ⁴Beth Israel Deaconess Medical Center, Boston, Massachusetts, United States

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Effects of Dietary Patterns and Sodium Intake on Blood Pressure Variability: Results from the DASH and DASH-Sodium Trials

Siyu Zou¹, Sunan Gao¹, Stephen P. Juraschek², Edgar R. Miller³, Kunihiro Matsushita⁴, Lawrence J. Appel⁵

¹Johns Hopkins University, Baltimore, Maryland, United States, ²BIDMC-Harvard Medical School, Boston, Massachusetts, United States, ³JOHNS HOPKINS MEDICAL INSTITUTIONS, Baltimore, Maryland, United States, ⁴Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States, ⁵JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, United States

PS02.09 Lipids and Lipoproteins

P2072

Lipoprotein(a) Levels in Premature Versus Non-Premature Atherosclerotic Cardiovascular Disease: The Atherosclerosis Risk in Communities (ARIC) Study

Matthew Belanger¹, Jelani Grant², Sui Zhang¹, Seth S. Martin³, Kunihiro Matsushita⁴, Salim Virani⁵, Roger S. Blumenthal⁶, Ron C. Hoogeveen⁷, Eric Boerwinkle⁸, Christie M. Ballantyne⁹, Joseph Coresh⁴, Chiadi E. Ndumele¹⁰

¹Johns Hopkins Hospital, Baltimore, Maryland, United States, ²Johns Hopkins Hospital, Parkville, Maryland, United States, ³Johns Hopkins School of Medicine, Baltimore, Maryland, United States, ⁴Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States, ⁵Baylor College of Medicine, Houston, Texas, United States, ⁶Roger Blumenthal, Baltimore, Maryland, United States, ⁷BAYLOR COLLEGE MEDICINE, Houston, Texas, United States, ⁸Houston, Texas, United States, ⁹BAYLOR COLLEGE MEDICINE, Houston, Texas, United States, ¹⁰JOHNS HOPKINS HOSPITAL, Baltimore, Maryland, United States

P2073

The Role of Apolipoprotein(a) Size Polymorphism in Lipoprotein(a) Response to the Reduction of Dietary Saturated Fats in African Americans

Munkhtuya Myagmarsuren, Hayley Law, Wei Zhang, Heejung Bang, Lars Berglund, Enkhmaa Byambaa
UNIVERSITY OF CALIFORNIA DAVIS, Davis, California, United States

P2074

The Association of Lipoprotein(a) with Atherosclerotic Cardiovascular Disease Events and All-cause Mortality in US Hispanics/Latinos: Results from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)

Alexandrina Danilov¹, Priscilla Duran Luciano², Yawen Yuan², Diana De Oliveira Gomes¹², J. Antonio G. Lopez³, Shia Kent⁴, John Booth³, Leandro Slipczuk⁵, Claudia Martinez⁶, Robert Kaplan², Daniela Sotres-Alvarez⁷, Bharat Thyagarajan¹⁶, Santica M. Marcovina⁸, Tamar Sofer⁹, Martha L. Daviglus¹⁰, Anurag Mehta¹¹, Ann Marie M. Navar¹², James S. Floyd¹³, Fei Zou⁷, Parag H. Joshi¹⁴, Carlos J. Rodriguez¹⁵
¹Montefiore Medical Center/Albert Einstein College of Medicine, New York, New York, United States, ²Albert Einstein College of Medicine, Bronx, New York, United States, ³AMGEN, Camarillo, California, United States, ⁴Amgen, Inc., Thousand Oaks, California, United States, ⁵Montefiore Medical Center, Bronx, New York, United States, ⁶University of Miami, Miami Beach, Florida, United States, ⁷UNC Chapel Hill, CHAPEL HILL, North Carolina, United States, ⁸Medpace Reference

Laboratories, Bremerton, Washington, United States, ⁹Beth Israel Deaconess Medical Center, Boston, Massachusetts, United States, ¹⁰UNIVERSITY ILLINOIS CHICAGO, Chicago, Illinois, United States, ¹¹Virginia Commonwealth University, Glen Allen, Virginia, United States, ¹²UT Southwestern Medical Center, Dallas, Texas, United States, ¹³UNIVERSITY WASHINGTON, Seattle, Washington, United States, ¹⁴UT Southwestern Medical Center, Dallas, Texas, United States, ¹⁵Albert Einstein School of Medicine, Bronx, New York, United States, ¹⁶University of Minnesota, Minneapolis, Minnesota, United States

P2075

Impact of a Minimally Processed Provegetarian Diet on LDL-cholesterol and Cardiovascular Risk Factors in Adults with Heterozygous Familial Hypercholesterolemia: a Randomized Controlled Feeding Trial

Jacob Lessard-Lord, Valerie Guay, Maryka Rancourt-Bouchard, Patrick Couture, Anne Gangloff, Jonatan Blais, Jean-Philippe Drouin-Chartier
Laval University, Quebec, Quebec, Canada

P2076

Association of High-Density Lipoprotein Cholesterol, Apolipoprotein E and A1 Concentrations With Fetal Growth, Maturation, and Placental Insufficiency

Rikke Mohr Lytzen¹, Sofie T. Nielsen¹, Anne-Sophie Sillesen³, Anna Axelsson², Ruth Otilia Birgitta Voegg³, PIA R. KAMSTRUP⁴, Kasper Iversen³, Henning Bundgaard², Ruth Frikke-Schmidt¹

¹Department of Clinical Biochemistry, Copenhagen University Hospital - Rigshospitalet, Copenhagen, Copenhagen, Denmark, ²Department of Cardiology, Copenhagen University Hospital - Rigshospitalet, Copenhagen, Denmark, ³Department of Cardiology, Copenhagen University Hospital - Herlev-Gentofte, Copenhagen, Denmark, ⁴Department of Clinical Biochemistry, Copenhagen University Hospital - Herlev-Gentofte, Copenhagen, Denmark

P2077

The Safety Profile of Inclisiran in Patients with Dyslipidemia : A Systematic Review and Meta-Analysis

Maisha Maliha¹, Vikyath Satish², Kuan Yu Chi³, Sriram Sunil Kumar⁴, Amrin Kharawala⁵, Supreeti Behuria⁶, Eleonora GAsi⁷

¹Jacobi Medical Center, New York, New York, United States, ²Jacobi Medical Center AECOM, New York, New York, United States, ³Bronx, New York, United States, ⁴Albert Einstein COM-Jacobi Med Cent, Bronx, New York, United States, ⁵Bronx, New York, United States, ⁶Medical College of Wisconsin, Milwaukee, Wisconsin, United States, ⁷Jacobi Hospital, Bronxville, New York, United States

P2078

Extreme Lipoprotein(a) Levels and the Hazard of Acute Myocardial Infarction Among Standard Modifiable Cardiovascular Risk Factors in the United States

Joana Tome, Monica Silver, Maria Weck, Cory Pack, Maryam Ajose, Natalia Coenen, Elizabeth H. Marchlewicz, Janna Manjelienskaia
Veradigm, Libertyville, Illinois, United States

P2079

The prevalence and LDL cholesterol levels of familial hypercholesterolemia in an African ancestry cohort.

Matthew Oetjens¹, Alexandra Winters¹, Alexander S. Berry², Melissa A. Kelly⁴, Dylan Cawley¹, Sam Gidding³

¹Geisinger, Danville, Pennsylvania, United States, ²Geisinger, Elysburg, Pennsylvania, United States, ³Geisinger, Bridgewater Corners, Vermont, United States, ⁴Geisinger, Danville, Pennsylvania, United States

P2080

Interrelations between Atherogenic Index of Plasma, Subclinical Myocardial Injury, and Cardiovascular Mortality in the General Population

Uttav Sandesara, Richard Kazibwe, Joseph Yeboah, Elsayed Z. Soliman
WAKE FOREST UNIVERSITY, Winston Salem, North Carolina, United States

P2081

Characterization of Severe Hypercholesterolemia Phenotype within Electronic Health Records

Kunal Sondhi, Marine Nalbandyan, Matthew C. Tattersall, Jomol Mathew
UNIVERSITY OF WISCONSIN HOSPITAL, Madison, Wisconsin, United States

P2082

Discordance of Small Dense Low-Density Lipoprotein Cholesterol beyond Low-Density Lipoprotein Cholesterol or Non-High-Density Lipoprotein Cholesterol and Carotid Plaque Risk

Jinqi Wang¹, Xiaoyu Zhao¹, Zhiyuan Wu², Xiuhua Guo¹, Lixin Tao¹
¹Capital Medical University, Beijing, China, ²Nutrition, Harvard T.H. Chan School of Public Health, Boston, Massachusetts, United States

P2083

Lower Your LDL Cholesterol Now Initiative: Understanding Survivor LDL Awareness and Behaviors

Meg D. Yuan, Mary E. Dunn, Eliana Collins, Jamie Wielgopolan
American Heart Association, Dallas, Texas, United States

PS02.10 Myocardial Infarction

P2084

Independent prognostic factors of mortality in young patients after STEMI

Dmytro Bilyi, ALEXANDER PARKHOMENKO, Yaroslav Lutay, Oleg Irkin, Anton Stepura
NSC Institute of cardiology, Kyiv, Ukraine

P2085

Variation in Incident Atherosclerotic Cardiovascular Disease Across Asian American, Native Hawaiian and other Pacific Islander Subgroups: The PANACHE Study

Alan S. Go¹, Rishi Parikh¹, Andrew P. Ambrosy¹, Thida Tan¹, Stacey Alexeeff¹, Connor Howick², Joan C. Lo¹, Yihe G. Daida²

¹Division of Research, KAISER PERMANENTE NORTHERN CAL, Pleasanton, California, United States, ²Center for Integrated Health Research, Kaiser Permanente Hawaii, Honolulu, Hawaii, United States

P2086

Sex and Racial Differences in Prescription Patterns to Guideline-directed Medical Therapy Among STEMI Patients.

Mary Imboden, Jane Bryant, Adrienne Jones, Renee Swanson, Lori Tam, Kevin Woolf
Providence Heart Institute, Providence, Portland, Oregon, United States

P2087

Sex Disparities in Acute Myocardial Infarction Identification and Treatment.

Mary Imboden, Renee Swanson, Adrienne Jones, Jane Bryant, Lori Tam, Kevin Woolf
Providence Heart Institute, Providence, Portland, Oregon, United States

P2088

Impact Of Geographic Residence And Treatment Modality On Mortality Outcomes Among Adult Patients Diagnosed With Acute Myocardial Infarction

Carlton G. Smith¹, Liou Xu², Gary Puckrein², Demilade A. Adedinsewo³, Debra D. Dixon⁴, Norrissa Haynes⁵, Anekwe Onwuanyi⁶, Oladipupo Olafiranye⁷

¹Internal Medicine, UT Southwestern Medical Center, Dallas, Texas, United States, ²National Minority Quality Forum, Washington, District of Columbia, United States, ³Department of Cardiovascular Medicine, Mayo Clinic, Jacksonville, Florida, United States, ⁴Division of Cardiovascular Medicine, Vanderbilt University Medical Ctr, Nashville, Tennessee, United States, ⁵Division of Cardiology, Yale University, New Haven, Connecticut, United States, ⁶Department of Cardiovascular Medicine, Morehouse School of Medicine, Atlanta, Georgia, United States, ⁷Division of Cardiology, VA North Texas Health Care System, Dallas, Texas, United States

P2089

Heavy coffee consumption is associated with borderline high risk of coronary heart disease - a meta-analysis

Urvish K. Patel¹⁴, RASHI B. PATEL¹, chandu siripuram², Athmananda Nanjundappa³, Rishabh K. Rana⁴, Sakshi Jain⁵, Shika M Jain⁶, Tanzina Khan⁷, Sudharani Kintada⁸, Lovekumar Vala⁹, Neel Patel¹⁰, Vaishnavi Sirekulam¹¹, Nishtha Naik¹², Tarun Parvataneni¹⁵, HARMEET GILL¹³

¹Lower Bucks Hospital, Levittown, Pennsylvania, United States, ²Geisinger Community Medical Center, Scranton, Pennsylvania, United States, ³Medstar Franklin Square Medical Ctr, Baltimore, Maryland, United States, ⁴Department of Preventive and Social Medicine, SNMMCH, Dhanbad, India, ⁵Department of Geriatrics, Hackensack University Medical Center, Hackensack, New Jersey, United States, ⁶MVJ Medical College and Research Hospital, Bengaluru, India, ⁷Bangladesh Medical College, Dhaka, Bangladesh, ⁸Rangaraya Medical College, Kakinada, India, ⁹Shantabaa Medical College, Amreli, India, ¹⁰GMERS Medical College Gotri., Vadodara, India, ¹¹Vijaynagar Institute of Medical Sciences, Ballari, India, ¹²Department of Health & Family Welfare, Primary Health Center., Bigri, District Panchayat, Navsari, India, ¹³Department of Medicine, Florence, South Carolina, United States, ¹⁴Icahn School of Medi at Mount Sinai, New York, New York, United States, ¹⁵Aiken Regional Medical Center, Aiken, South Carolina, United States

P2090

Comparison of Medicare Claims Recorded and Surveillance Identified Myocardial Infarction in the Strong Heart Study

Heather Willmott¹, Jessica Reese¹, Jean Leidner¹, Amanda M. Fretts², Tauqeer Ali¹, Jason G. Umans³, Shelley Cole⁴, Richard B. Devereux⁵, Ying Zhang⁶

¹University of Oklahoma- HSC, Oklahoma City, Oklahoma, United States, ²University of Washington, Seattle, Washington, United States, ³MedStar Health Research Institute, BETHESDA, Maryland, United States, ⁴Texas Biomedical Research Institute, San Antonio, Texas, United States, ⁵Weill Cornell Medicine, New York, New York, United States, ⁶University of Oklahoma HSC, Edmond, Oklahoma, United States

PS02.11 Neurocognition and Brain Health

P2091

Relations Between Plasma and Digitally-Obtained Neuropsychological Biomarkers: Data from the Disparities and Equity in Childhood Cardiovascular Exposures and Alzheimer's Dementia (DECADE) Study

Ileana De Anda-Duran¹, Jessica G. Woo², Elaine M. Urbina³, Lydia A. Bazzano⁴, Owen Carmichael⁵, Achala Vagal⁶, Ganesh Baliga⁸, David Libon⁷

¹Tulane University, New Orleans, Louisiana, United States, ²CCHMC, Cincinnati, Ohio, United States, ³Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, United States, ⁴TULANE UNIVERSITY, New Orleans, Louisiana, United States, ⁵Biomedical Imaging Center, Pennington Biomedical Research Center, Baton Rouge, Louisiana, United States, ⁶UNIVERSITY OF CINCINNATI, Cincinnati, Ohio, United States, ⁷New Jersey Institute for Successful Aging, Rowan University, Stratford, New Jersey, United States, ⁸College Of Science & Mathematics, Rowan University, Glassboro, New Jersey, United States

P2092

The Association of Change in Circulating Biomarkers of Brain Injury with Cognitive Change and MRI Findings in the Cardiovascular Health Study

Cellas Hayes¹, Russell Tracy², W T. Longstreth³, Alison Fohner⁵, Joshua C. Bis⁴, Bruce M. Psaty⁵, Kenneth J. Mukamal⁶, Sudha Seshadri⁷, Claudia L. Satizabal⁷, Luc Djousse⁸, Oscar L. Lopez⁹, Michelle C. Odden¹⁰

¹Stanford University, Mountain view, California, United States, ²University of Vermont, Burlington, Vermont, United States, ³Harborview Medical Center, Seattle, Washington, United States, ⁴UNIVERSITY OF WASHINGTON, Seattle, Washington, United States, ⁵UNIVERSITY WASHINGTON, Shoreline, Washington, United States, ⁶BETH ISRAEL DEACONESS MEDICAL CTR, Brookline, Massachusetts, United States, ⁷UT Health San Antonio, San Antonio, Texas, United States, ⁸BWH AND HARVARD MED SCHOOL, Boston, Massachusetts, United States, ⁹Presbyterian University Hospital, Pittsburgh, Pennsylvania, United States, ¹⁰Stanford University, Stanford, California, United States

P2093

Chronic Kidney Disease Severity and Incident Cognitive Impairment in Patients with Chronic Kidney Disease: Findings from the Chronic Renal Insufficiency Cohort

Zhijie Huang³, Kristine Yaffe², Yang Pan¹, Changwei Li⁴, mark I. unruh¹⁵, Matthew Weir⁵, Bernard Jaar⁶, Panduranga Rao¹⁶, Mahboob Rahman⁷, Vallabh Shah⁸, Jonathan J. Taliercio⁹, Amanda H. Anderson¹⁰, Katherine T. Mills¹¹, Lydia A. Bazzano¹², Jing Chen¹², Jiang He⁴, Ana Ricardo¹⁴, James Lash¹⁴, Manjula Tamura¹³, Tanika N. Kelly¹⁴

¹University of Illinois, Chicago, Illinois, United States, ²UCSF, San Francisco, California, United States, ³Tulane University, New Orleans, Louisiana, United States, ⁴UT Southwestern, Dallas, Texas, United States, ⁵University of Maryland, Baltimore, Maryland, United States, ⁶Johns Hopkins University, Baltimore, Maryland, United States, ⁷Case Western Reserve University, Solon, Ohio, United States, ⁸University of New Mexico HSC, Albuquerque, New Mexico, United States, ⁹Cleveland Clinic, Cleveland, Ohio, United States, ¹⁰University of Alabama at Birmingham, Birmingham, Alabama, United States, ¹¹TULANE UNIVERSITY, New Orleans, Louisiana, United States, ¹²TULANE UNIVERSITY, New Orleans, Louisiana, United States, ¹³Stanford, Palo Alto, California, United States, ¹⁴University of Illinois Chicago, Chicago, Illinois, United States, ¹⁵University of New Mexico, Albuquerque, New Mexico, United States, ¹⁶University of Michigan, Ann Arbor, Michigan, United States

P2094

Atrial Fibrillation and Risk of Incident Cognitive Impairment: The Reasons for Geographic and Racial Differences in Stroke (REGARDS) Study

Vinh Le¹, Katherine Wilkinson¹, Suzanne E. Judd², Elsayed Z. Soliman³, Hyacinth I. Hyacinth⁴, Nels C. Olson¹, Melissa Smith², Mary Cushman¹

¹The Robert Larner, M.D. College of Medicine at The University of Vermont, Burlington, Vermont, United States, ²University of Alabama at Birmingham, Birmingham, Alabama, United States, ³Wake Forest University School of Medicine, Winston-Salem, North Carolina, United States, ⁴University of Cincinnati, Cincinnati, Ohio, United States

P2095

Demographics, Vascular Risk Factors, and History of Cardiovascular Disease in Relation to Prevalent Epilepsy in Older Adults:

A Pooled Analysis of ARIC, CHS, MESA, NOMAS, and WHICAP Cohorts

Sofia Pelagalli Maia¹, Stephany P. Diaz Andino¹, Oluwadamilola Obalana¹, Brian C. Petersen¹, Hyunmi Choi³, Jose Gutierrez⁴, Cheng-Shiun Leu⁵, Tian Wang³, Jiyang Han³, Sylwia Misiewicz³, Emily L. Johnson⁶, W T. Longstreth⁷, Mary Lou Biggs⁸, Annette L. Fitzpatrick⁹, Steven Shea³, Craig Johnson⁸, Mitchell S. Elkind¹⁰, Tatjana Rundek¹¹, Kevin Strobino¹², Lisandro D. Colantonio¹³, Lei Huang¹³, Carolyn W. Zhu¹⁴, Richard Mayeux³, Danurys Sanchez³, Dolly Reyes-Dumeyer³, Deborah A. Levine¹⁵, Natalie A. Bello¹⁶, Evan L. Thacker²

¹Brigham Young University, Provo, Utah, United States, ²Brigham Young University, Provo, Utah, United States, ³Columbia University, New York, New York, United States, ⁴COLUMBIA UNIVERSITY MEDICAL CE, New York, New York, United States, ⁵Columbia University, New York, New York, United States, ⁶Johns Hopkins University, Baltimore, Maryland, United States, ⁷Harborview Medical Center, Seattle, Washington, United States, ⁸University of Washington, Seattle, Washington, United States, ⁹University of Washington, Seattle, Washington, United States, ¹⁰American Heart Association, New York, New York, United States, ¹¹MILLER SCHL OF MEDICINE UNIV M, Miami, Florida, United States, ¹²Cornell University, New York, New York, United States, ¹³UNIVERSITY OF ALABAMA AT BIRMINGHAM, Birmingham, Alabama, United States, ¹⁴Mount Sinai School of Medicine, New York, New York, United States, ¹⁵University of Michigan, Ann Arbor, Michigan, United States, ¹⁶Cardiology, Cedars Sinai, Los Angeles, California, United States

P2096

Women's Midlife Systolic and Diastolic Blood Pressure Multi-trajectories and Future Cognitive Decline: The Study of Women's Health Across the Nation (SWAN)

Meiyuzhen Qi¹, Carol A. Derby², Rebecca C. Thurston¹, Maria M. Brooks¹, Samar R. El Khoudary¹
¹University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ²Albert Einstein College of Medicine, Bronx, New York, United States

P2097

Association of atrial fibrillation with probable dementia in the SPRINT Trial

Parham Samimisedeh¹, Richard Kazibwe², Christopher L. Schaich², Timothy M. Hughes², Elsayed Z. Soliman²

¹Alborz Medical University, Alborz, Iran (the Islamic Republic of), ²WAKE FOREST SCHOOL OF MEDICINE, Winston Salem, North Carolina, United States

P2098

The Interaction of Vascular Risk Factors in Midlife and Late-life on Incident Dementia: The Atherosclerosis Risk in Communities Neurocognitive Study

Jason Smith¹, James R. Pike⁸, Rebecca F. Gottesman², Pamela L. Lutsey³, Priya Palta⁴, B Gwen Windham⁵, Elizabeth Selvin⁶, David Knopman⁷, Josef Coresh⁸, A R. Sharrett⁹, Alden Gross¹⁰, Jennifer A. Deal¹⁰

¹Epidemiology, Johns Hopkins University, Baltimore, Maryland, United States, ²NINDS, Bethesda, Maryland, United States, ³University of Minnesota, Minneapolis, Minnesota, United States, ⁴UNC Chapel Hill, Chapel Hill, North Carolina, United States, ⁵UMMC, The MIND Center, Jackson, Mississippi, United States, ⁶JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, United States, ⁷Mayo Clinic,

Rochester, Minnesota, United States, ⁸NYU Grossman School of Medicine, New York, New York, United States, ⁹JOHN HOPKINS UNIV, Baltimore, Maryland, United States, ¹⁰Johns Hopkins University, Baltimore, Maryland, United States

P2099

Higher Carotid IMT Related to Lower Cognitive Function in Healthy Adults: the i3C DECADE Study

Elaine M. Urbina¹, Lydia A. Bazzano², Owen T. Carmichael³, Ileana De Anda-Duran⁴, Achala Vagal⁵, Jessica G. Woo⁶, David Libon⁷

¹Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, United States, ²TULANE UNIVERSITY SPH&TM, New Orleans, Louisiana, United States, ³Pennington Biomedical Research Institute, Baton Rouge, Louisiana, United States, ⁴Tulane University, New Orleans, Louisiana, United States, ⁵UNIVERSITY OF CINCINNATI, Cincinnati, Ohio, United States, ⁶CCHMC, Cincinnati, Ohio, United States, ⁷Rowan University, Stratford, New Jersey, United States

P2100

Longitudinal association between MIND diet adherence, inflammatory mechanism, and cognitive health

Vivian Hsing-Chun Wang¹, YIAN GU³, Alice Gelman², Jasmin Divers¹, Donglan Zhang¹

¹Center for Population & Health Services Research, Department of Foundations of Medicine, NYU Grossman Long Island School of Medicine, New York, New York, United States, ²NYU Long Island School of Medicine, Mineola, New York, United States, ³Department of Neurology, The Taub Institute for Research on Alzheimer's Disease and the Aging Brain at Columbia University, New York, New York, United States

P2101

Association of circulating senescence-associated secretory phenotype (SASP) proteins with the development of frailty in late-life: the Atherosclerosis Risk in Communities (ARIC) Study

Yimin Yang¹, Fernando R. Giugni², Arshama Dehghan³, Victoria Lamberson⁴, Brian Claggett⁵, Bing Yu⁶, Myriam Fornage⁷, Chiara Giannarelli⁸, Morgan Grams⁹, Thomas Mosley¹⁰, A R. Sharrett¹¹, Priya Palta¹², B Gwen Windham¹³, Amil M. Shah¹⁴

¹Brigham and Women's Hospital, Woodland, California, United States, ²UT Southwestern, Dallas, Texas, United States, ³UT Southwestern, Dallas, Texas, United States, ⁴UT Southwestern Medical Center, Yorktown, Virginia, United States, ⁵Brigham and Women's Hospital, Boston, Massachusetts, United States, ⁶UNIV OF TX HEALTH SCI CTR HOUSTON, Houston, Texas, United States, ⁷UT HEALTH HOUSTON, Houston, Texas, United States, ⁸NYU Langone Health, New York, New York, United States, ⁹New York University, New York, New York, United States, ¹⁰UNIV MS MEDICAL CTR, Jackson, Mississippi, United States, ¹¹JOHN HOPKINS UNIV, Baltimore, Maryland, United States, ¹²UNC Chapel Hill, Chapel Hill, North Carolina, United States, ¹³UMMC, The MIND Center, Jackson, Mississippi, United States, ¹⁴UT Southwestern Medical Center, Dallas, Texas, United States

PS02.12 Omics (Genetic)

P2102

Enhancing Ischemic Stroke Risk Prediction: Functional Genomic Insights in Black and White Participants from the Reasons for Geographic and Racial Differences in Stroke (REGARDS) Study

Nicole Armstrong¹, vinodh srinivasasainagendra², Amit Patki³, Chad Aldridge⁴, Alana Jones⁵, Ulrich Broeckel⁶, Ethan Lange⁷, Leslie Lange⁷, Pankaj Arora⁸, Nita Limdi⁹, Keith Keene¹⁰, Bradford B. Worrall⁴, Hemant K. Tiwari¹¹, Ryan M. Irvin¹²

¹University of Alabama at Birmingham, Birmingham, Alabama, United States, ²University of Alabama at Birmingham, Birmingham, Alabama, United States, ³UAB, Birmingham, Alabama, United States, ⁴University of Virginia, Charlottesville, VA, Virginia, United States, ⁵University of Alabama at Birmingham, Birmingham, Alabama, United States, ⁶Medical College of Wisconsin, Milwaukee, Wisconsin, United States, ⁷University of Colorado, Aurora, Colorado, United States, ⁸UNIVERSITY OF ALABAMA AT BIRMINGHAM, Birmingham, Alabama, United States, ⁹UNIVERSITY ALABAMA BIRMINGHAM, Birmingham, Alabama, United States, ¹⁰East Carolina University, Greenville, North Carolina, United States, ¹¹University of Alabama at Birmingham, Birmingham, Alabama, United States, ¹²UNIVERSITY ALABAMA BIRMINGHAM, Birmingham, Alabama, United States

P2103

Associations between the Plasma Proteome and a Polygenic Risk Score for Abdominal Aortic Aneurysm: The Atherosclerosis Risk in Communities Study (ARIC)

Francis Ryan Avenido¹, Aixin Li¹, Brian T. Steffen², Jim S. Pankow¹, Faye L. Norby¹, Weihua Guan³, Pamela L. Lutsey¹, Nathan Pankratz⁴, Kunihiro Matsushita⁵, Weihong Tang¹

¹Division of Epidemiology and Community Health, University of Minnesota School of Public Health, Minneapolis, Minnesota, United States, ²Division of Computational Health Sciences, Department of Surgery, University of Minnesota Medical School, Minneapolis, Minnesota, United States, ³Division of Biostatistics and Health Data Science, University of Minnesota School of Public Health, Minneapolis, Minnesota, United States, ⁴Department of Laboratory Medicine and Pathology, University of Minnesota Medical School, Minneapolis, Minnesota, United States, ⁵Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States

P2104

Prevalence of Hypertrophic Cardiomyopathy Core Gene Variants in Hispanics/Latinos: A Study from The Hispanic Community Health Study / Study of Latinos (HCHS-SOL)

Jorge Silva Enciso², Reniell Iniguez¹, Jee-young Moon³, Yawen Yuan³, Tamar Sofer⁴, Priscilla Duran Luciano⁵, Robert Kaplan¹⁶, Gregory A. Talavera⁶, Martha L. Daviglus⁷, Barry E. Hurwitz⁸, Sanjiv J. Shah⁹, Bonnie Shook-Sa¹⁵, Mayank M. Kansal¹⁰, Mario J. Garcia¹¹, Scott D. Solomon¹², Susan Cheng¹³, Carlos J. Rodriguez¹⁴

¹Northwestern, Chicago, Illinois, United States, ²Director, Hypertrophic Cardiomyopathy Program, University of San Diego, San Diego, California, United States, ³Albert Einstein College of Medicine, Bronx, New York, United States, ⁴Beth Israel Deaconess Medical Center, Boston, Massachusetts, United States, ⁵Albert Einstein College of Medicine, Bronx, New York, United States, ⁶SAN DIEGO STATE UNIVERSITY, Chula Vista, California, United States, ⁷UNIVERSITY ILLINOIS CHICAGO, Chicago, Illinois, United States, ⁸UNIVERSITY OF MIAMI, Miami, Florida, United States, ⁹NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ¹⁰University of Illinois at Chicago, Chicago, Illinois, United States, ¹¹MONTEFIORE MED CTR, Bronx, New York, United States, ¹²BRIGHAM AND WOMENS HOSPITAL, Boston, Massachusetts, United States, ¹³Cedars-Sinai Medical Center, Los Angeles, California, United States, ¹⁴Albert Einstein School of Medicine, Bronx, New York, United States, ¹⁵Biostatistics, University of North Carolina, Chapel Hill, Chapel Hill, North Carolina, United States, ¹⁶Epidemiology of cardiovascular disease, diabetes, and HIV infection; health of Hispanic/Latino populations; genetic epidemiology, Albert Einstein College of Medicine, Bronx, New York, United States

P2105

Polygenic risk scores for obstructive sleep apnea relying separately on BMI- adjusted and - unadjusted genetic associations reveal separate pathways of cardiovascular disease risk

Tamar Sofer¹, Nuzulul Kurniansyah², Satu Strausz³, Anne E. Justice⁴, Yana Hrytsenko¹, Brian E. Cade⁵, Matthew Moll⁶, Bernard Haring⁷, Su Yon Jung⁸, Laura M. Raffield⁹, Jerome I. Rotter¹⁰, Stephen S. Rich¹¹, Sina Gharib¹², Traci Bartz¹², Peter Liu¹⁰, Han Chen¹³, Lifang Hou¹⁴, Daniel Levy¹⁵, Alanna C. Morrison¹⁶,

Heather Ochs-Balcom¹⁷, PETER WILSON¹⁸, Allan I. Pack¹⁹, Hanna Ollila³, Susan Redline²⁰, Daniel Gottlieb²

¹Beth Israel Deaconess Medical Center, Boston, Massachusetts, United States, ²Brigham and Women's Hospital, Boston, Massachusetts, United States, ³Helsinki Institute of Life Science, Helsinki, Finland, ⁴Geisinger, Danville, Pennsylvania, United States, ⁵BRIGHAM AND WOMENS HOSPITAL, Boston, Massachusetts, United States, ⁶Harvard Medical School, Boston, Massachusetts, United States, ⁷Saarland University Medical Center, Homburg, Germany, ⁸UCLA, Los Angeles, California, United States, ⁹University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ¹⁰The Lundquist Institute, Torrance, California, United States, ¹¹UNIVERSITY VIRGINIA, Charlottesville, Virginia, United States, ¹²University of Washington, Seattle, Washington, United States, ¹³Univ. of Texas H Sci Ctr at Houston, Houston, Texas, United States, ¹⁴NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ¹⁵National Heart Lung and Blood Institute, Bethesda, Maryland, United States, ¹⁶UNIV OF TX HLTH SCI CNTR AT HOUSTON, Houston, Texas, United States, ¹⁷University at Buffalo, SUNY, Buffalo, New York, United States, ¹⁸Atlanta VAMC, Decatur, Georgia, United States, ¹⁹University of Pennsylvania, Philadelphia, Pennsylvania, United States, ²⁰Brigham and Women's Hospital, Boston, Massachusetts, United States

PS02.13 Omics (Non-Genetic)

P2106

Serum Metabolomic Markers of Dietary Potassium and Incident Chronic Kidney Disease Risk

Lauren Bernard¹, Jiaqi Yang², Jingsha Chen², Valerie K. Sullivan², Bing Yu³, Eugene P. Rhee⁴, Rebholz Casey²

¹University of Maryland, Columbia, Maryland, United States, ²Welch Center for Prevention, Epidemiology, and Clinical Research, Baltimore, Maryland, United States, ³UNIV OF TX HEALTH SCI CTR HOUSTON, Houston, Texas, United States, ⁴Nephrology and Endocrine Unit, Massachusetts General Hospital, Boston, Massachusetts, United States

P2107

Sex-Specific Associations of Plasma Proteins with HF Risk: The Atherosclerosis in Communities (ARIC) Study

Victoria Lamberson¹, Yimin Yang², Brian Claggett³, Ron C. Hoogeveen⁴, Christie M. Ballantyne⁵, Joe Coresh⁶, Bing Yu⁷, Amil M. Shah⁸

¹UT Southwestern Medical Center, Yorktown, Virginia, United States, ²Brigham and Women's Hospital, Woodland, California, United States, ³Brigham and Women's Hospital, Boston, Massachusetts, United States, ⁴BAYLOR COLLEGE MEDICINE, Houston, Texas, United States, ⁵BAYLOR COLLEGE MEDICINE, Houston, Texas, United States, ⁶JOHNS HOPKINS SPH WELCH CENTER, Baltimore, Maryland, United States, ⁷UNIV OF TX HEALTH SCI CTR HOUSTON, Houston, Texas, United States, ⁸UT Southwestern Medical Center, Dallas, Texas, United States

P2108

Longitudinal Changes of Chemical Exposome on Blood Pressure after Bariatric Surgery among Adolescents

Shudi Pan¹, Zhenjiang Li¹, Qiran Jia¹, Jesse Goodrich¹, Brittney Baumert¹, Hongxu Wang¹, Sarah Rock¹, Todd Jenkins², Stephanie Sisley³, Scott M. Bartell⁴, Thomas Inge⁵, Stavra Xanthakos⁶, Catherine Mullins⁷, Douglas Walker⁷, Rob McConnell¹, Erika Garcia¹, Sandrah Eckel¹, David Conti¹, Justin R. Ryder⁵, Lida Chatzi¹

¹Population and Public Health Sciences, Keck School of Medicine, University of Southern California, Pasadena, California, United States, ²Division of Biostatistics & Epidemiology, Cincinnati Children's Hospital Medical Center, Department of Pediatrics, University of Cincinnati College of Medicine,

Cincinnati, Ohio, United States, ³USDA/ARS Children's Nutrition Research Center, Department of Pediatrics, Baylor College of Medicine, Houston, Texas, United States, ⁴Department of Statistics, University of California, Irvine, Irvine, California, United States, ⁵Department of Surgery, Northwestern University Feinberg School of Medicine and Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, Illinois, United States, ⁶Division of Gastroenterology, Hepatology, Nutrition, Cincinnati Children's Hospital Medical Center, Department of Pediatrics, University of Cincinnati College of Medicine, Cincinnati, Ohio, United States, ⁷Gangarosa Department of Environmental Health, Emory University, Atlanta, Georgia, United States

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Sex Differences in the Plasma Metabolome Before and After Exercise Training

Eric Leszczynski¹, Jacob Barber⁴, Prashant Rao⁴, Kiani Jacobs¹, Michael Mi⁴, Prasun K. Dev¹, Charles Schwartz¹, SUJOY GHOSH², Claude Bouchard², Clary Clish³, Jeremy Robbins⁴, Robert E. Gerszten⁴, Mark Sarzynski¹

¹UNIVERSITY OF SOUTH CAROLINA, Columbia, South Carolina, United States, ²PENNINGTON BIOMEDICAL RESEARCH CTR, Baton Rouge, Louisiana, United States, ³Broad Institute of MIT and Harvard, Cambridge, Massachusetts, United States, ⁴Beth Israel Deaconess Medical Center, Boston, Massachusetts, United States

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Differences by Race, but not Sex, in Metabolomic Profiles Associated with Red and Processed Meat Consumption in the Coronary Artery Risk Development in Young Adults (CARDIA) Study

Aditya Shetye¹, Annie Green Howard², katie meyer¹, Autumn G. Hullings¹, Sachin Mhatre³, Yuanyan Li¹, Blake Rushing¹, Wei Sha³, Cora E. Lewis⁴, Christy L. Avery⁵, Kari E. North⁵, Penny Gordon-Larsen⁶

¹Department of Nutrition, UNC - Chapel Hill, Raleigh, North Carolina, United States, ²Department of Biostatistics, UNC - Chapel Hill, Chapel Hill, North Carolina, United States, ³Atrium Health, Charlotte, North Carolina, United States, ⁴University of Alabama at Birmingham, Birmingham, Alabama, United States, ⁵Department of Epidemiology, UNC - Chapel Hill, Chapel Hill, North Carolina, United States, ⁶Office of the Vice Chancellor for Research, UNC - Chapel Hill, Chapel Hill, North Carolina, United States

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Analysis of C-reactive protein omics-measures associates methylation risk score with obstructive sleep apnea-related measures

Ziqing Wang¹, Danielle Wallace¹, Brian Spitzer¹², Tianyi Huang², Kent D. Taylor³, Jerome I. Rotter³, Stephen S. Rich⁴, Peter Liu³, Martha L. Daviglius⁵, Lifang Hou⁶, Alberto Ramos⁷, Sonya Kaur⁷, Peter Durda⁸, Hector Gonzalez¹³, Myriam Fornage⁹, Susan Redline¹⁰, Carmen R. Isasi¹¹, Tamar Sofer¹²

¹BIDMC, Boston, Massachusetts, United States, ²Laboratory of Epidemiology and Population Sciences, National Institute on Aging, Baltimore, Maryland, United States, ³The Lundquist Institute, Torrance, California, United States, ⁴UNIVERSITY VIRGINIA, Charlottesville, Virginia, United States, ⁵UNIVERSITY ILLINOIS CHICAGO, Chicago, Illinois, United States, ⁶NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ⁷University of Miami, Miami, Florida, United States, ⁸Department of Pathology and Laboratory Medicine, University of Vermont, Burlington, Vermont, United States, ⁹UT HEALTH HOUSTON, Houston, Texas, United States, ¹⁰Brigham and Women's Hospital, Boston, Massachusetts, United States, ¹¹ALBERT EINSTEIN COLLEGE MEDICINE, Bronx, New York, United States, ¹²Beth Israel Deaconess Medical Center, Boston, Massachusetts, United States, ¹³University of California, San Diego, San Diego, California, United States

P2112

Longitudinal Associations Between the Microbiome and Glucose Homeostasis Over Time in The Microbiome and Insulin Longitudinal Evaluation Study (MILES)

Lekki Wood¹, Kristi L. Hoffman¹, Alain G. Bertoni², Stephen S. Rich³, Jerome I. Rotter⁴, Yii-Der Ida Chen⁴, Mark O. Goodarzi⁵

¹Baylor College of Medicine, Houston, Texas, United States, ²WAKE FOREST UNIV SCHOOL MED, Pfafftown, North Carolina, United States, ³UNIVERSITY VIRGINIA, Charlottesville, Virginia, United States, ⁴The Lundquist Institute, Torrance, California, United States, ⁵Cedars-Sinai Medical Center, West Hollywood, California, United States

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Metabolomic signatures of Puerto Rican dietary patterns and associations with cardiometabolic risk

Tong Xia¹, Kaumudi Joshipura⁷, Sona Rivas-Tumanyan², Katherine L. Tucker³, Sabrina Noel³, Liming Liang⁴, Frank Hu⁵, Danielle Haslam⁶, Shilpa Bhupathiraju¹

¹Harvard Medical School and Brigham and Women's Hospital; Harvard School of Public Health, Boston, Massachusetts, United States, ²UPR SCHOOL OF DENTAL MEDICINE, Carolina, Puerto Rico, United States, ³UNIVERSITY OF MASSACHUSETTS LOWELL, Lowell, Massachusetts, United States, ⁴Harvard University, Boston, Massachusetts, United States, ⁵Boston, Massachusetts, United States, ⁶Brigham and Womens Hospital, Canton, Massachusetts, United States, ⁷Ahmedabad University, Ahmedabad, Gujarat, India

PS02.14 Peripheral Artery Disease and Venous Thrombosis

P2114

Metabolites Associated with Long Term Risk of Peripheral Artery Disease and Critical Limb Ischemia: The Atherosclerosis Risk in Communities (ARIC) Study

Eyram C. Bansah¹, Xiao Hu¹, Shoshana Ballew², Morgan Grams³, Vijay Nambi⁴, Elizabeth Selvin¹, Joe Coresh², Eric Boerwinkle⁵, Bing Yu⁵, Kunihiro Matsushita⁶

¹Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States, ²Population Health, New York University Grossman School of Medicine, New York, New York, United States, ³Medicine, New York University, New York, New York, United States, ⁴Medicine, Baylor College of Medicine, Houston, Texas, United States, ⁵UTHealth, Houston, Texas, United States, ⁶Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States

P2115

Spatiotemporal Transcriptomics Analysis Of Central Venous Stenosis Suggests TNF-alpha As A Potential Therapeutic Target In Chronic Kidney Disease Rats

Saran Lotfollahzadeh

Boston University, Boston, Massachusetts, United States

PS02.15 Physical Activity and Sedentary Behavior 2

P2116

Peripheral Artery Disease Identified by Multi-Modalities and Accelerometry-Derived Physical Activity in the community: the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)

Pablo Martinez-Amezcu¹, Robert Kaplan⁹, Matthew A. Allison², Maya J. Salameh³, Franklyn Gonzalez⁴, Daniela Sotres-Alvarez⁵, Yimin Ding¹, Yejin Mok⁶, Jennifer Schrack⁷, Kuni Matsushita⁸

¹Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States, ²University of California San Diego, La Jolla, California, United States, ³Johns Hopkins, Washington, District of Columbia, United States, ⁴CSCC - UNC Chapel Hill, Chapel Hill, North Carolina, United States, ⁵Biostatistics, UNC Chapel Hill, Chapel Hill, North Carolina, United States, ⁶Johns Hopkins University, Baltimore, Maryland, United States, ⁷Johns Hopkins University,

Baltimore, Maryland, United States, ⁸JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, United States, ⁹Epidemiology and Population Health, Albert Einstein College of Medicine, New York, New York, United States

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Associations of cardiac biomarkers with physical activity and sedentary behavior in postmenopausal women

Connor Miller¹, Andrea Z. LaCroix², Charles Eaton⁴, Eric Hyde⁵, Alexi Vasbinder⁶, Steven Nguyen⁷, Chongzhi Di⁸, Michael J. LaMonte³

¹University at Buffalo, Buffalo, New York, United States, ²UNIVERSITY OF CALIFORNIA SAN DIEGO, La Jolla, California, United States, ³University at Buffalo - SUNY, Buffalo, New York, United States, ⁴Brown University, Pawtucket, Rhode Island, United States, ⁵Herbert Wertheim School of Public Health and Human Longevity Science, University of California, San Diego, San Diego, California, United States, ⁶University of Washington, Seattle, Washington, United States, ⁷UC San Diego HWSPH, La Jolla, California, United States, ⁸Division of Public Health Sciences, Fred Hutchinson Cancer Center, Seattle, Washington, United States

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Marital status is associated with meeting the aerobic physical activity guideline in Latino men

Rosenda Murillo, Guillermo Saldana, Karen Garcia

UNIVERSITY OF HOUSTON, Houston, Texas, United States

P2119

MESA Heart Failure Risk Score: Trajectory and LE8 Healthy Behavior Impact in Brazilian Adults

Marcus Nascimento-Ferreira¹, Augusto Cesar De Moraes²

¹Federal University of Tocantins, Miracema, Brazil, ²School of Public Health in Austin, Department of Epidemiology, The University of Texas Health Science Center at Houston, Austin, Texas, United States

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Assessing the Accuracy of OpenStreetMap Sidewalk Data: A Comparative Study with Google Street View

Brianne Nichols¹, Sabrina Thorn¹, Emma Tomb¹, Tyler Quinn²

¹West Virginia University, Morgantown, West Virginia, United States, ²West Virginia University, Morgantown, West Virginia, United States

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Associations of Physical Activity and Sedentary Behavior with CVD Risk: Mediation by Cardiac Autonomic Function (Pooled Analysis of Six NHLBI Cohorts)

Zachary C. Pope¹, Francis Ryan Avenido², Christine Prissel², Nathan R. Mitchell², Mahesh Mathew², Pamela Schreiner², David R. Jacobs², Lin Y. Chen³, Susan R. Heckbert⁴, Elsayed Z. Soliman⁵, Donald M. Lloyd-Jones⁶, Kelley P. Gabriel⁷, David S. Siscovick⁸, Bruce M. Psaty¹⁰, Phyllis Stein⁹, Mercedes R. Carnethon⁶, Daniel Levy¹¹, Mark Pereira²

¹University of Oklahoma Health Sciences, Oklahoma City, Oklahoma, United States, ²Division of Epidemiology and Community Health, University of Minnesota School of Public Health, Rosemount, Minnesota, United States, ³School of Medicine, University of Minnesota, Minneapolis, Minnesota, United States, ⁴Department of Epidemiology, University of Washington School of Public Health, Seattle, Washington, United States, ⁵School of Medicine, Wake Forest University, Winston Salem, North Carolina, United States, ⁶Department of Preventive Medicine, Northwestern University Feinberg School of Medicine, Chicago, Illinois, United States, ⁷Department of Epidemiology, University of Alabama at Birmingham School of Public Health, Birmingham, Alabama, United States, ⁸The New York Academy of Medicine, New York, New York, United States, ⁹John T. Milliken Department of Medicine, Washington

University School of Medicine in St. Louis, St. Louis, Missouri, United States, ¹⁰Departments of Medicine and Epidemiology, University of Washington, Shoreline, Washington, United States, ¹¹Population Sciences Branch, National Heart, Lung, and Blood Institute of the National Institutes of Health, Bethesda, Maryland, United States

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Occupational Physical Activity and Mortality Risk: Evidence from a Nationally Representative U.S. Sample (NHANES 1999-2006)

Tyler Quinn¹, William Boyer²

¹West Virginia University, Morgantown, West Virginia, United States, ²California Baptist University, Riverside, California, United States

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Feasibility and acceptability of *Boost Your Balance*: A digital Intervention to improve balance confidence and reduce fall risk in older women

Corey M. Rovzar¹, Abby C. King³, Marcia L. Stefanick²

¹Stanford, Palo Alto, California, United States, ²STANFORD UNIVERSITY, Palo Alto, California, United States, ³Stanford University, Stanford, California, United States

P2124

Association between accelerometer-corrected physical activity and the prevalence of hypertension, diabetes, and obesity: Results from Korea National Health and Nutrition Examination Survey, 2014-2017

Woo Young Shin¹, Ji-Yeob Choi¹, Hyo Lee², Miyoung Lee³

¹Department of Biomedical Sciences, Seoul National University Graduate School, Yongin-si, Gyeonggi-do, Korea (the Republic of), ²Department of Sport and Health Promotion, Sangmyung University, Seoul, Korea (the Republic of), ³Department of Sport, Health, and Rehabilitation, Kookmin University, Seoul, Korea (the Republic of)

P2125

Association of Gender with Self-reported Physical Activity Among Younger Persons After a Myocardial Infarction

Kara Suvada¹, Viola Vaccarino², Lisa Elon³, Hua She¹, Robert T. Krafty¹, Felipe Lobelo², Jeffery Osei⁴, Matthew Gold⁵, Adithya Yadalam⁵, Vardhmaan Jain⁵, Alexander C. Razavi⁶, Amit J. Shah¹

¹Department of Biostatistics, Emory University, Atlanta, Georgia, United States, ²Hubert Department of Global Health, Emory University, Atlanta, Georgia, United States, ³Department of Biostatistics, Emory University, Atlanta, Georgia, United States, ⁴Department of Epidemiology, Emory University, Atlanta, Georgia, United States, ⁵Department of Medicine, Emory University, Atlanta, Georgia, United States, ⁶Emory University, Atlanta, Georgia, United States

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Physical Activity, Inflammation, and Cardiometabolic Risk in Diabetic Kidney Disease: A Population-Based Study

Wirampa Tanglai¹, Apichai Wattanapisit², Watanabe Osamu³, Thanakrit Jeamjitvibool¹, Mark Lockwood¹, Mia I. Cajita¹

¹Department of Biobehavioral Nursing Science, University of Illinois Chicago, Chicago, Illinois, United States, ²Family Medicine, School of Medicine, Walailak University, Thasala, Nakhon Si Thammarat, Thailand, ³Teikyo University of Science, Tokyo, Japan

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AHA Life's essential 8 and ideal cardiovascular health among adult swimmers

Eduard Tiozzo¹, Cynthia Henley², Caroline Jones¹, Fredrick Perry³, Isabella Viscovich¹, Giana Johnson⁴, Hannah Gardener⁵, Kerstin Yu¹

¹University of Miami, Miami, Florida, United States, ²Retired, Miami, Florida, United States, ³Florida State University, Tallahassee, Florida, United States, ⁴St George's University, Grenada, West Indies, Grenada, ⁵University of Miami, Miami, Florida, United States

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Can We Swim Our Way to Better Health? A Cross-sectional National Survey

Eduard Tiozzo¹, Cynthia Henley⁵, Nicole L. Pontee², Joslyn Gober², Adriana Valbuena Valecillos², Lance Reccoppa², JONATHAN PRESLEY², Jessica Mitchell⁴, Lawrence P. Cahalin³, Sandra DeMel², Hannah Gardener³, Kerstin Yu³

¹Physical Medicine and Rehabilitation, University of Miami Miller School of Medicine, Miami, Florida, United States, ²Physical Medicine and Rehabilitation, Jackson/ University of Miami, Miami, Florida, United States, ³University of Miami, Coral Gables, Florida, United States, ⁴Rowan University, Miami, Florida, United States, ⁵Retired, Miami, Florida, United States

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A scoping review comparing individual and multi-level physical activity interventions in rural women in the United States

Katrina L. Wilhite¹, Alexis Thrower¹, Sarah Modlin¹, Meiling Zheng¹, Carly Williamson², Elly Marshall¹, Virginia Desouky¹, Christiaan Abildso¹, Cynthia K. Perry³, M Renee Umstatted Meyer⁴, Bethany Barone Gibbs¹

¹West Virginia University, Morgantown, West Virginia, United States, ²University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ³Science University Portland, Portland, Oregon, United States, ⁴Baylor University, Waco, Texas, United States

P2130

Identifying Predictors of Achieving 150 Minutes of Weekly Walking in Aging Latinx Adults Enrolled in a 12-month Physical Activity RCT: Insights from Signal Detection Analysis

Astrid N. Zamora¹, Michele L. Patel², Maria Campero¹, Dulce Maria Garcia¹, Abby C. King¹

¹Epidemiology and Population Health, Stanford University School of Medicine, Palo Alto, California, United States, ²Stanford Prevention Research Center, Stanford University School of Medicine, Palo Alto, California, United States

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The Association between Leisure Activities and the Risk of Cardiometabolic Multimorbidity among Older Chinese Adults

Xian Zhang

Duke Kunshan University, Shanghai, Outside U.S./Canada, China

PS02.16 Physical Functioning and Quality of Life

P2132

Impact of Midlife Physical Activity on Multimorbidity in a Rural Setting: Insights from the Bogalusa Heart Study

Vanessa Fonseca Lomeli¹, Shirine Moukaled¹, Iyinope Sivebukola¹, Camilo Fernandez¹, Phillip Hwang², Robert L. Newton³, Ileana De Anda-Duran¹, Lydia A. Bazzano¹

¹Tulane University, New Orleans, Louisiana, United States, ²Department of Anatomy & Neurobiology, Boston University Chobanian & Avedisian School of Medicine, Boston, Massachusetts, United States

States, ³PENNINGTON BIOMEDICAL RESEARCH CENT, Baton Rouge, Louisiana, United States

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Physical performance and coronary heart disease, cardiovascular disease and all-cause mortality: the REasons for Geographic And Racial Differences in Stroke prospective cohort study

Abu Abdullah Mohammad Hanif¹, Parag Goyal², Lisandro D. Colantonio¹, Monika M. Safford², Barrett Bowling³, ENE M. ENOGELA¹, Ro-Jay Reid², Mojisola Fasokun¹, Oluwasegun P. Akinyelure¹, Hugo G Quezada-Pinedo³, Madeline R. Sterling², Emily B. Levitan¹

¹School of Public Health, University of Alabama at Birmingham, Birmingham, Alabama, United States, ²Weill Cornell Medicine, New York, New York, United States, ³School of Medicine, Duke University, Durham, North Carolina, United States

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Fatigue category, quality of life, and risk of incident clinical heart failure in those with stage B heart failure in the Atherosclerosis Risk in Communities (ARIC) Study.

Noelle Pavlovic¹, Martha Abshire Saylor², Cheryl R. Dennison Himmelfarb³, Yvonne Commodore-Mensah⁴, Christopher S. Lee⁵, Amil M. Shah⁶, Patricia Chang¹⁰, Kunihiro Matsushita⁷, Sabra Lewsey⁸, Chiadi E. Ndumele⁹

¹Bloomberg School of Public Health, Johns Hopkins University, Baltimore, Maryland, United States, ²Johns Hopkins University, Eldersburg, Maryland, United States, ³JOHNS HOPKINS UNIV, Baltimore, Maryland, United States, ⁴JOHNS HOPKINS SCHOOL OF NURSIN, Baltimore, Maryland, United States, ⁵Boston College, Chestnut Hill, Massachusetts, United States, ⁶UT Southwestern Medical Center, Dallas, Texas, United States, ⁷Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States, ⁸Johns Hopkins University, Baltimore, Maryland, United States, ⁹JOHNS HOPKINS HOSPITAL, Baltimore, Maryland, United States, ¹⁰University of North Carolina, Chapel Hill, North Carolina, United States

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Nicorandil improves health status outcomes in patients with angina pectoris: a prospective, multicenter, cohort study (GREAT)

Yong Zeng, xiliang zhao, Xin Du, Yaodong Ding, Changsheng Ma
Beijing Anzhen Hospital, Beijing, China

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Prognostic Value of the Six-Minute Walk Test in Patients with Hypertrophic Cardiomyopathy

Yu Zhang, Leqi Wang, lei song

State Key Laboratory of Cardiovascular Disease, Cardiomyopathy Ward, National Clinical Research Center of Cardiovascular Diseases, Fuwai Hospital, National Center for Cardiovascular Diseases, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China

PS02.17 Pregnancy and Maternal and Fetal Health 2

P1053

Impact of Adversity and Birth Outcomes on the Prevalence of Heart-Related Conditions in Children

Jenil Patel¹, Deep Shah¹, Anna Holdiman¹, Sneha Manoharan¹, Wendy N. Nembhard², Riddhi Patel³, Sarah E. Messiah³

¹Epidemiology, UTHealth Houston School of Public Health, Dallas, Texas, United States, ²UNIVERSITY OF ARKANSAS FOR MED SCI, Little Rock, Arkansas, United States, ³University of Texas, Dallas,

Texas, United States

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Depressive symptoms during late pregnancy are associated with higher cardiovascular disease risk 2-7 years after delivery.

Shannon D. Donofry¹, William Grobman², C Noel Bairey Merz³, George Saade⁴, Matthew Hoffman⁵, Victoria L. Pemberton⁶, Lisa Levine⁷, Sadiya S. Khan⁸, Uma Reddy⁹, Lynn Yee¹⁰, Janet M. Catov¹¹

¹Behavioral and Policy Sciences, RAND, Pittsburgh, Pennsylvania, United States, ²Obstetrics and Gynecology, Brown University, Providence, Rhode Island, United States, ³Cedars-Sinai, Los Angeles, California, United States, ⁴Obstetrics and Gynecology, Norfolk, Virginia, United States, ⁵Christiana Care, Newark, Delaware, United States, ⁶NHLBI, Bethesda, Maryland, United States, ⁷University of Pennsylvania, Philadelphia, Pennsylvania, United States, ⁸Northwestern University, Oak Park, Illinois, United States, ⁹Obstetrics and Gynecology, Columbia University Irving Medical Center, New York, New York, United States, ¹⁰Northwestern, Chicago, Illinois, United States, ¹¹UNIVERSITY OF PITTSBURGH, Pittsburgh, Pennsylvania, United States

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Childhood Parental Incarceration and Adverse Pregnancy Outcomes

Nicole Fields³, Jaelyn D. Borrowman¹, Natalie Cameron⁵, Sadiya S. Khan⁴, Mercedes R. Carnethon², Amanda M. Perak⁷, Kiarri N. Kershaw⁶, Donald M. Lloyd-Jones³, Nia Heard-Garris²

¹Preventive Medicine, Northwestern University, Chicago, Illinois, United States, ²NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ³Northwestern University, Chicago, Illinois, United States, ⁴Northwestern University, Oak Park, Illinois, United States, ⁵Northwestern University, Chicago, Illinois, United States, ⁶NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ⁷Lurie Children's Hospital and Northwestern University, La Grae, Illinois, United States

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Prevalence and Trends in Pre-Pregnancy Hypertension Among Hispanic Ethnic Groups from 2018-2022

Renie Iniguez¹, Nilay S. Shah², Matthew OBrien³, Philip Greenland⁴, William GROBMAN³, Sadiya S. Khan⁵, Natalie Cameron⁶

¹Northwestern, Chicago, Illinois, United States, ²Northwestern University, Chicago, Illinois, United States, ³Northwestern Feinberg School of Med, Chicago, Illinois, United States, ⁴FEINBERG SCH OF MEDICINE, Chicago, Illinois, United States, ⁵Northwestern University, Oak Park, Illinois, United States, ⁶Northwestern University, Chicago, Illinois, United States

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Changes in Cardiovascular Health in Midlife Following a Pregnancy Complicated by Preeclampsia and/or Placental Maternal Vascular Malperfusion Lesions

Andrea Kozai¹, Robin E. Gandley², Malamo E. Countouris³, Janet M. Catov⁴

¹University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ²MAGEE WOMENS RESEARCH INSITITUTE, Pittsburgh, Pennsylvania, United States, ³UPMC, Pittsburgh, Pennsylvania, United States, ⁴UNIVERSITY OF PITTSBURGH, Pittsburgh, Pennsylvania, United States

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Developing a Targeted Educational Intervention Addressing Barriers to Home Blood Pressure Monitoring for Pregnant People with Hypertensive Disorders of Pregnancy

Sravya Shankara², Evelyn Semenov¹, Ana-Maria Poole¹, Katherine Tak¹, Akanksha Nagarkar¹, Lara Kovell³

¹Medical School, University of Massachusetts Chan School of Medicine, Shrewsbury, Massachusetts, United States, ²Internal Medicine, Tufts Medical Center, Boston, Massachusetts, United States, ³UMass Medical School, Worcester, Massachusetts, United States

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Hypertensive disorders of pregnancy (HDP) and cardiovascular disease (CVD) in American Indians: The Strong Heart Family Study (SHFS)

Jessica A. Reese¹, Ying Zhang², Richard B. Devereux³, Jason G. Umans⁴, Emily Harville⁵, Lyle G. Best⁶
¹Biostatistics and Epidemiology, University of Oklahoma- HSC, Oklahoma City, Oklahoma, United States, ²University of Oklahoma HSC, Edmond, Oklahoma, United States, ³Weill Cornell Medicine, New York, New York, United States, ⁴MedStar Health Research Institute, BETHESDA, Maryland, United States, ⁵Tulane University, New Orleans, Louisiana, United States, ⁶Missouri Breaks Industries Research, Watford City, North Dakota, United States

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Adverse Pregnancy Outcomes – Planning for Fourth Trimester Interventions to Promote Equitable Long-Term Cardiovascular Health

Salomon Roman Soto, Christina Blanchard, Jesse Rattan, Angelina A. Toluhi, Ayodeji Sanusi, Samantha Martin, Victoria Jauk, Lynda Ugwu, Ashley Battarbee, Akila Subramaniam, Alan Tita, Rachel Sinkey
University of Alabama at Birmingham, Birmingham, Alabama, United States

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The Duration of Expectant Management During Hypertensive Disorders of Pregnancy and Blood Pressure 2-7 Years After Delivery

Raj Shree¹, Mindy Pike¹, Hyagriv Simhan², Lynn Yee³, Lisa Levine⁴, Robert Silver⁵, Matthew Hoffman⁶, Philip Greenland³, George Saade⁷, C Noel Bairey Merz⁸, William Grobman⁹, Janet M. Catov²
¹Obstetrics & Gynecology, University of Washington, Seattle, Washington, United States, ²University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ³Northwestern University, Chicago, Illinois, United States, ⁴University of Pennsylvania, Philadelphia, Pennsylvania, United States, ⁵University of Utah, Salt Lake City, Utah, United States, ⁶Christiana Care, Newark, Delaware, United States, ⁷Eastern Virginia Medical School, Norfolk, Virginia, United States, ⁸Cedars-Sinai, Los Angeles, California, United States, ⁹Brown University, Providence, Rhode Island, United States

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Low Physical Activity is Associated with Hypertensive Disorders of Pregnancy in Californian Women with Overweight or Obesity

Leigh Ann Simmons, Jennifer E. Phipps, Sebastian Castro-Alvarez, Paige Smith, Victoria Keeton, Paige Gilliland, Phoebe Nicholas, Alina Patrikeyeva, Courtney Overstreet
University of California, Davis, Sacramento, California, United States

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Multiple Pathways of CD34⁺ Cell Differentiation during Embryogenesis

Ting Wang, Hui Gong, Guoguo Ye, Qingbo Xu
Zhejiang university, Hang Zhou, China

PS02.18 Sleep Behavior and Sleep Disorders

P2147

Descriptive Analysis of the Reinforcing Essentials of Sleep for Teens Program: Findings from a Pilot Study

Srivarsha Kaloth², Hilary Kim¹, Annabel Myung-Joo Cho¹, Brooke A. Aggarwal¹

¹Columbia University Medical Center, New York, New York, United States, ²Rutgers Robert Wood Johnson Medical School, North Brunswick, New Jersey, United States

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Adverse Childhood Experiences are Associated with Poor Sleep Among Racial and Ethnic Minoritized Patients with Recent Myocardial Infarction

Alexis Bartelloni¹, Stefany de Brito¹, Anais Hausvater², Nathaniel Smilowitz¹, Harmony R. Reynolds³, Tanya M. Spruill³

¹NYU Langone Health, New York, New York, United States, ²NYU Langone Medical Center, New York, New York, United States, ³NYU GROSSMAN SCHOOL MEDICINE, New York, New York, United States

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Obstructive Sleep Apnea Is Associated With Lower In-Hospital Mortality Among Non-ST Segment Myocardial Infarction Patients With Gender Disparities In Cardiac Intervention

Samuel Clarin¹, Mohammed Quazi¹, Abu Baker Sheikh²

¹University of New Mexico, Albuquerque, New Mexico, United States, ²University of New Mexico, Albuquerque, New Mexico, United States

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Good Sleep Health Is Associated With Better Cardiometabolic Health In Adolescents: A Multidimensional-Multimethod, Factor-Analytic Approach

Casandra Nyhuis², Pura Ballester-Navarro³, Kristina Lenker¹, Susan Calhoun¹, Jiangang Liao¹, Alexandros Vgontzas⁴, Edward O. Bixler⁶, Duanping Liao⁵, Julio Fernandez-Mendoza¹

¹PENN STATE COLLEGE OF MEDICINE, Hershey, Pennsylvania, United States, ²Penn State College of Medicine, Hershey, Pennsylvania, United States, ³Universidad Catolica San Antonio, Murcia, Spain, ⁴Penn State, Hershey, Pennsylvania, United States, ⁵PENN STATE UNIV COLLEGE OF MED, Hershey, Pennsylvania, United States, ⁶Penn State University, Hershey, Pennsylvania, United States

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Correlates of Sleep Health in Women of the Coronary Artery Risk Development in Young Adults (CARDIA) Study

Mandy Pershing⁸, xuan cai⁸, Stephen J. Thomas¹, Cora E. Lewis², Catherine Kim³, Pamela Schreiner⁴, Kristen Knutson⁵, Swaty Chapagai⁶, Kathryn Reid⁸, Shaina J. Alexandria⁷, Mercedes R. Carnethon⁸

¹UNIVERSITY OF ALABAMA AT BIRMINGHAM, Birmingham, Alabama, United States, ²UNIV ALABAMA BIRMINGHAM, Birmingham, Alabama, United States, ³UNIV OF MICHIGAN, Ann Arbor, Michigan, United States, ⁴UNIV MINNESOTA, Minneapolis, Minnesota, United States, ⁵Northwestern University, Chicago, Illinois, United States, ⁶Northwestern University, Chicago, Illinois, United States, ⁷Northwestern University, Chicago, Illinois, United States, ⁸NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States

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Food Insecurity and Sleep Duration among Hypertensive Patients in Jamaica

Vivien Wambugu¹, Nadia R. Bennett², Keri-An Facey², Cavel Lawrence², Deron Galusha¹, Colette Cunningham-Myrie², Marshall Tulloch-Reid², Marlene Brewster², Michael Boyne², Mayur Desai³, Carol R. Oladele¹, Trevor Ferguson²

¹Yale School of Medicine, New Haven, Connecticut, United States, ²University of the West Indies, Kingston, Jamaica, ³Yale School of Medicine, New Haven, Connecticut, United States

PS02.19 Social Determinates of Health

P2156

Association between social support and clinical outcomes in older adults with chronic kidney disease

Flor Alvarado¹, Siyi Geng¹, Eleanor Rivera¹¹, Jing Chen², Robert S. Hoover³, Hua He¹³, Milda Saunders⁴, Vallabh Shah⁵, Hernan Rincon-Choles⁶, Paul Drawz¹², Bernard Jaar⁷, Ana Ricardo¹¹, James H. Sondheimer⁸, mark I. unruh⁹, James Lash¹¹, Amanda H. Anderson¹⁴, Deidra C. Crews⁷, Katherine T. Mills¹, Jiang He¹⁰

¹Tulane University, New Orleans, Louisiana, United States, ²UT Southwestern Medical Center, Dallas, Texas, United States, ³Tulane University, New Orleans, Louisiana, United States, ⁴University of Chicago Medicine, Chicago, Illinois, United States, ⁵University of New Mexico HSC, Albuquerque, New Mexico, United States, ⁶Cleveland Clinic Foundation, Cleveland, Ohio, United States, ⁷Johns Hopkins University, Baltimore, Maryland, United States, ⁸Wayne State U. School of Medicine, Detroit, Michigan, United States, ⁹University of New Mexico, Albuquerque, New Mexico, United States, ¹⁰UT Southwestern Medical Center, Dallas, Texas, United States, ¹¹University of Illinois Chicago, Chicago, Illinois, United States, ¹²University of Minnesota, Minneapolis, Minnesota, United States, ¹³Tulane University, New Orleans, Louisiana, United States, ¹⁴University of Alabama at Birmingham, Birmingham, Alabama, United States

P2157

Social Determinants of Health and Health Behaviors Among Adults with Multiple Chronic Diseases: The LINKED-HEARTS Program

Yuling Chen¹, Janice Dugbartey¹, Sarah Slone¹, Oluwabunmi Ogungbe¹, Lisa A. Cooper², Yvonne Commodore-Mensah¹, Cheryl R. Dennison Himmelfarb¹

¹JOHNS HOPKINS SCHOOL OF NURSING, Baltimore, Maryland, United States, ²JOHN HOPKINS UNIV SCH OF MEDICINE, Baltimore, Maryland, United States

P2158

Neighborhood poverty, John Henryism, and incident cardiovascular disease events in the Jackson Heart Study

January Cornelius¹, LaShaunta M. Glover², Zhen Li³, Emily C. O'Brien⁴, Allana T. Forde⁵, Bradley G. Hammill⁶, Hayden B. Bosworth⁷, Sharrelle Barber⁸, Mario Sims⁹

¹Population Health Science, Duke University, Durham, North Carolina, United States, ²Duke University, Durham, North Carolina, United States, ³Duke University, Durham, North Carolina, United States, ⁴Duke University, Durham, North Carolina, United States, ⁵National Institutes of Health, Bethesda, Maryland, United States, ⁶Duke University School of Medicine, Chapel Hill, North Carolina, United States, ⁷Duke University, Durham, North Carolina, United States, ⁸Drexel University, Philadelphia, Pennsylvania, United States, ⁹University of California, Riverside, Corona, California, United States

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The Association Between Neighborhood Social Cohesion and Incident Hypertension Among Older Adults in the US Health and Retirement Study

Roma Dhingra, Kosuke Tamura, Allana T. Forde

Division of Intramural Research, National Institute on Minority Health and Health Disparities, National Institutes of Health, Bethesda, Maryland, United States

P2160

Exploring Racial and Ethnic Disparities in the Social Determinants of Health among Participants in a Hypertension Prevention Trial, the LINKED-BP Program

Janice Dugbartey¹, Sarah E. Slone¹², Yuling Chen², Bunmi V. Ogungbe³, Mayte Rodriguez¹, Kathryn Foti⁴, Bharat Poudel⁵, Ashley Christenson⁶, Zhixin Wang⁷, Seth S. Martin⁸, Chidinma A. Ibe¹, Lisa A. Cooper⁹, Cheryl R. Dennison Himmelfarb¹⁰, Yvonne Commodore-Mensah¹¹

¹Johns Hopkins University, Baltimore, Maryland, United States, ²Johns Hopkins University, Baltimore, Maryland, United States, ³Johns Hopkins University, Baltimore, Maryland, United States, ⁴University of Alabama at Birmingham, Birmingham, Alabama, United States, ⁵University of Alabama at Birmingham, Birmingham, Alabama, United States, ⁶University of Alabama at Birmingham, Birmingham, Alabama, United States, ⁷University of Alabama at Birmingham, Vestavia, Alabama, United States, ⁸Johns Hopkins School of Medicine, Baltimore, Maryland, United States, ⁹JOHN HOPKINS UNIV SCH OF MEDICINE, Baltimore, Maryland, United States, ¹⁰JOHNS HOPKINS UNIV, Baltimore, Maryland, United States, ¹¹JOHNS HOPKINS SCHOOL OF NURSING, Baltimore, Maryland, United States, ¹²University of South Carolina, Columbia, South Carolina, United States

P2161

Validation Of a Novel Method to Evaluate Local-scale Community-based Interventions That Improve Access to Fruits and Vegetables

Louisa Ewald¹, Claire Ugo-Ike², Kate LeGrand¹, Sally Honeycutt³, Jennifer L. Hall⁴, Emmanuela Gakidou¹, Ali Mokdad¹, Gregory A. Roth¹

¹Institute for Health Metrics and Evaluation, Seattle, Washington, United States, ²American Heart Association, Dallas, Texas, United States, ³American Heart Association, Dallas, Texas, United States, ⁴American Heart Association, Dallas, Texas, United States

P2162

Contributions of life-course socioeconomic position to later-life MRI measures of vascular brain injury: Results from SOL-INCA-MRI

Paola Filigrana¹, Jee-young Moon², Linda C. Gallo³, Hector Gonzalez¹², Richard Lipton⁴, Wassim Tarraf¹³, Jianwen Cai⁵, Martha L. Daviglius⁶, Robert Kaplan¹, Maria Marquine⁷, Krista Perreira⁸, Ariana Stickel¹⁴, Fernando Testai⁹, Charles DeCarli¹⁰, Carmen R. Isasi¹¹

¹Epidemiology and Population Health, Albert Einstein College of Medicine, Bronx, New York, United States, ²Albert Einstein College of Medicine, Bronx, New York, United States, ³San Diego State University, Chula Vista, California, United States, ⁴Albert Einstein College of Medicine, Bronx, New York, United States, ⁵UNC Chapel Hill, Chapel Hill, North Carolina, United States, ⁶UNIVERSITY ILLINOIS CHICAGO, Chicago, Illinois, United States, ⁷Duke University Medical Center, Durham, North Carolina, United States, ⁸University of North Carolina School, Chapel Hill, North Carolina, United States, ⁹UNIVERSITY OF ILLINOIS AT CHICAGO, Chicago, Illinois, United States, ¹⁰UCDMC, Sacramento, California, United States, ¹¹ALBERT EINSTEIN COLLEGE MEDICINE, Bronx, New York, United States, ¹²Neurosciences, University of California at San Diego, San Diego, California, United States, ¹³Institute of Gerontology, Wayne State University, Detroit, Michigan, United States, ¹⁴Psychology, San Diego State University, San Diego, California, United States

P2163

Healthcare Avoidance due to Anticipated Racial Discrimination among Racial and Ethnic Minority Adults with Hypertension

Allana T. Forde¹, Paula D. Strassle²

¹Division of Intramural Research, National Institute on Minority Health and Health Disparities, National Institutes of Health, Bethesda, Maryland, United States, ²Department of Epidemiology and Biostatistics, University of Maryland, College Park, Maryland, United States

P2165

Association of neighborhood environment characteristics and suboptimal cardiovascular health based on Life's Essential 8 among young adults in Puerto Rico

Cynthia Perez¹, Katherine L. Tucker², Catarina I. Kiefe³, Sharina PERSON⁴, Polaris Torres¹, Claudia Boneu¹, Miredys Sanchez¹, Jose Rodriguez¹, Milagros C. Rosal⁵

¹University of Puerto Rico, San Juan, Puerto Rico, ²UNIVERSITY OF MASSACHUSETTS LOWELL, Lowell, Massachusetts, United States, ³UNIV OF MASSACHUSETTS MEDICAL SCHOO, Sterling, Massachusetts, United States, ⁴UNIV OF MASSACHUSETTS MEDICAL SCH, Worcester, Massachusetts, United States, ⁵UMASS CHAN MEDICAL SCHOOL, Worcester, Massachusetts, United States

P2166

Neighborhood-level socioeconomic deprivation associates with monocyte phenotypes involved in atherogenesis: Results from the Multi-Ethnic Study of Atherosclerosis (MESA)

Jein Eleanor Seo¹, Lola Ortiz-Whittingham¹, Colby Ayers², Yvonne Baumer¹, Kosuke Tamura¹, Joseph Delaney⁶, Margaret F. Doyle³, Nels C. Olson³, Bruce M. Psaty⁶, Russell P. Tracy³, Ana V. Diez Roux⁴, Matthew J. Feinstein⁵, Tiffany Powell-Wiley¹

¹NATIONAL INSTITUTES OF HEALTH, Silver Spri, Maryland, United States, ²UT Southwestern Medical Center, Dallas, Texas, United States, ³University of Vermont, Colchester, Vermont, United States, ⁴DREXEL SCHOOL OF PUBLIC HEALTH, Philadelphia, Pennsylvania, United States, ⁵NORTHWESTERN UNIV - FEINBERG SCHOOL, Chicago, Illinois, United States, ⁶University of Washington, Seattle, Washington, United States

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Racial and Ethnic Disparities in Neighborhood Socioeconomic Status Associated with Cardiovascular Disease and Stroke

Jeremey N. Shropshire¹, Shawna Follis²

¹Morehouse School of Medicine, Atlanta, Georgia, United States, ²Shawna Follis, San Francisco, California, United States

PS02.20 Surveillance

P2168

Descriptive Relationships between Respondent Characteristics, Opioid-related Mortality, and Cardiometabolic Disease Mortality in the National Longitudinal Study of Adolescent to Adult Health (Add Health)

Kurtis Anthony¹, Robert Hummer², Laura R. Loehr³, Wayne Rosamond⁴, Beth Ann Griffin⁷, Elizabeth M. Lawrence⁸, Elyssa Trani⁵, Eric A. Whitsel⁶

¹UNC Chapel Hill, Chapel Hill, North Carolina, United States, ²UNC - Chapel Hill, Chapel Hill, North Carolina, United States, ³UNIV NORTH CAROLINA CHAPEL HILL, Chapel Hill, North Carolina, United States, ⁴UNC Chapel Hill, Chapel Hill, North Carolina, United States, ⁵University of North Carolina, Chapel Hill, North Carolina, United States, ⁶UNC CHAPEL HILL, Chapel Hill, North Carolina, United States, ⁷RAND Corporation, Santa Monica, California, United States, ⁸University of Nevada, Las Vegas, Las Vegas, Nevada, United States

P2169

Salt and Potassium Intake Measured by 24-Hours Urine Collection in the Adult Population: the Italian Health Examination Survey 2023-2024 - CUORE Project

Chiara Donfrancesco¹, Cinzia Lo Noce¹, BENEDETTA MARCOZZI¹, Anna Di Lonardo¹, Serena Vannucchi¹, teresa dipol¹, MARIA MORELLO⁴, stefano di carlo⁴, DANIELA GALEONE², Paolo Bellisario², Luigi Palmieri³

¹ISTITUTO SUPERIORE DI SANITA, Rome, Italy, ²Ministry of Health, Rome, Italy, ³ISTITUTO SUPERIORE DI SANITA, Rome, Italy, ⁴Tor Vergata University Hospital, ROMA, Roma, Italy

P2170

Mortality Rates Vary for Cardiovascular Disease Subtypes among Adults in Disaggregated Asian Groups—United States, 2018–2022

Nilay S. Shah

Northwestern University, Chicago, Illinois, United States

Saturday, March 8, 2025

PS03.01 Biomarkers

P3001

Associations of Biomarkers with Epicardial Adipose Tissue Volume and Density in Cardiovascular Risk Assessment: Insights from the PROMISE Trial

Perisa S. Ashar¹, Ibrahim Hadzic², Lydia C. Kwee³, Marcel C. Langenbach⁴, Pamela S. Douglas⁵, Svati H. Shah⁶, Borek Foldyna⁴

¹Biomedical Engineering; Computational Biology, Duke University, Durham, North Carolina, United States, ²Artificial Intelligence in Medicine Program, Brigham and Women's Hospital, Boston, Massachusetts, United States, ³DUKE MOLECULAR PHYSIOLOGY INSTITUTE, Durham, North Carolina, United States, ⁴Massachusetts General Hospital, Boston, Massachusetts, United States, ⁵DUKE UNIVERSITY DUMC, Durham, North Carolina, United States, ⁶DUKE UNIV MEDICAL CENTER, Hillsborough, North Carolina, United States

P3002

Hypoalbuminemia genetic variants are associated with higher cholesterol levels but not atherosclerotic heart disease

Alexander Berry¹, Dylan Cawley¹, Andrea Hattenberger¹, Samuel Gidding², Matthew Oetjens¹

¹Geisinger, Danville, Pennsylvania, United States, ²Geisinger, Bridgewater Corners, Vermont, United States

P3004

Plasma and Serum Water T₂ are Strong Predictors of Cardiometabolic Health: Implications for Point-Of-Care Screening

David P. Cistola¹, Alok Dwivedi²

¹T2YourHealth, LLC, El Paso, Texas, United States, ²Texas Tech University Health Scienc, El Paso, Texas, United States

P3005

Blood Biomarkers and the Risk of Coronary Disease in Atrial Fibrillation

Andres Cordova Sanchez¹, Katherine Wilkinson¹, Samuel Short⁵, Virginia J. Howard³, Suzanne E. Judd³, Parag Goyal², Elsayed Z. Soliman⁴, Emily B. Levitan³, Monika M. Safford², Mary Cushman¹

¹University of Vermont Larner College of Medicine, Burlington, Vermont, United States, ²Weill Cornell Medicine, New York, New York, United States, ³University of Alabama at Birmingham, Birmingham, Alabama, United States, ⁴Wake Forest School of Medicine, Winston-Salem, North Carolina, United States, ⁵UNC Health, Chapel Hill, North Carolina, United States

P3006

Glycemia and Lipids Profiles Levels, Awareness and Control in the Adult Population: the Italian Health Examination Survey 2023-2024 - CUORE Project

BENEDETTA MARCOZZI¹, Cinzia Lo Noce², Anna Di Lonardo¹, Serena Vannucchi¹, teresa dipol¹, MARIA MORELLO⁵, SERGIO BERNARDINI⁵, DANIELA GALEONE³, Paolo Bellisario³, Luigi Palmieri⁴, Chiara Donfrancesco¹

¹ISTITUTO SUPERIORE DI SANITA, Rome, Italy, ²INSTITUTE OF HEALTH, Rome, Italy, ³Ministry of Health, Rome, Italy, ⁴ISTITUTO SUPERIORE DI SANITA, Rome, Italy, ⁵Tor Vergata University Hospital, ROMA, Roma, Italy

P3007

Relationship between ET-1 Gene Polymorphism rs5370 and Cardiovascular Disease among Hispanics Using All of Us data

Yandy Garcia Martin¹, Yaritza Inostroza-Nieves², Ricardo Vazquez¹, Andrea Lopez³

¹San Juan Bautista School of Medicine, Glendale, Arizona, United States, ²San Juan Bautista School of Medicine, Rio Grande, Puerto Rico, United States, ³Emory University, Decatur, Georgia, United States

P3008

Plasma Proteomic Signatures Of Organ Aging Are Not Responsive To Exercise Training: HERITAGE Family Study

Matthew Herzig², Prasun K. Dev¹, Kiani Jacobs¹, Eric Leszczynski¹, Jacob Barber², Prashant Rao², Michael Mi², Matthew Valakos¹, SUJOY GHOSH³, Clary Clish⁴, Claude Bouchard⁵, Robert E. Gerszten², Jeremy Robbins², Mark Sarzynski¹

¹UNIVERSITY OF SOUTH CAROLINA, Columbia, South Carolina, United States, ²CardioVascular Institute, Beth Israel Deaconess Medical Center, Boston, Massachusetts, United States, ³Pennington Biomedical Research Center, Baton Rouge, Louisiana, United States, ⁴Broad Institute of MIT and Harvard, Cambridge, Massachusetts, United States, ⁵PENNINGTON BIOMEDICAL RESEARCH CTR, Baton Rouge, Louisiana, United States

P3009

Biomarkers and Risk of Cognitive Impairment in Atrial Fibrillation: The Reasons for Geographic and Racial Differences in Stroke (REGARDS) Cohort

Vinh Le¹, Samuel Short², Katherine Wilkinson¹, Suzanne E. Judd³, Hyacinth I. Hyacinth⁴, Nels C. Olson¹, Melissa Smith³, Mary Cushman¹

¹The Robert Larner, M.D. College of Medicine at The University of Vermont, Burlington, Vermont, United States, ²University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ³University of Alabama at Birmingham, Birmingham, Alabama, United States, ⁴University of Cincinnati, Cincinnati, Ohio, United States

P3010

Association of sedentary behavior with cardiovascular risk biomarkers in a population with overweight or obesity: the PREDIMED-Plus trial

Linzi Li¹, Dora Romaguera⁷, Angel M M. Alonso-Gomez³, Estefania A. Toledo², Miguel A. Martinez-Gonzalez⁴, Montserrat Fito⁵, Alvaro Alonso⁶

¹Emory University, Atlanta, Georgia, United States, ²University of Navarra, Pamplona Navarra, Spain, ³Osakidetza, Vitoria-Gasteiz, Spain, ⁴University of Navarra, Pamplona, Spain, ⁵Hospital del Mar Research Institute, Barcelona, Spain, ⁶Emory University, Atlanta, Georgia, United States, ⁷Health Research Institute of the Balearic Islands, Palma de Mallorca, Spain

P3011

Empirically derived biomarker patterns in the REasons for Geographic and Racial Differences in Stroke Study

Timothy B. Plante¹, Stephen P. Juraschek², Kathryn Foti³, Mary Cushman⁴, Suzanne E. Judd⁵, Virginia J. Howard⁶, George Howard⁷, Nels C. Olson⁸, Leann Long⁹, Paul Muntner³, Annie Green G. Howard¹⁰

¹University of Vermont, Colchester, Vermont, United States, ²BIDMC-Harvard Medical School, Boston, Massachusetts, United States, ³University of Alabama at Birmingham, Birmingham, Alabama, United States, ⁴UNIVERSITY VERMONT, Colchester, Vermont, United States, ⁵UAB, Birmingham, Alabama, United States, ⁶UNIVERSITY OF ALABAMA-BIRMINGHAM, Birmingham, Alabama, United States, ⁷SCHOOL PUBLIC HEALTH, Birmingham, Alabama, United States, ⁸University of Vermont, Colchester, Vermont, United States, ⁹Wake Forest School of Medicine, Winston Salem, North Carolina, United States, ¹⁰UNC, Chapel Hill, North Carolina, United States

P3012

Increased Circulating Concentrations of Soluble Cell Adhesion Molecules and Fibrin-D-Dimer in Adults with Periodontal Disease

Noah DeSouza³, Samuel Ruzzene¹, Auburn Berry¹, Jared Greiner¹, Vinicius Pacheco Garcia¹, Kyle J. Diehl²

¹Department of Integrative Physiology, University of Colorado Boulder, Boulder, Colorado, United States, ²Department of Graduate Periodontics, University of Colorado Anschutz Medical Campus, Aurora, Colorado, United States, ³School of Health and Exercise Sciences, University of British Columbia Okanagan, Kelowna, British Columbia, Canada

P3013

Left Ventricular Diastolic to Systolic Wall Stress Ratio and Mortality Following Transcatheter Aortic Valve Replacement

Audrey White¹, Ravinder R. Mallugari¹, Debra D. Dixon¹, Evan Brittain¹, Kelly Schlendorf¹, Daniel Clark², Holly Gonzales⁴, Anna Vatterott¹, Natalie A. Jackson³, Brian R. Lindman¹, Deepak K. Gupta¹

¹Vanderbilt University Medical Center, Nashville, Tennessee, United States, ²Stanford University, San Carlos, California, United States, ³Vanderbilt University Medical Center, Nashville, Tennessee, United States, ⁴Atrium Health, Charlotte, North Carolina, United States

PS03.02 Cardiometabolic Health and Disorders 2

P3014

Night shift work and markers of cardiovascular health in workers from Spain, Denmark and Sweden: Findings from the Exposome Project for Health and Occupational Research

Barbara Harding¹, Caisa Laurell², Anne Helene Garde⁴, Gemma Castano-Vinyals³, Kirsten Nabe-Nielsen⁴, Karin Broberg⁵, Maria Albin², manolis kogevas³

¹College of Population Health, University of New Mexico, Albuquerque, New Mexico, United States, ²Institute of Environmental Medicine, Karolinska Institutet, Stockholm, Sweden, ³Barcelona Institute for Global Health, Barcelona, Spain, ⁴Public Health, The National Research Centre for the Working Environment & University of Copenhagen, Copenhagen, Denmark, ⁵Laboratory Medicine, Lund University Division of Occupational and Environmental Medicine, Lund, Sweden

P3015

Maintenance of Ideal Cardiovascular Health Among Latinos Over a Decade in the Hispanic Community Health Study/Study of Latinos (HCHS/SOL) and National Health and Nutrition Examination Survey (NHANES)

Wenyan Ma¹, Ryung Kim¹, Carmen R. Isasi¹, Linda C. Gallo⁴, Krista Perreira², Gabriela Trifan³, Martha L. Daviglius³, Amber Pirzada³, Daniela Sotres-Alvarez², Christina Cordero⁵, Frank Penedo⁵, Robert Kaplan¹

¹Department of Epidemiology and Population Health, Albert Einstein College of Medicine, Bronx, New York, United States, ²University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States

States, ³University of Illinois at Chicago, Chicago, Illinois, United States, ⁴San Diego State University, Chula Vista, California, United States, ⁵University of Miami, Miami, Florida, United States

P3016

Blood Pressure Measures are Not Associated with Early Metabolic Imbalance: The U.S. National Health and Nutrition Examination Survey

Luis Mendiola², Alok Dwivedi³, David P. Cistola¹

¹Research & Innovation, T2YourHealth, LLC, El Paso, Texas, United States, ²Texas Tech, El Paso, Texas, United States, ³Texas Tech University Health Scienc, El Paso, Texas, United States

P3017

***Helicobacter pylori* Seroprevalence and its Association with Blood Pressure and Hemoglobin A1c in the National Longitudinal Study of Adolescent to Adult Health (Add Health)**

Carmen E. Mendoza¹, Allison Aiello², Kathleen Harris³, Y. Claire Yang³, Nora Franceschini¹, Wayne D. Rosamond¹

¹Epidemiology, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ²Epidemiology, Columbia University, New York, New York, United States, ³Sociology, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States

P3018

Spanish Language Preference is not associated with Prediabetes Risk among Hispanic Adolescents with Overweight or Obesity in an Integrated Healthcare System

Veronica Njuguna¹, Joan C. Lo², Jeanne Darbinian³, Nirmala Ramalingam⁶, Steven Nash⁵, Luis A. Rodriguez⁴

¹Internal Medicine, Kaiser Permanente Northern California, San Lorenzo, California, United States, ²Division of Research, Kaiser Permanente Northern California, Pleasanton, California, United States, ³Kaiser Permanente, Oakland, California, United States, ⁴Kaiser Permanente Division of Research, Pleasanton, California, United States, ⁵The Permanente Medical Group, Oakland, California, United States, ⁶Graduate Medical Education, Kaiser Permanente Northern California, Oakland, California, United States

P3019

Role of liraglutide and other newer diabetic drugs in the improvement of the apnea-hypopnea index and sleepiness scale amongst OSA patients with standard care - a meta-analysis

Tarun Parvataneni¹, Shiv Shah⁷, San Kim⁶, Nandan Shah³, Yasin Salim⁸, Anuj Shah⁹, Mamatha Vodapally¹¹, anam habib¹⁰, Aditi Kothari¹², Urvish K. Patel², Jujhar Sandhu⁵, Tahsin Mustaque⁴

¹Aiken Regional Medical Center, Aiken, South Carolina, United States, ²Icahn School of Medi at Mount Sinai, New York, New York, United States, ³Medicine, Narendra Modi Medical College, L.G. Hospital Campus, Ahmedabad, Gujarat, India, ⁴Hospital Medicine, St John's Episcopal Hospital, Far Rockaway, New York, United States, ⁵Internal Medicine, Ampla Health, Yuba City, California, United States, ⁶Internal Medicine, Cleveland Clinic Foundation, Cleveland, Ohio, United States, ⁷Internal Medicine, Auburn Hills, Michigan, United States, ⁸Medicine, All India Institute of Medical Sciences, Raipur, India, ⁹Medicine, Smt NHL Medical College, Ahmedabad, India, ¹⁰Internal Medicine, Macon & Joan Brock Virginia Health Sciences, Eastern Virginia Medical School, Virginia Beach, Virginia, United States, ¹¹Family Medicine, Adventist Health Family Medicine Residency, Hanford, California, United States, ¹²Internal Medicine, Texas Tech University Health Sciences Center El Paso, El Paso, Texas, United States

P3020

A prognostic molecular signature of hepatic steatosis is spatially heterogeneous and dynamic in human liver

Andrew Perry⁴, Niran Hadad¹, Emeli Chatterjee², Maria Jimenez Ramos³, Eric Farber-Eger⁴, Rashedeh Roshani⁴, Lindsey Stolze⁴, Michael J. Betti⁴, SHilin Zhao⁴, Shi Huang⁴, Liesbet Martens⁵, Timothy Kendall³, Tinne Thone⁵, Kaushik Amancherla⁶, Samuel Bailin⁶, Curtis L. Gabriel⁷, John Koethe⁸, John Jeffrey Carr⁹, James G. Terry¹⁰, Nataraja Sarma S. Vaitinadin¹¹, Jane E. Freedman¹², Kahraman Tanriverdi¹³, Eric Alsop¹⁶, kendall Van Keuren-Jensen¹, John Sauld¹⁷, Gautam Mahajan¹⁷, Sadiya S. Khan¹⁸, Laura A. Colangelo¹⁹, Matthew G. Nayor²⁰, Susan P. Fisher-hoch²¹, Joseph B McCormick²², Kari E. North²³, Jennifer Below¹¹, Quinn Wells²⁴, Dale Abel²⁵, Ravi Kalhan¹⁸, Charlotte Scott⁵, Martin Williams⁵, Eric Gamazon¹¹, Jonathan Fallowfield³, Nicholas Banovich¹, Saumya Das¹⁴, Ravi V. Shah¹⁵
¹Translational Genomics Research Institute, Phoenix, Arizona, United States, ²Massachusetts General Hospital, Boston, Massachusetts, United States, ³Institute for Regeneration and Repair, University of Edinburgh, Edinburgh, United Kingdom, ⁴Vanderbilt University Medical Center, Nashville, Tennessee, United States, ⁵Ghent University, Ghent, Belgium, ⁶Vanderbilt University Medical Center, Nashville, Tennessee, United States, ⁷Vanderbilt University, Nashville, Tennessee, United States, ⁸Vanderbilt University Medical Center, Nashville, Tennessee, United States, ⁹Vanderbilt, Nashville, Tennessee, United States, ¹⁰Vanderbilt Univ Medical Center, Nashville, Tennessee, United States, ¹¹Vanderbilt University Medical Center, Nashville, Tennessee, United States, ¹²Vanderbilt University, Nashville, Tennessee, United States, ¹³Vanderbilt University Medical Center, Nashville, Tennessee, United States, ¹⁴Mass General Hospital, Boston, Massachusetts, United States, ¹⁵Vanderbilt, Nashville, Tennessee, United States, ¹⁶TGen, Phoenix, Arizona, United States, ¹⁷Emulate Inc, Boston, Massachusetts, United States, ¹⁸Northwestern University, Oak Park, Illinois, United States, ¹⁹Northwestern University, Chicago, Illinois, United States, ²⁰Boston University Medical Center, Boston, Massachusetts, United States, ²¹UT HOUSTON SCHOOL OF PUBLIC HEALTH, Brownsville, Texas, United States, ²²The University of Texas Health, Brownsville, Texas, United States, ²³UNC CHAPEL HILL, Chapel Hill, North Carolina, United States, ²⁴VANDERBILT UNIVERSITY, Nashville, Tennessee, United States, ²⁵University of California - Los Angeles, Los Angeles, California, United States

P3021

Inflammatory Metabolomic Profiles are Associated with Increased Cardiovascular Disease Risk in Women

Kevin Sanchez¹, Jie Hu⁴, Oana Zeleznik¹, Raji Balasubramanian³, Dong Hoon Lee², Jun Li², Fred Tabung⁵, A Eliassen², Kathryn M. Rexrode¹

¹Medicine, Brigham and Women's Hospital, Boston, Massachusetts, United States, ²Harvard University, BOSTON, Massachusetts, United States, ³University of Massachusetts Amherst, Amherst, Massachusetts, United States, ⁴Massachusetts General Hospital, Boston, Massachusetts, United States, ⁵Internal Medicine, The Ohio State University, Columbus, Ohio, United States

P3022

Plasma Lipidome is Associated with 10-Year Risk of Incident Diabetes in the Coronary Artery Risk Development in Young Adults (CARDIA) Study

Jessica Sprinkles¹, Annie Green Howard¹, Autumn G. Hullings¹, Aditya Shetye¹, John T. Wilkins², Christy L. Avery¹, Kari E. North¹, Penny Gordon-Larsen¹, Katie A. Meyer¹

¹University of North Carolina, Chapel Hill, North Carolina, United States, ²Northwestern University, Chicago, Illinois, United States

P3024

Phenotypic vs. Genetic Mismatch of Body Mass Index and Its Risk Factors: Evidence from the China Kadoorie Biobank and the UK Biobank

Aolin Li¹, Shuo Gong¹, Canqing YU¹, pei pei³, Ling Yang⁴, Iona Millwood⁴, Robin Walters⁴, Yiping Chen⁴, Huaidong Du⁴, Xiaoming Yang⁴, Junshi Chen², Zhengming Chen⁴, Jun Lv¹, Liming Li¹, Dianjianyi Sun¹

¹Department of Epidemiology & Biostatistics, School of Public Health, Peking University, Beijing, China, ²China National Center for Food Safety Risk Assessment, Beijing, China, ³Peking University Center for Public Health and Epidemic Preparedness & Response, Beijing, China, ⁴Clinical Trial Service Unit and Epidemiological Studies Unit (CTSU), Nuffield Department of Population Health, University of Oxford, Oxford, United Kingdom

P3025

Evaluating the Correlation Between Urinary Microalbumin (ACR), Serum C-Reactive Protein (CRP), and Cardiovascular Risk Markers in Type 2 Diabetes Mellitus

Manvitha Thalamati

Ramaiah medical college hospital, Bangalore, India

P3026

Prevalence of Cardiac Arrhythmias by Cardiovascular-Kidney-Metabolic Syndrome Stage: The Atherosclerosis Risk in Communities Study

Amelia Wallace¹, Sui Zhang¹, Esther Kim², Elizabeth Selvin³, Chiadi E. Ndumele⁴

¹JH Bloomberg Sch. of Public Health, Baltimore, Maryland, United States, ²JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, United States, ³JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, United States, ⁴JOHNS HOPKINS HOSPITAL, Baltimore, Maryland, United States

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Changes in Sarcopenia Status and Risk of Incident Cardiovascular Disease

Shuang Bing¹, Zhanchao Chen², Di Wu¹, Yiyang Zhang¹, Shanjie Wang²

¹Department of Epidemiology and Biostatistics, School of Public Health, Jiamusi University, Jiamusi, China, ²Cardiology, Second Affiliated Hospital of Harbin Medical University, Harbin, China, Harbin, China

P3028

Dietary patterns, serum metabolites and risk of cardiovascular disease in the US Hispanic/Latino adults: the Hispanic Community Health Study/Study of Latinos

Hongbo Yang¹, Yi Wang², Kai Luo³, Yasmin Mossavar-Rahmani⁴, Christina Cordero⁶, Robert Ostfeld⁵, Claudia Martinez⁶, Luis E. Maldonado⁷, Amber Pirzada⁸, Martha L. Daviglius⁹, Bing Yu¹⁰, Frank Hu¹¹, Robert Kaplan³, Qibin Qi¹²

¹Cardiology, Zhongshan Hospital, Fudan University, Shanghai, China, ²Albert Einstein College of Medicine, New York, New York, United States, ³Albert Einstein College of Medicine, Bronx, New York, United States, ⁴Albert Einstein College of Medicine, Bronx, New York, United States, ⁵MONTEFIORE, New York, New York, United States, ⁶university of Miami, Miami Beach, Florida, United States, ⁷University of Southern California, Los Angeles, California, United States, ⁸University of Illinois Chicago, Chicago, Illinois, United States, ⁹UNIVERSITY ILLINOIS CHICAGO, Chicago, Illinois, United States, ¹⁰UNIV OF TX HEALTH SCI CTR HOUSTON, Houston, Texas, United States, ¹¹Harvard School of Public Health, Boston, Massachusetts, United States, ¹²ALBERT EINSTEIN COLLEGE OF MEDICINE, Bronx, New York, United States

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Phenotypic and Genetic Correlations of Imaging Traits in the Abdomen-Heart-Brain Axis: Insights into Multimorbidity of Cardiometabolic Diseases and Depression

Jingxuan Wang, Guangrui Yang, Nannan FENG, Victor W. Zhong

Shanghai Jiao Tong University School of Medicine, Shanghai, China

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Associations of Co-Existing Hypertension and Diabetes with Mortality Risk in US Adults: A Prospective Analysis of the 1999-2018 National Health and Nutrition Examination Surveys

Ye Yuan¹, Carmen R. Isasi², Tala Al-Rousan⁶, Arnab K. Ghosh³, Pricila Mullachery⁵, Priya Palta⁴, Nour Makarem¹

¹Department of Epidemiology, Mailman School of Public Health, Columbia University Irving Medical Center, New York, New York, United States, ²ALBERT EINSTEIN COLLEGE MEDICINE, Bronx, New York, United States, ³Department of Medicine, Weill Cornell Medical College, New York, New York, United States, ⁴UNC Chapel Hill, Chapel Hill, North Carolina, United States, ⁵Department of Health Services Administration and Policy, College of Public Health, Temple University, Philadelphia, Pennsylvania, United States, ⁶University of California San Diego, La Jolla, California, United States

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Low Intrinsic Capacity and Cardiometabolic Multimorbidity Are Jointly Associated with a Higher All-cause Mortality Risk Among Chinese Older Adults

Xiaoyu Zhou, Yuxuan Wang, Juntian Shen, Di Li, Xiong Ding, Huiyuan Zhou, Xian Zhang, Lijing L. Yan
Global Health Research Center, Duke Kunshan University, Suzhou, China

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Determining Decision Thresholds For Physicians And Parents For Instituting A Do-Not-Attempt-Resuscitation Order For Pediatric In-Hospital Cardiac Arrest Patients – A Cross-Sectional Study Of Parents And Physicians In The United States

Minaz Mawani¹, Ye Shen², Jessica Knight², Bryan McNally³, Mark Ebell²

¹University of Vermont, Winooski, Vermont, United States, ²University of Georgia, Athens, Georgia, United States, ³School of Medicine, Emory University, Atlanta, Georgia, United States

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Plasma branched-chain amino acid levels and cardiovascular disease risk factors: a longitudinal analysis of a lifestyle trial

Mahya Mehrihajmir

Exercise and Nutrition , George Washington university, Virginia, Virginia, United States

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Assessing the Influence of ApoE Gene Polymorphisms on the Risk of Developing Cardiovascular Disease in Type 2 Diabetes Mellitus patients: A Systematic Review

Gareema Naik, Kashish Parmar, Vibhu M. Amrutiya, Yamunesh Patel, Dhaval Patel

G.M.E.R.S. Medical College, Valsad, Valsad, Gujarat, India

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Predicting Risk of Obesity-Related Outcomes in People with Obesity or Overweight: the Role of Social Risk Factors

Bonny Rockettewagner¹, Kelsey Leonard¹, Steven Belle¹, Zichong Liu¹, Hong Kan², Nadia Ahmad², Lisa Neff², Kathleen M. McTigue³, Hannah Daugherty³

¹Epidemiology, UNIVERSITY OF PITTSBURGH, Pittsburgh, Pennsylvania, United States, ²Eli Lilly and Company, New Canaan, Connecticut, United States, ³University of Pittsburgh, Pittsburgh, Pennsylvania, United States

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Racial and Ethnic Disparities in Cardiovascular Outcomes and the Role of Physical Activity and Sleep as Mediators: 2011-2020 National Health and Nutrition Examination Survey

Christy Rodriguez¹, Samuel Gledhill², William Xiao², Bunmi V. Ogunbe²

¹Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States, ²Johns Hopkins University, Baltimore, Maryland, United States

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Height Shortening from Midlife to Late-life and Subsequent Risk of Cardiovascular Outcomes: the Atherosclerosis Risk in Communities (ARIC) Study

Ethan Thio¹, Xiao Hu², Yejin Mok², Patricia Chang³, Jennifer Schrack², B Gwen Windham⁵, Kunihiro Matsushita⁴

¹Johns Hopkins University School of Medicine, Baltimore, Maryland, United States, ²Johns Hopkins University, Baltimore, Maryland, United States, ³University of North Carolina, Chapel Hill, North Carolina, United States, ⁴Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States, ⁵UMMC, The MIND Center, Jackson, Mississippi, United States

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A New Biomarker of Aging Derived From Electrocardiogram Improves Risk Prediction of Incident Myocardial Infarction and Stroke.

Tom Wilsgaard¹, Wayne D. Rosamond², Henrik Schirmer³, Haakon Lindekleiv⁴, Zachi Attia⁵, Francisco Lopez-Jimenez⁶, David Leon⁷, Olena Iakunchykova³

¹UiT The Arctic University of Norway, Tromsø, Norway, ²University of North Carolina, Chapel Hill, North Carolina, United States, ³UNIVERSITY OF OSLO, Nordbyhagen, Norway, ⁴University Hospital of North Norway, Tromsø, Norway, ⁵Mayo Clinic College of Medicine, Rochester, Minnesota, United States, ⁶MAYO CLINIC COLL MEDICINE, Rochester, Minnesota, United States, ⁷London School of Hygiene and Tropical Medicine, London, United Kingdom

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Associations between Triglyceride-glucose-obesity Indicators with Cardiovascular Disease Across Combination of Body Mass Index and Central Obesity Categories: The China Health and Retirement Longitudinal Study

Ruolin Zhang¹, Yaojie Wang², Huiyuan Zhou¹, Juyuan Li¹, Junke Zhu¹, Xiong Ding³

¹Epidemiology, Harvard T.H. Chan School of Public Health, Boston, Massachusetts, United States, ²Northwestern University, Chicago, Illinois, United States, ³Duke Kunshan University, Kunshan, Jiangsu, China

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Association of Urine Metabolites with All-Cause and Cause-Specific Mortality: The Atherosclerosis Risk in Communities (ARIC) Study

Peidi Zhou⁴, Yueh-Ning Yang⁴, Pascal Schlosser¹, Ron C. Hoogeveen², Christie M. Ballantyne³, Bing Yu⁴

¹Johns Hopkins University, Baltimore, Maryland, United States, ²BAYLOR COLLEGE MEDICINE, Houston, Texas, United States, ³BAYLOR COLLEGE MEDICINE, Houston, Texas, United States, ⁴Department of Epidemiology and Human Genetics Center, UNIV OF TX HEALTH SCI CTR HOUSTON, Houston, Texas, United States

PS03.04 Diabetes

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Trends and Disparities in Self-Reported Health Among US Adults with Diabetes: NHANES 2001-2018

Ibrahim D. Ali¹, Michael Fang¹, Elizabeth Selvin², Jung-Im Shin³

¹Johns Hopkins University, Baltimore, Maryland, United States, ²JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, United States, ³Johns Hopkins University, Baltimore, Maryland, United States

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Circulating Omega-3 Polyunsaturated Fatty Acids and Early Type 2 Diabetes Risk Phenotypes: Longitudinal Analyses in the PROspective Metabolism and ISlet cell Evaluation (PROMISE) Cohort

Ji-Eun Chon¹, Nagam Anna Yehia², Ravi Retnakaran³, Stewart Harris⁴, Adam Metherel¹, Vasanti Malik¹, Richard Bazinet¹, Anthony Hanley¹

¹Nutritional Sciences, University of Toronto, Toronto, Ontario, Canada, ²Nutritional Sciences, University of Toronto, Maple, Ontario, Canada, ³Mount Sinai Hospital, Lunenfeld-Tanenbaum Research Institute, Toronto, Ontario, Canada, ⁴Family Medicine, Western University, London, Ontario, Canada

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Co-occurring immigrant-related sanctuary policies in U.S. and receipt of antidiabetic prescriptions
Danielle Crookes¹, Salome Goglichidze¹, Tarik Benmarhnia⁴, Jennifer Lucas², Miguel Marino², John Heintzman³

¹Northeastern University, Boston, Massachusetts, United States, ²Oregon Health & Science University, Portland, Oregon, United States, ³OHSU, Portland, Oregon, United States, ⁴UC San Diego, La Jolla, California, United States

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Symptoms of Hypoglycemia in Older Adults With and Without Diabetes

Natalie Daya Malek¹, Michael Fang², Dan Wang¹, B Gwen Windham³, Arielle Valint⁴, Justin B. Echouffo⁵, Elizabeth Selvin⁶

¹Johns Hopkins University, Cockeysville, Maryland, United States, ²Johns Hopkins University, Baltimore, Maryland, United States, ³UMMC, The MIND Center, Jackson, Mississippi, United States, ⁴UNC- Chapel Hill, Chapel Hill, North Carolina, United States, ⁵Johns Hopkins Hospital, Baltimore, Maryland, United States, ⁶JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, United States

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Association of Epigenetic Age Acceleration with Diabetes and Glucose Metabolism Markers Among Hispanic/Latino Adults in The Hispanic Community Health Study/Study of Latinos (HCHS/SOL).

Jorge Gonzalez-Mejia¹, Sheroi Johnson¹, Robert Kaplan², Jainwen Cai⁴, Carmen R. Isasi², krista perreira³, Christina Cordero⁶, Linda C. Gallo⁵, Humberto Parada⁷, Andrea Baccarelli⁸, Christian Dye⁹, Karen Conneely¹⁰, Shakira F. Suglia¹

¹Department of Epidemiology, Rollins School of Public Health, Emory University, Atlanta, Georgia, United States, ²Department of Epidemiology and Population Health, Albert Einstein College of Medicine, Bronx, New York, United States, ³Department of Social Medicine, The University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ⁴Department of Biostatistics, The University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ⁵Department of Psychology, San Diego State University, San Diego, California, United States, ⁶Department of Psychology, University of Miami, Gables, Florida, United States, ⁷Division of Epidemiology and Biostatistics, San Diego State University, San Diego, California, United States, ⁸Department of Environmental Health, Harvard T.H. Chan School of Public Health, Boston, Massachusetts, United States, ⁹Department of Environmental Health Sciences, Mailman School of Public Health, Columbia University, New York, New York, United States, ¹⁰Department of Human Genetics, School of Medicine, Emory University, Atlanta, Georgia, United States

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Consumption of Ultra-processed Food and Risk of Major Complications in Adults with Type 2 Diabetes: The Atherosclerosis Risk in Communities Study

Zijing Guo¹, Shutong Du², Mary R. Rooney³, Valerie K. Sullivan⁴, Morgan Grams⁵, Casey M. Rebholz⁶, Elizabeth Selvin⁷, Michael Fang⁸

¹Johns Hopkins University, Baltimore, Maryland, United States, ²Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States, ³Johns Hopkins University, Baltimore, Maryland, United States, ⁴Johns Hopkins University, Baltimore, Maryland, United States, ⁵NYU Grossman School of Medicine, New York City, New York, United States, ⁶JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, United States, ⁷JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, United States, ⁸Johns Hopkins University, Baltimore, Maryland, United States

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Relationships of Body Roundness Index and Triglyceride–glucose Index with 5-year All-cause Mortality in Patients with Diabetes and Comorbid Hypertension: Evidence from Two Prospective Cohort Studies

Yilu Liu¹, Hongzhao You¹, Jiansong Yuan¹, Shijie You¹, Yuntao Wu², Shouling Wu², Weixian Yang¹

¹Fuwai Hospital and National Centre for Cardiovascular Diseases, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China, Beijing, China, ²Department of Cardiology, Kailuan Hospital, North China University of Science and Technology, Tangshan, China, Tangshan, Please Select, China

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Metabolic Measures and Incident Cardiovascular Disease and Mortality: A Pooled Analysis of Multi-ethnic NHLBI Cohorts

Ayodipupo Oguntade¹, Jithin Sam S. Varghese², Rodrigo M. Carrillo-Larco³, Mohammed K. Ali³, K M. Narayan⁴

¹Emory Global Diabetes Research Center, Woodruff Health Sciences Center and Emory University, Atlanta, Georgia, United States, ²Emory Global Diabetes Research Center, Woodruff Health Sciences Center and Emory University, Atlanta, Georgia, United States, ³Emory Global Diabetes Research Center, Woodruff Health Sciences Center and Emory University, Atlanta, Georgia, United States, ⁴Emory Global Diabetes Research Center, Woodruff Health Sciences Center and Emory University, Atlanta, Georgia, United States

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Diabetes Incidence Before and After the COVID-19 Pandemic Shelter-in-Place Mandate in Adults with Prediabetes

Luis A. Rodriguez¹, Maher Yassin¹, Obidiugwu Duru², Romain Neugebauer¹, Brandon Towns⁶, Tainayah Thomas³, Wendy Dyer¹, Rahel Demissie¹, Nickolas Nguyen¹, Holly Finertie¹, Deanne Wiley¹, Susan D. Brown⁴, Yelba Castellon-Lopez⁵, Julie Schmittiel¹

¹Kaiser Permanente Division of Resea, Pleasanton, California, United States, ²UCLA David Geffen School of Medicine, Los Angeles, California, United States, ³Stanford University, Stanford, California, United States, ⁴University of California, Davis, Sacramento, California, United States, ⁵Cedars-Sinai Medical Center, Los Angeles, California, United States, ⁶Kaiser Permanente Bernard J. Tyson School of Medicine, Pasadena, California, United States

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Longitudinal trends in glucose and hearing loss in midlife: The Coronary Artery Risk Development in Young Adults (CARDIA) Study

Pamela Schreiner¹, Meredith E. Adams¹, Lisa Chow², Donald M. Lloyd-Jones³

¹UNIV MINNESOTA, Minneapolis, Minnesota, United States, ²University of Minnesota, Minneapolis, Minnesota, United States, ³Northwestern University, Chicago, Illinois, United States

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Multi-Omic Responses to Low-Calorie Diet Intervention for Remission of Type 2 Diabetes and Individual Variability Short title: Multi-Omics, Low-Calorie Diet, and Diabetes Remission

Shuxiao Shi, Sujing Wang, Wu DeShan, Kexin Li, Guangrui Yang, Lan Xu, Nannan FENG, Xihao Du, Victor W. Zhong

Shanghai Jiao Tong University School of Medicine, Shanghai, China

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Disparities in the Association Between Diabetes Mellitus and All-Cause Mortality Among Asian American Subgroups: Findings From the National Health Interview Survey (NHIS) (1997–2018)

Benjamin Szeto¹, Hin Lai Ivan Lam³, Sahithi Gangaram², Muskan Kaur¹, Sadaf Sediqi¹, Lester Andrew Uy¹, Armaan Jamal⁴, Nitya Rajeshuni¹, Robert J. Huang¹, Gloria Kim⁵, Malathi Srinivasan¹, Latha Palaniappan⁶, Adrian M. Bacong¹, Unjali Gujral⁷

¹Stanford University, Mountain View, California, United States, ²Quantitative Theory and Methods, Emory University, Frisco, Texas, United States, ³University of Hong Kong, Hong Kong, Hong Kong, ⁴Stanford University, Baltimore, Maryland, United States, ⁵Stanford University, Stanford, California, United States, ⁶STANFORD UNIVERSITY, Stanford, California, United States, ⁷Emory University Rollins School of Public Health, Atlanta, Georgia, United States

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Psychosocial and behavioral Risk Patterns and Risk of Cardiovascular Complications in People with Type 2 Diabetes

Xiu Wu¹, Yilin Yoshida¹, Danting Li², Yuanhao Zu²

¹ School of Medicine, Tulane University, Austin, Texas, United States, ²School of Public Health and Tropical Medicine, Tulane University, New Orleans, Louisiana, United States

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Longitudinal Associations of Dairy Derived Serum Fatty Acids with Early Type 2 Diabetes Mellitus Risk Phenotypes: Findings from the Prospective Metabolism and Islet cell Evaluation (PROMISE) Cohort

Nagam Anna Yehia¹, Ji-Eun Chon⁴, Richard Bazinet¹, Ravi Retnakaran², Stewart B. Harris³, Anthony Hanley¹

¹Nutritional Sciences, University of Toronto, Maple, Ontario, Canada, ²Mount Sinai Hospital, Toronto, Ontario, Canada, ³Schulich School of Medicine and Dentistry, Toronto, Ontario, Canada, ⁴Nutritional Sciences, University of Toronto, Toronto, Ontario, Canada

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A Metabolomic Study of Cardiac Dysfunction in Hyperglycemia

Yilin Yoshida¹, Ngoc Quynh H. Nguyen², Eun Hye Moon³, Rebholz Casey⁷, Hicham Skali⁴, Victoria Arthur¹³, Justin B. Echouffo⁵, Christie M. Ballantyne⁶, Elizabeth Selvin⁷, Qibin Qi⁸, Susan Cheng⁹, robert kaplan⁸, Carlos J. Rodriguez¹⁰, Amil M. Shah¹¹, Bing Yu¹²

¹Tulane University, New Orleans, Louisiana, United States, ²UTHealth School of Public Health, Houston, Texas, United States, ³UTHealth at Houston, Houston, Texas, United States, ⁴Brigham and Womens Hospital, Boston, Massachusetts, United States, ⁵Johns Hopkins Hospital, Baltimore, Maryland, United States, ⁶BAYLOR COLLEGE MEDICINE, Houston, Texas, United States, ⁷JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, United States, ⁸ALBERT EINSTEIN COLLEGE OF MEDICINE, Bronx, New York, United States, ⁹Cedars-Sinai Medical Center, Los Angeles, California, United States, ¹⁰Albert Einstein School of Medicine, Bronx, New York, United States, ¹¹UT Southwestern Medical Center, Dallas, Texas, United States, ¹²UNIV OF TX HEALTH SCI CTR HOUSTON, Houston, Texas, United States, ¹³Mass General Brigham, Boston, Massachusetts, United States

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Interactions Between Coffee Consumption and Genetic Pathways Uncover Biological Mechanisms Related to Type 2 Diabetes Risk Reduction

Magdalena Sevilla-Gonzalez¹, Zhendong Mei², Xingyan Wang³, Sarah Hsu¹, Huan Yun⁵, Jie Hu¹, Miriam S. Udler¹, JoAnn E. Manson⁴, Jun Li¹

¹Massachusetts General Hospital, Cambridge, Massachusetts, United States, ²Brigham and Women's Hospital, Boston, Massachusetts, United States, ³Harvard T.H. Chan School of Public, Boston, Massachusetts, United States, ⁴Brigham and Women's Hospital, Boston, Massachusetts, United States, ⁵Harvard University, Boston, Massachusetts, United States

PS03.05 Health Equity and Social Justice 2

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Social determinants of health correlates and atherosclerotic cardiovascular disease risk among older adults in Baltimore: The engAGE with Heart Study

Thomas Hinneh¹, Faith E. Metlock¹, Oluwabunmi Ogungbe¹, Ebenezer Aryee¹, Janice Dugbartey¹, Melissa Mitchell⁴, Patricia Akyeampong¹, Katie Shapcott⁴, Parm Thind⁴, Stephanie Adams³, Terris King⁵, Yvonne Commodore-Mensah²

¹Johns Hopkins University, Baltimore, Maryland, United States, ²JOHNS HOPKINS SCHOOL OF NURSING, Baltimore, Maryland, United States, ³High Impact of Responsible Innovators US, Baltimore, Maryland, United States, ⁴Global Coalition on Aging, Baltimore, Maryland, United States, ⁵King Enterprise, Baltimore, Maryland, United States

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Exploring Genetic Ancestry, Socioeconomic and Acculturation Factors in Hispanic/Latino Hypertrophic Cardiomyopathy Genotype Carriers: Insights from the Hispanic Community Health Study / Study of Latinos (HCHS-SOL)

Reniell Iniguez¹, Jorge Silva Enciso², Jee-young Moon³, Yawen Yuan¹⁴, Tamar Sofer⁴, Priscilla Duran Luciano⁵, Robert Kaplan³, Gregory A. Talavera⁶, Martha L. Daviglius⁷, Barry E. Hurwitz⁸, Sanjiv J. Shah⁹, Bonnie Shook-Sa¹⁵, Mayank M. Kansal¹⁰, Mario J. Garcia¹¹, Scott D. Solomon¹², Susan Cheng¹³, Carlos J. Rodriguez¹⁴

¹Northwestern, Chicago, Illinois, United States, ²UCSD, La Jolla, California, United States, ³Albert Einstein College of Medicine, Bronx, New York, United States, ⁴Beth Israel Deaconess Medical Center, Boston, Massachusetts, United States, ⁵Albert Einstein College of Medicine, Bronx, New York, United States, ⁶SAN DIEGO STATE UNIVERSITY, Chula Vista, California, United States, ⁷UNIVERSITY ILLINOIS CHICAGO, Chicago, Illinois, United States, ⁸UNIVERSITY OF MIAMI, Miami, Florida, United States, ⁹NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ¹⁰University of Illinois at Chicago, Chicago, Illinois, United States, ¹¹MONTEFIORE MED CTR, Bronx, New York, United States, ¹²BRIGHAM AND WOMENS HOSPITAL, Boston, Massachusetts, United States, ¹³Cedars-Sinai Medical Center, Los Angeles, California, United States, ¹⁴Albert Einstein School of Medicine, Bronx, New York, United States, ¹⁵Biostatistics, University of North Carolina, Chapel Hill, Chapel Hill, North Carolina, United States

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A Measure of Residential Segregation and Thrombo-inflammation in Black and White Americans

Erin Manogaran¹, Andrew Sparks¹, Ryan T. Packer¹, Paige Brochu¹, Suzanne E. Judd³, Virginia J. Howard³, Timothy Plante¹, Leann Long⁴, Katherine L. Cheung¹, Mary Cushman¹, Debora Kamin Mukaz²

¹University of Vermont, Burlington, Vermont, United States, ²University of Vermont, Colchester, Vermont, United States, ³UNIVERSITY OF ALABAMA-BIRMINGHAM, Birmingham, Alabama, United States, ⁴Wake Forest School of Medicine, Winston Salem, North Carolina, United States

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Uncovering Neighborhood-Level Inequities in Access to Transthoracic Echocardiograms

Betsy Medina-Inojosa¹, Jose R. Medina-Inojosa¹, Nazanin Rajai², LaPrincess C. Brewer³, Zachi Attia¹, Paul Friedman⁴, Amir Lerman¹, Francisco Lopez-Jimenez⁵

¹Mayo Clinic, Rochester, Minnesota, United States, ²Mayo Clinic, Rochester, Minnesota, United States, ³MAYO CLINIC, Rochester, Minnesota, United States, ⁴MAYO CLINIC, Rochester, Minnesota, United States, ⁵MAYO CLINIC COLL MEDICINE, Rochester, Minnesota, United States

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Active Screening in Black, Hispanic/LatinX, Asian/Pacific Islander, and Native American Individuals Reduces Racial Disparities in Abdominal Aortic Aneurysm Diagnosis

Grace Miner¹, Usha Govindarajulu², Christopher Smolock¹, Peter Faries¹, Michael Marin¹

¹Surgery, Icahn School of Medicine Mount Sinai, New York, New York, United States, ²Population Health Science and Policy, Icahn School of Medicine at Mount Sinai, New York, New York, United States

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Community Partner Engagement Preferences and Needs Across the RESTORE Health Equity Research Network

Ali Aahil Noorali¹, Katherine Dietz¹, Deven Brown¹, Christian H. Bunce¹, Kathryn Foti², Medha Dubal², Bharat Poudel², Ashley Christenson², Latonya Riddle-Jones³, JOSEPH RAVENELL⁴, Yvonne Commodore-Mensah⁵, ijeoma N. opara³, Ruth-Alma N. Turkson-Ocran⁶, Andrea Cherrington⁷, Lisa A. Cooper¹

¹Center for Health Equity, Department of Medicine, Johns Hopkins University School of Medicine, Baltimore, Maryland, United States, ²Epidemiology, University of Alabama at Birmingham, Birmingham, Alabama, United States, ³Internal Medicine, Wayne State University School of Medicine, Detroit, Michigan, United States, ⁴Medicine, NYU School of Medicine, New York, New York, United States, ⁵Johns Hopkins School of Nursing, Baltimore, Maryland, United States, ⁶Medicine, Beth Israel Deaconess Medical Center, Boston, Massachusetts, United States, ⁷Medicine, University of Alabama at Birmingham, Birmingham, Alabama, United States

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Socioeconomic adversity is associated with type 2 diabetes in a Mexican American border population

Hannah Pleasants¹, Peter Yang¹, Absalon D. Gutierrez⁵, LaShaunta M. Glover⁶, Lindsay E. Fernandez-Rhodes⁷, Susan P. Fisher-hoch⁸, Joseph B McCormick⁹, Jennifer Below¹⁰, Heather Highland², Kari E. North³, Miryoung Lee⁴

¹Epidemiology, University of North Carolina at Chapel Hill, Burlington, North Carolina, United States, ²University of North Carolina, Chapel Hill, North Carolina, United States, ³UNC CHAPEL HILL, Chapel Hill, North Carolina, United States, ⁴UTHealth, School of Public Health, Brownsville, Texas, United States, ⁵UT Health, Houston, Texas, United States, ⁶Duke University, Durham, North Carolina, United States, ⁷Penn State University, Chapel Hill, North Carolina, United States, ⁸UT HOUSTON SCHOOL OF PUBLIC HEALTH, Brownsville, Texas, United States, ⁹The University of Texas Health, Brownsville, Texas, United States, ¹⁰VANDERBILT UNIVERSITY MEDICAL CENTE, Nashville, Tennessee, United States

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Unveiling Sex-Specific Disparities in Cardiovascular Risk Factors Among Asian American Ethnic Subgroups

Asma Rayani¹, Arum Lim², Chitchanok Benjasirian², Yvonne Commodore-Mensah¹, Binu Koirala²

¹Johns Hopkins School of Nursing, Baltimore, Maryland, United States, ²Johns Hopkins School of Nursing, Baltimore, Maryland, United States

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Barriers and Recommendations to Improve Engagement in Workplace Health Programs for Low-Wage Hospital Workers

Christina A. Rowley¹, Eduardo Hernandez Mozo⁴, Rebeca Jimenez¹, Anali Cruz¹, Adelaide Fortmann⁵, Debra Lerner², David Adler², Anne N. Thorndike³, Jessica McCurley¹

¹Psychology, San Diego State University, San Diego, California, United States, ²Tufts Medical Center, Boston, Massachusetts, United States, ³MASSACHUSETTS GENERAL HOSPITAL, Boston, Massachusetts, United States, ⁴Joint Doctoral Program in Clinical Psychology, San Diego State University/University of California, San Diego, San Diego, California, United States, ⁵San Diego, California, United States

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State Adoption of Paid Sick Leave and Cardiovascular Disease Mortality Among Adults Aged 15-64 in the United States, 2008 to 2019

Samuel Swift¹, Lexi O'Donnell¹, Brady Horn¹, Katrina Kezios², Tali Elfassy³, Julie Reagan¹, Adina Zeki Al Hazzouri², Tracie C. Collins¹

¹College of Population Health, University of New Mexico, Albuquerque, New Mexico, United States, ²Epidemiology, Columbia Mailman School of Public Health, New York, New York, United States, ³University of Miami, Miami, Florida, United States

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Impact of the Delta index, a Measure of Residential Segregation, on Hypertension Risk Among Black and White Women and Men

Evelyn Thomas¹, George Howard³, Andrew Sparks², Suzanne E. Judd³, Paige Brochu², Timothy B. Plante⁴, Virginia J. Howard⁵, Loni P. Tabb⁶, Lorraine Dean⁷

¹Larner College of Medicine, Burlington, Vermont, United States, ²University of Vermont, Burlington, Vermont, United States, ³UAB, Birmingham, Alabama, United States, ⁴University of Vermont, Colchester, Vermont, United States, ⁵UNIVERSITY OF ALABAMA-BIRMINGHAM, Birmingham, Alabama, United States, ⁶Drexel University, Philadelphia, Pennsylvania, United States, ⁷Johns Hopkins University, Baltimore, Maryland, United States

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Effect of cocoa extract supplementation on incident hypertension in the COSMOS trial

Rikuta Hamaya, Sidong Li, Jessica Lau, Pamela M. Rist, JoAnn E. Manson, Howard D. Sesso
Brigham and Women's Hospital, Boston, Massachusetts, United States

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Baseline Characteristics of Participants Enrolled in the EPIPHANY (Equity in the Prevention and Progression of Hypertension by Addressing Barriers to Nutrition and Physical Activity) Trial

Sh'Nese Holmes¹, Lanisha Hall¹, Andrea Cherrington², Shakia T. Hardy³

¹University of Alabama at Birmingham, Pinson, Alabama, United States, ²University of Alabama at Birmingham, Birmingham, Alabama, United States, ³Univ of North Carolina Chapel Hill, Mebane, North Carolina, United States

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Trends in blood pressure among Veterans who initiated antihypertensive medication from 2014 to 2020

Megha Kalsy¹, Catherine G. Derington¹⁰, Byron C. Jaeger², Jordana Cohen³, Paul Muntner⁴, Daichi Shimbo⁵, William C. Cushman⁶, Dan Berlowitz⁷, Adam P. Bress⁸, April F. Mohanty⁹

¹U.S. Department of Veterans Affairs, North Olmsted, Ohio, United States, ²Wake Forest School of Medicine, Winston Salem, North Carolina, United States, ³University of Pennsylvania, Philadelphia, Pennsylvania, United States, ⁴University of Alabama at Birmingham, Birmingham, Alabama, United States, ⁵COLUMBIA UNIVERSITY, New York, New York, United States, ⁶University of Tennessee Health Scie, Memphis, Tennessee, United States, ⁷University of Massachusetts Lowell, Lowell, Massachusetts, United States, ⁸UNIVERSITY OF UTAH, Salt Lake City, Utah, United States, ⁹VA SLC HEALTHCARE SYSTEMS, Seattle, Utah, United States, ¹⁰University of Colorado Anschutz Medical Campus, Aurora, Colorado, United States

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Midlife Depressive Symptoms and Hypertension Status Modify The Association Between Long-Term Systolic Blood Pressure Variability From Childhood and Midlife Cognitive Function: The Bogalusa Heart Study

Soo Jung Kang¹, Jeanette Gustat², Wan Tang², Phillip Hwang⁶, Ileana De Anda-Duran³, Camilo Fernandez Alonso⁴, Lydia A. Bazzano⁵

¹Tulane University, New Orleans, Louisiana, United States, ²TULANE UNIVERSITY SPHTM, New Orleans, Louisiana, United States, ³Tulane University, New Orleans, Louisiana, United States, ⁴Tulane University Health Sciences Center, New Orleans, Louisiana, United States, ⁵TULANE UNIVERSITY, New Orleans, Louisiana, United States, ⁶Boston University, Boston, Massachusetts, United States

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Racial/Ethnic Disparities in the Hypertension Control Cascade Among U.S. Young Adults

Ciaran Kohli-Lynch¹, Norrina B. Allen²

¹Northwestern University, Chicago, Illinois, United States, ²NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States

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Metabolomic Insights into Meat Consumption and Blood Pressure: The INTERLIPID Study

ZANNATUN NYMA¹, Aya Kadota¹, Yukiko Okami¹, Naoko Miyagawa², Tserenlkhambajav¹, NAZAR MOHD ZABADI MOHD AZAHAR¹, Phap Tran Ngoc Hoang¹, Mohammad Moniruzzaman¹, Nagako Okuda³, Katsushi Yoshita⁴, Masaru Sakurai⁵, Kamal Masaki⁶, akira okayama⁷, Kiyomi Sakata⁸, Shigeyuki Saitoh⁹, Nakagawa Hideaki⁵, Joram Matthias Posma¹⁰, Queenie M. Chan¹⁰, Linda Van Horn¹¹, Elaine Holmes¹⁰, Paul Elliott¹⁰, Katsuyuki Miura¹

¹SHIGA UNIVERSITY OF MEDICAL SCIENCE, Shiga, Japan, ²KEIO UNIVERSITY SCHOOL OF MEDICINE, Tokyo, Japan, ³Kyoto Prefectural University, Kyoto, Japan, ⁴Osaka Metropolitan University, Sumiyoshi-ku, Japan, ⁵Kanazawa Medical University, Kahoku, Japan, ⁶University of Hawaii, Honolulu, Hawaii, United States, ⁷RISP, Chuo-ku, Japan, ⁸Iwate Medical University, Morioka-shi, Japan, ⁹SAPPORO MEDICAL UNIVERSITY, Sapporo, Japan, ¹⁰Imperial College London, London, United Kingdom, ¹¹NORTHWESTERN UNIV MEDICAL SCH, Chicago, Illinois, United States

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Diet quality and risk of hypertension in women cancer survivors

Yong-Moon M. Park¹, Nithya Neelakantan¹, Susan Steck⁴, Hazel Nichols³, Katie OBrien², Michael Fradley⁵, Mario Schootman¹, Benjamin Amick¹, Dale Sandler²

¹Department of Epidemiology, University of Arkansas for Medical Sciences, Little Rock, Arkansas, United States, ²Epidemiology Branch, National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina, United States, ³University of North Carolina, Chapel Hill, North Carolina, United States, ⁴University of South Carolina, Columbia, South Carolina, United States, ⁵University of Pennsylvania, Bryn Mawr, Pennsylvania, United States

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Incident hypertension by biomarker patterns: REasons for Geographic and Racial Differences in Stroke (REGARDS) study

Timothy B. Plante¹, Annie Green G. Howard², Stephen P. Juraschek³, Kathryn Foti⁴, Mary Cushman⁵, Virginia J. Howard⁶, George Howard⁷, Nels C. Olson⁸, Leann Long⁹, Paul Muntner⁶, Suzanne E. Judd¹⁰

¹University of Vermont, Colchester, Vermont, United States, ²UNC, Chapel Hill, North Carolina, United States, ³BIDMC-Harvard Medical School, Boston, Massachusetts, United States, ⁴University of Alabama at Birmingham, Birmingham, Alabama, United States, ⁵UNIVERSITY VERMONT, Colchester, Vermont, United States, ⁶UNIVERSITY OF ALABAMA-BIRMINGHAM, Birmingham, Alabama, United States, ⁷SCHOOL PUBLIC HEALTH, Birmingham, Alabama, United States, ⁸University of Vermont, Colchester, Vermont, United States, ⁹Wake Forest School of Medicine, Winston Salem, North Carolina, United States, ¹⁰UAB, Birmingham, Alabama, United States

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Pro-Enkephalin A and Risk of Incident Hypertension: The REasons for Geographic and Racial Differences in Stroke (REGARDS) Study

Rhea Puthumana¹, Jake Ayisi¹, Leann Long², Samuel Short³, Suzanne E. Judd⁴, George Howard⁵, Virginia J. Howard⁶, Janin Schulte⁷, Timothy B. Plante⁸

¹College of Medicine, University of Vermont Robert Larner College of Medicine, Burlington, Vermont, United States, ²Wake Forest School of Medicine, Winston Salem, North Carolina, United States, ³UNC Health, Chapel Hill, North Carolina, United States, ⁴UAB, Birmingham, Alabama, United States, ⁵SCHOOL PUBLIC HEALTH, Birmingham, Alabama, United States, ⁶UNIVERSITY OF ALABAMA-BIRMINGHAM, Birmingham, Alabama, United States, ⁷SphingoTec, Hennigsdorf, Germany, ⁸University of Vermont, Colchester, Vermont, United States

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Long-Term Sustainability of a Hypertension Control Initiative

Alison Smith², Ashley Wagner¹, Andrew L. Mills³, Gary Harmon¹, Eduardo J. Sanchez¹

¹American Heart Association, Madison, Wisconsin, United States, ²AHA AMA, Highland Park, Illinois, United States, ³American Heart Association, Dallas, Texas, United States

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Proton Pump Inhibitor Use and Incident Hypertension in Postmenopausal Women: Results from the Women's Health Initiative.

Ahmed Soliman¹, Jean Wactawski-Wende¹, Kathleen Hovey¹, Amy Millen¹, Charles Eaton³, Shelly Gray⁴, Michael J. LaMonte²

¹University at Buffalo - SUNY, Amherst, New York, United States, ²University at Buffalo - SUNY, Buffalo, New York, United States, ³Brown University, Providence, Rhode Island, United States, ⁴University of Washington, Seattle, Washington, United States

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Factor IX and Incident Hypertension in Black and White Adults: The REasons for Geographic and Racial Differences in Stroke (REGARDS) Cohort

Eric Stoutenburg¹, Maria Cristina Bravo¹, Virginia J. Howard², Suzanne E. Judd², Leann Long³, Timothy B. Plante¹

¹University of Vermont, Lebanon, New Hampshire, United States, ²UNIVERSITY OF ALABAMA-BIRMINGHAM, Birmingham, Alabama, United States, ³Wake Forest School of Medicine, Winston Salem, North Carolina, United States

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Evaluation of Blood Pressure Management Practices Among Non-Cardiovascular Physicians in Zhejiang Province, China

Yue Wu¹, Cheng Tong¹, Renzhao Wu², Shuwei Huang³

¹Zhejiang Chinese Medical University, Hangzhou, China, ²Zhejiang Academy of Traditional Chinese Medicine, Hangzhou, China, ³Zhejiang Provincial Hospital of Traditional Chinese Medicine, Hangzhou, China

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Mingyu Zhang¹, Izzuddin Aris², Andres Cardenas³, Sheryl L. Rifas-Shiman², Pi-i Lin², Long H. Ngo¹, Emily Oken², Marie-France Hivert², Stephen P. Juraschek¹

¹Harvard Medical School and Beth Israel Deaconess Medical Center, Boston, Massachusetts, United States, ²Harvard Medical School and Harvard Pilgrim Health Care Institute, Boston, Massachusetts, United States, ³Stanford School of Medicine, Palo Alto, California, United States

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Characterization of the Course of Heart Disease using Multimorbidity-adjusted Life Year (MALY): A Multi-state Non-Markov Framework

Ming Ding, Feng-Chang Lin, Michelle Meyer

The University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States

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Ramzi Kibbi¹, Quan Mai¹, Laura Seegmiller⁴, Vaishnavi Krishnan⁵, Elizabeth Marquez¹, Sadiya S. Khan², Laura J. Rasmussen-Torvik³

¹Northwestern University, Chicago, Illinois, United States, ²Northwestern University, Oak Park, Illinois, United States, ³NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ⁴Northwestern University, Chicago, Illinois, United States, ⁵Northwestern University, Chicago, Illinois, United States

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Jaemyung Kim¹, Bethany Barone Gibbs², Kara M. Whitaker¹

¹University of Iowa, Iowa City, Iowa, United States, ²West Virginia University, Morgantown, West Virginia, United States

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Future Heart Motion Measurements in Deep Learning-based Predictive Imaging

Lucy Lu¹, Viswanathan Rajagopalan², Richard Segall³

¹Department of Medicine/Section of Preventive Medicine and Epidemiology Boston University Chobanian & Avedisian School of Medicine, Boston University, Cranston, Rhode Island, United States, ²NYITCOM at Arkansas State University, Jonesboro, Arkansas, United States, ³Arkansas State University, Jonesboro, Arkansas, United States

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Sierra Patterson¹, Jianwen Cai¹, Jonathan Zhang¹, Robert Kaplan², Sylvia W. Wassertheil-Smoller³, Matthew A. Allison⁴, Daniela Sotres-Alvarez¹, Bharat Thyagarajan⁶, James S. Floyd⁵, Elina Jerschow³, Daniel L. Labovitz⁷, Martha L. Daviglus⁸, Amber Pirezada⁹, Larissa Aviles-Santa¹⁰, Wayne D. Rosamond¹¹
¹UNC Chapel Hill, Chapel Hill, North Carolina, United States, ²Department of Epidemiology & Population Health, Albert Einstein College of Medicine, Bronx, New York, United States, ³ALBERT EINSTEIN COLL MED, Bronx, New York, United States, ⁴University of California San Diego, La Jolla, California, United States, ⁵UNIVERSITY WASHINGTON, Seattle, Washington, United States, ⁶University of Minnesota, Minneapolis, Minnesota, United States, ⁷Montefiore Medical Center, Bronx, New York, United States, ⁸UNIVERSITY ILLINOIS CHICAGO, Chicago, Illinois, United States, ⁹University of Illinois Chicago, Chicago, Illinois, United States, ¹⁰National Institute on Minority Health and Health Disparities, Bethesda, Maryland, United States, ¹¹University of North Carolina, Chapel Hill, North Carolina, United States

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Neighborhood characteristics and incident myocardial infarction in US older adults: evaluation in two nationwide cohorts

Kendra D. Sims⁵, Torsten Neilands¹, Julene Johnson¹, Loni P. Tabb², Monika M. Safford³, Gina S. Lovasi², Suzanne E. Judd⁶, Kirsten Bibbins-Domingo⁴, Maria M. Glymour⁵
¹UC San Francisco, Pacifica, California, United States, ²Drexel University, Philadelphia, Pennsylvania, United States, ³WEILL CORNELL MEDICINE, New York, New York, United States, ⁴JAMA and UCSF, Chicago, Illinois, United States, ⁵Epidemiology, Boston University School of Public Health, Boston, Massachusetts, United States, ⁶UAB, Birmingham, Alabama, United States

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Predicting Reductions In Hemoglobin A1c From Large Dietary Datasets Using Artificial Intelligence Pipeline With Interpretable Encoder-Decoder Deep Neural Networks

Martha Tamez¹, Luis Soenksen³, Leonard Boussioux², Josiemer Mattei¹
¹Nutrition, Harvard T.H. Chan School of Public Health, New York, New York, United States, ²Michael G. Foster School of Business, University of Washington, Seattle, Washington, United States, ³Center for Bioengineering Innovation & Design, Johns Hopkins University, Baltimore, Maryland, United States

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3-Minute Heart Health App: A Feasibility Study

Iya Abdulkarim, Joseph M. Metzger, Steven Stovitz, Jeremy R. Van't Hof
University of Minnesota, Minneapolis, Minnesota, United States

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Participant Perceptions of Diet-Related Feedback Messages: Insights from the SMARTER Trial Focus Groups

Britney N. Beatrice¹, Jacob K. Kariuki¹, Susan Zickmund², Patrick Galyean⁴, Elisabeth Kimball², Jeanette Young², Jessica Cheng¹, Molly Conroy², Maribel Cedillo³, Susan M. Sereika¹, Zhadyra Bizhanova¹, Lora E. Burke¹

¹UNIVERSITY of PITTSBURGH, Seattle, Washington, United States, ²University of Utah, Salt Lake City, Utah, United States, ³University of Utah, Salt Lake, Utah, United States, ⁴U of U Division Epidemiology, Salt Lake City, Utah, United States

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Improvements in Hemoglobin A1c among Diabetic and Prediabetic Participants of a Mobile Health Cardiovascular Program

Walter Roberts², Helena Lyson¹, Yehuda Paz¹

¹Hello Heart, Menlo Park, California, United States, ²Hello Heart, Guilford, Connecticut, United States

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Impact of Health Technology on Cardiopulmonary Resuscitation Trainings, Globally: A Narrative Review

Priyansh Shah¹, Anushri Soni², Dhruvil Patil³, Sharanya Kaushik², Eleonora GAsi⁴

¹World Youth Heart Federation, Bronx, New York, United States, ²Jacobi Hospital, Bronx, New York, United States, ³General Medicine, Beth Israel Deaconess Medical Center, Boston, Massachusetts, United States, ⁴Jacobi Hospital, Bronxville, New York, United States

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Digital Cardiovascular Health Promotion Among Adolescents In Nepal

Dayana Shakya⁶, Jon Victor Bankler², Hua Bai², Ulf J. Wilhelmsson³, Nawi Ng⁴, Natalia Oli¹, Abhinav Vaidya¹, Alexandra Krettek⁵

¹Department of Community Medicine, Kathmandu Medical College, Kathmandu, Nepal, ²University of Skovde, Skovde, Sweden, ³University of Skovde, Skovde, Sweden, ⁴University of Gothenburg, Gothenburg, Sweden, ⁵University of Skovde, Skovde, Sweden, ⁶Department of Nursing, Kathmandu Medical College, Kathmandu, Nepal

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Disparities can be exacerbated by new technology for tracking physical activity

Chanam Shin¹, Kyungeh An², Kyung Mi Oh³

¹Texas Woman's University, Denton, Texas, United States, ²Georgia State University, Atlanta, Georgia, United States, ³George Mason University, Fairfax, Virginia, United States

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Barriers Associated with The Use of Smart Blood Pressure Monitors Among Minority Older Adults

Jany Sun¹, Yanjun Dong², Jimmie Boliboun³, Katherine Koo³, Valeria Vazquez-Trejo¹, Michael Cui³, Victoria Rizzo², Jeannine Rowe⁴

¹Rush Medical College, Chicago, Illinois, United States, ²University at Albany, State University of New York, Albany, New York, United States, ³Rush University Medical Center, Chicago, Illinois, United States, ⁴University of Wisconsin-Whitewater, Whitewater, Wisconsin, United States

PS03.09 Nutrition and Diet 2

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Cardiometabolic Changes by Presence of Lipid Lowering Medications when Following a Vegan Diet High or Low in Extra Virgin Olive Oil

Andrea Krenek¹, Anne Mathews², MONICA AGGARWAL²

¹Department of Medicine, Stanford University, Fulshear, Texas, United States, ²University of Florida, Gainesville, Florida, United States

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Differences in Diet Quality Across US Census 2020 Regions: A Secondary Analysis in the Women's Health Initiative

Matthew J. Landry¹, Jaylen M. Lee¹, Lesley Tinker², Aladdin Aladdin³, Linda Van Horn⁴, Sparkle Springfield⁵, Linda Snetselaar⁶, Marian Neuhouser², Abu Taiyab Nazmus Saquib⁷, JoAnn E. Manson⁸, JC Chen⁹, Qian Xiao¹⁰, Haley Hedlin¹¹, Shawna Follis¹¹, Marcia L. Stefanick¹¹

¹University of California, Irvine, Irvine, California, United States, ²Fred Hutchinson Cancer Research Center, Seattle, Washington, United States, ³University of California, San Diego, La Jolla, California, United States, ⁴Northwestern University, Chicago, Illinois, United States, ⁵Loyola University Chicago, Maywood, Illinois, United States, ⁶University of Iowa, Iowa City, Iowa, United States, ⁷Sulaiman AlRajhi University, Bukayriah, Saudi Arabia, ⁸Brigham and Women's Hospital, Boston, Massachusetts, United States, ⁹University of Southern California, Los Angeles, California, United States, ¹⁰The University of Texas Health Science Center at Houston, Houston, Texas, United States, ¹¹Stanford University, Palo Alto, California, United States

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Greater Adherence to the 2020-2025 Dietary Guidelines for Americans on Consumption of Dark Green Vegetables and Legumes is Associated with Lower Carotid Femoral Pulse Wave Velocity in a Cohort of Community-Dwelling Older Adults without Dementia

Mengyi Li², Jiatong Li², Yuefang Chang¹, Emma Barinas-Mitchell², Cristina Murray-Krezan², Whitney Wharton³, Timothy M. Hughes⁴, Akira M. Sekikawa²

¹Neurological Surgery, University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ²University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ³School of Nursing, Emory University, Atlanta, Georgia, United States, ⁴Internal Medicine, Section on Gerontology and Geriatric Medicine, Wake Forest University School of Medicine, Winston-Salem, North Carolina, United States

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Associations of maternal salt intake with low birth weight and small for gestational age in a large cohort

Tongtong Li, Caimei Yuan, Xiaohui Li, Puchen Zhou, Geng Zong
Shanghai Institute of Nutrition and Health, Chinese Academy of Sciences, Shanghai, --None--, China

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Predictive Modeling of Glycemic Variability and its Association with Metabolic Health: A Precision Nutrition Approach Using Korean National Data

Dahyun Park, Min-Jeong Shin
Korea university, Seoul, Korea (the Republic of)

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Urinary thromboxane metabolites, circulating omega-3 and omega-6 fatty acids, and incident cardiovascular disease: results from the Framingham Heart Study

Frank Qian¹, Priya Gajjar², Jeffrey J. Rade³, Matthew G. Nayor¹
¹Boston Medical Center, Boston, Massachusetts, United States, ²Boston University, Boston, Massachusetts, United States, ³University of Massachusetts, Worcester, Massachusetts, United States

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Circulating and tissue levels of omega-3 fatty acids and incident peripheral artery disease: an individual participant-level pooled analysis of prospective studies

Frank Qian¹, Nathan Tintle², Jason Westra³, Christian Bork⁴, Brenton R. Swenson⁵, Sarah Nomura⁶, Fumiaki Imamura⁷, Federica Laguzzi⁸, Cristina Razquin⁹, Miguel Ruiz-Canela⁹, Elizabeth Holliday¹⁰, Rozenn N. Lemaitre⁵, Michael Y. Tsai⁶, Qi Sun¹¹, Jason H. Wu¹², Anne B. Newman¹³, David S. Siscovick¹⁴, Dariush Mozaffarian¹⁵, William S. Harris¹⁶

¹Boston Medical Center, Boston, Massachusetts, United States, ²Dordt University, Sioux Center, Iowa, United States, ³Fatty Acid Research Institute, Sioux Falls, South Dakota, United States, ⁴Aalborg University Hospital, Aalborg, Denmark, ⁵University of Washington, Seattle, Washington, United States, ⁶University of Minnesota, Minneapolis, Minnesota, United States, ⁷University of Cambridge, Cambridge, United Kingdom, ⁸Karolinska Institutet, Stockholm, Sweden, ⁹University of Navarra, Navarra, Spain, ¹⁰University of Newcastle, Garden Suburb, New South Wales, Australia, ¹¹Harvard T. H. Chan School of Public Health, Boston, Massachusetts, United States, ¹²University of New South Wales, Newtown, New South Wales, Australia, ¹³University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ¹⁴The New York Academy of Medicine, New York, New York, United States, ¹⁵Tufts University, Boston, Massachusetts, United States, ¹⁶Fatty Acid Research Institute, Sioux Falls, South Dakota, United States

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Assessment of Dietary Recall Plausibility Using an Updated Formula that Considers Energy Intake Measured by Doubly-Labeled Water

Leinys S. Santos Baez¹, Michele N. Ravelli³, Diana A. Diaz-Rizzolo¹, Collin Popp², Bin Cheng¹, Dymrna Gallagher¹, Dale A. Schoeller⁴, Blandine Laferrere¹

¹Columbia University, Yonkers, New York, United States, ²NYU Langone Health, New York, New York, United States, ³University of Wisconsin - Madison, Madison, Wisconsin, United States, ⁴University Wisconsin-Madison, Madison, Wisconsin, United States

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Joint Effect of Oral Health and Dietary Diversity on Cognitive Impairment Among Chinese Adults 65 Years or Older

Juntian Shen¹, Jingxuan Zhuge¹, Junjie Lin², Xiaoyu Zhou¹, Xiong Ding¹, Huiyuan Zhou¹, Yuxuan Wang¹, Xian Zhang¹, Xiaolin Xu², Lijing L. Yan¹

¹Global Health Res Ctr, Duke Kunshan Univ, Kunshan, China, ²Sch of Public Health, Zhejiang Univ, Hangzhou, China

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Association Between Diet Quality, Hypertension, And Hypertension Awareness Among Adults In Puerto Rico

Martha Tamez¹, Robert Kaplan², Jose F Rodriguez-Orengo³, Katherine L. Tucker⁴, Josiemer Mattei¹

¹Nutrition, Harvard T.H. Chan School of Public Health, New York, New York, United States, ²Epidemiology & Population Health, Albert Einstein College of Medicine, Bronx, New York, United States, ³FDI Clinical Research, San Juan, Puerto Rico, ⁴Center for Population Health, University of Massachusetts Lowell, Lowell, Massachusetts, United States

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Relationship between adherence to Canada's Food Guide 2019 and the risk of cardiovascular disease in Canada: A Protocol

Matthew Tatur¹, Didier Brassard³, Mavra Ahmed¹, Laura Chiavaroli¹, Anthony Hanley², Wendy Lou¹, Vasanti Malik¹

¹University of Toronto, Toronto, Ontario, Canada, ²University of Toronto, Toronto, Ontario, Canada, ³McGill University, Montreal, Quebec, Canada

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Pilot Evaluation of the Healthy Kids, Inc. Central Kitchen Food Project: Insights from a Childcare Center-Based Nutrition Program In West Virginia.

Claire Ugo-Ike¹, Jennifer Herbert², Mary Hastings³, Brice Haines³, Mandy Curry³, Sally Honeycutt⁴

¹American Heart Association, Dallas, Texas, United States, ²American Heart Association, Renton, Washington, United States, ³Healthy Kids Inc., Morgantown, West Virginia, United States, ⁴American Heart Association, Dallas, Texas, United States

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Exploring the Interplay of Plant-Based Diets, Microbiota, and Metabolites: Implications for Cardiovascular Disease Prevention

Catherine Ward¹, Erica Sonnenburg¹, Justin Sonnenburg¹, Christopher D. Gardner²

¹Stanford University, Palo Alto, California, United States, ²STANFORD UNIVERSITY, Palo Alto, California, United States

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Objective overeating by chronic stress level among men and women in the Hispanic Community Health Study/Study of Latinos

Charis Wiltshire¹, Hanqi Luo², Salma Parra Pulgarin¹, Aditya Mehta¹, Shakira F. Suglia³, Cynthia M. Perez⁴, Martha Tamez⁵, Carmen R. Isasi⁶, Josiemer Mattei⁷, Krista Perreira⁸, Linda C. Gallo⁹, Martha L. Daviglius¹⁰, Linda Van Horn¹¹, Daniela Sotres-Alvarez¹², Andrea Lopez¹³

¹Epidemiology, Rollins School of Public Health, Atlanta, Georgia, United States, ²Global Health, Emory University Rollins School of Public Health, Atlanta, Georgia, United States, ³Emory UNIVERSITY, Atlanta, Georgia, United States, ⁴University of Puerto Rico, San Juan, Puerto Rico, ⁵Nutrition, Harvard T.H. Chan School of Public Health, New York, New York, United States, ⁶ALBERT EINSTEIN COLLEGE MEDICINE, Bronx, New York, United States, ⁷HARVARD CHAN SCHOOL PUBLIC HEALTH, Boston, Massachusetts, United States, ⁸University of North Carolina School, Chapel Hill, North Carolina, United States, ⁹San Diego State University, Chula Vista, California, United States, ¹⁰UNIVERSITY ILLINOIS CHICAGO, Chicago, Illinois, United States, ¹¹NORTHWESTERN UNIV MEDICAL SCH, Chicago, Illinois, United States, ¹²Biostatistics, UNC Chapel Hill, Chapel Hill, North Carolina, United States, ¹³Emory University, Decatur, Georgia, United States

PS03.10 Obesity and Adipose Tissue Distribution

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Healthcare Resource Utilization (HCRU) and Economic Burden of Obesity or Overweight with Comorbidities in the US: A Systematic Literature Review (SLR)

Jaime Almandoz¹, Jamy D. Ard², Chellse Gazda¹, Shenelle Edwards-Hampton²

¹UT Southwestern Medical Center, Dallas, Texas, United States, ²Wake Forest School of Medicine, Winston Salem, North Carolina, United States

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OBESITY RELATED CARDIOVASCULAR MORTALITY IN ASIAN AMERICANS

Abhyuday Chauhan¹, Deepak R. Nair², Dhananjay Vaidya³

¹Jacobi Medical Center, Bronx, NY, New York, New York, United States, ²Internal Medicine, Sinai Hospital of Baltimore, Baltimore, Maryland, United States, ³JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, United States

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Impact of MRI Body Fat Imaging Report on Obesity-Related Cardiometabolic Risk: Findings From The BODY-REAL Study

Shradha Chhabria¹, Jaime Abraham Perez³, Ian J. Neeland²

¹Dept of Internal Medicine and Pediatrics, University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine, Cleveland, Ohio, United States, ²Harrington Heart and Vascular Institute, University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine, Cleveland, Ohio, United States, ³Center for Clinical Research, University Hospitals, Cleveland, Ohio, United States

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Measured Obesity and Overweight in the Adult Population: the Italian Health Examination Survey 2023-2024 - CUORE Project

BENEDETTA MARCOZZI¹, Cinzia Lo Noce¹, Serena Vannucchi¹, Anna Di Lonardo¹, cecilia damiano¹, Alessandra Cardinale¹, DANIELA GALEONE², Paolo Bellisario², Luigi Palmieri³, Chiara Donfrancesco¹
¹ISTITUTO SUPERIORE DI SANITA, Rome, Italy, ²Ministry of Health, Rome, Italy, ³ISTITUTO SUPERIORE DI SANITA, Rome, Italy

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Summary Measure of Social Determinants of Health/Health Equity and Obesity among Mississippi Adults

Emmanuel Cherechi Egwuatu, Shadrack Barffour Awuah, Negasi W. Tsegay, Vincent L. Mendy
Epidemiology and Biostatistics, Jackson State University, Jackson, Mississippi, United States

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Household Food Insecurity and Adiposity Changes Among Adolescents: A Longitudinal Study of Gender-Specific Outcomes in the Greater Baton Rouge Area

Ashley Fenton², Amanda E. Staiano¹, Michael Celestin², Tekeda F. Ferguson², Candice A. Myers³, Tung-Sung Tseng², Stephanie Broyles⁴
¹PENNINGTON BIOMED RESEARCH CEN, Baton Rouge, Louisiana, United States, ²LSU HEALTH SCIENCE CENTER SPH, New Orleans, Louisiana, United States, ³PENNINGTON BIOMEDICAL RESEARCH CTR, Baton Rouge, Louisiana, United States, ⁴PENNINGTON BIO RSCH CTR, Baton Rouge, Louisiana, United States

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Association of Body Roundness Index (BRI) with Left Ventricular Mass and Geometry: The Framingham Heart Study

Philimon N. Gona², Saadia Qazi⁵, Carol Salton³, Christopher J. Odonnell⁴, Warren J. Manning³, Michael Chuang¹

¹CRF, Newton, Massachusetts, United States, ²University of Massachusetts Boston, Hyde Park, Massachusetts, United States, ³BETH ISRAEL DEACONESS MED CTR, Boston, Massachusetts, United States, ⁴BOSTON VA HEALTHCARE SYSTEM, Wellesley, Massachusetts, United States, ⁵Brigham and Womens Hospital, Boston, Massachusetts, United States

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Temporal Trends and Differential Increase in High Body Mass Index and Obesity Prevalence among Asian American, Native Hawaiian and Other Pacific Islander Adults: Insights from the PANACHE Study

Joan C. Lo¹, Rishi Parikh¹, Thida Tan¹, Andrew P. Ambrosy¹, Stacey Alexeeff¹, Connor Howick², Yihe Daida², Alan S. Go¹

¹Division of Research, Kaiser Permanente Northern California, Pleasanton, California, United States, ²Kaiser Permanente Hawaii, Honolulu, Hawaii, United States

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Increased Trunk Fat and Decreased Limb Fat Correlate with Adverse Blood Lipid Profiles: Evidence From the MECH-HK Cohort

Yao Jie Xie¹, Qingling Yang¹, Lin Yang¹, Harry H.X. Wang², Jing Qin¹

¹HONG KONG POLYTECHNIC UNIVERSITY, Hong Kong, China, ²Sun Yat-Sen University, Guangzhou, China

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Obesity and the Risk of Advanced Stages of Cardiovascular-Kidney-Metabolic Syndrome among Obstructive Sleep Apnea Patients

Zhiqi Yao¹, Michael J. Blaha²

¹Ciccarone Center for the Prevention of Cardiovascular Disease, Baltimore, Maryland, United States, ²JOHNS HOPKINS HOSPITAL, Baltimore, Maryland, United States

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Temporal Changes in Blood and Fecal Metabolites and Fecal Microbiome After Bariatric Surgery

Yulu ZHENG¹, Kui Deng², Lei Wang¹, Charles Flynn³, Wayne English⁴, Jason M. Samuels², You Chen², Xiao-Ou Shu¹, Danxia Yu⁵

¹Division of Epidemiology, Vanderbilt University Medical Center, Nashville, Tennessee, United States, ²Vanderbilt University Medical Center, NASHVILLE, Tennessee, United States, ³Vanderbilt University Medical Center, Nashville, Tennessee, United States, ⁴Vanderbilt University, Nashville, Tennessee, United States, ⁵Vanderbilt University Medical Center, Nashville, Tennessee, United States

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Pericardial Adipose Tissue Outperforms BMI in Predicting Adverse Cardiac Outcomes in Severe Obesity

Qiuyu M. Zhu¹, Jai Singh², Andrew Kott², Gregory J. Sinner², Amar P. Parikh², Sujethra Vasu¹, Dermot Phelan², Michael D. Elliott², Carolyn J. Park¹

¹Cardiology, Atrium Health Wake Health Baptist, Winston Salem, North Carolina, United States, ²Sanger Heart and Vascular Institute, Charlotte, North Carolina, United States

PS03.11 Preventive Cardiology

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Assessing The Cardiovascular Health Status Using “Life’s Essential 8” Among Undergraduate Students

Aisanam Abdurasulova, Shafee Ur Rehman, Wajid Iqbal, Ali Haider, Aya Ibrahim, Ryskul Kydyralieva
Ala-Too International University, Bishkek, Kyrgyzstan

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Risk Factors of Atrial Fibrillation, Heart Failure and Their Co-occurrence in Postmenopausal Women: A Womens’s Health Initiative Study

Muhammad Baig¹, Ali Khan¹, Miremad Moafi-Madani², Joseph C. Larson³, Michael J. LaMonte⁴, Bing Lu⁷, Nishant R. Shah¹, Mary Roberts⁵, Charles Eaton⁶

¹Brown University, Providence, Rhode Island, United States, ²Brown University, Providence, Rhode Island, United States, ³Fred Hutch, Seattle, Washington, United States, ⁴University at Buffalo - SUNY, Buffalo, New York, United States, ⁵Care New England Medical Group, Pawtucket, Rhode Island, United States, ⁶Charles Eaton, Plymouth, Massachusetts, United States, ⁷UConn Health, Stamford, Connecticut, United States

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A Community-Based Intervention to Improve Cardiovascular Health Understanding in the Dallas-Fort Worth South Asian Community

Parminder Deo¹, Anand Rohatgi², Parul Sharma², Mohanakrishnan Sathyamoorthy³

¹Burnett School of Medicine at TCU, Fort Worth, Texas, United States, ²UT SOUTHWESTERN, Dallas, Texas, United States, ³Burnett School of Medicine at TCU, Fort Worth, Texas, United States

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Loneliness and Social Isolation from Reduced Activities Increase Ischemic Heart Disease Risk via Metabolic and Behavioral Mediators: Evidence from Mendelian Randomization Study

Shuyao Su¹, Wanyue Wang¹, Chenxi Yuan², Zhennan Lin¹, Xiangfeng Lu¹, fangchao liu¹

¹Department of Epidemiology, Fuwai Hospital, National Center for Cardiovascular Disease, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China, ²Department of Epidemiology, Center for Global Health, School of Public Health, Nanjing Medical University, Nanjing, China

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Statins and Insulin Resistance in a Pediatric Preventive Cardiology Practice

Jason Miller², Yisong Huang², Sarah D. de Ferranti², Kimberlee Gauvreau³, Shannon Lyon¹

¹Boston Childrens Hospital, Boston, Massachusetts, United States, ²Boston Children's Hospital, Boston, Massachusetts, United States, ³Boston Children's Hospital, Boston, Massachusetts, United States

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Epigenetic gestational age predicts subclinical atherosclerosis measures from childhood through adulthood

Zhongzheng Niu¹, Sahra Mohazzab-Hosseini², Fangqi Guo², Xinci Chen², Mingzhu Yan³, Lora Whitfield³, Yanjie Li³, Howard N. Hodis³, Theresa Bastain², Shohreh Farzan², Carrie V. Breton²

¹Epidemiology and Environmental Health, University at Buffalo, Buffalo, New York, United States, ²Population and Public Health Sciences, UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES, California, United States, ³Atherosclerosis Research Institute, University of Southern California, Los Angeles, California, United States

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Peer Coaching Improves Cardiac Rehabilitation Participation and Reduces Perioperative Challenges in Cardiac Surgery Patients: A Pilot Study

kanwar parhar¹, Aaron Holm⁴, Ravi S. Hira⁵, Lara Oyetunji², Jeannie Collins-Brandon⁵, Eric J. Lehr³, Sarah M. Speck²

¹Elson S Floyd College of Medicine, Portland, Oregon, United States, ²UNIVERSITY OF WASHINGTON, Seattle, Washington, United States, ³SWEDISH MEDICAL CENTER, Seattle, Washington, United States, ⁴PatientCircle Research Institute, Issaquah, Washington, United States, ⁵Pulse Heart Institute and Multicare Health System, Tacoma, Washington, United States

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Epic Cosmos Can be Used to Model the Population Impact of Lowering Low-Density Lipoprotein-Cholesterol Goals in Secondary Prevention of Atherosclerotic Cardiovascular Disease

Syed Muhammad Musa Ali Rizvi, Danh Nguyen, Ann Marie M. Navar, Sun Won Min, Amit Khera, Mujeeb A. Basit

UT Southwestern Medical Center, Dallas, Texas, United States

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Triglycerides are the Only Serum Lipid in Adolescence that are Significantly Related to Left Ventricular Mass in Black and White Young Women

Jordan Sill, Jessica G. Woo, Elaine M. Urbina
Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, United States

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Cardiovascular Health Levels and Incident Cardiovascular Event Risk in Individuals with Autoimmune Diseases

Jie Zhang¹, Hao Ma², Xuan Wang², Yoriko Heianza², Dongqing Ye¹, Lu Qi²

¹Anhui University of Science and Technology, Hefei, China, ²TULANE UNIVERSITY, New Orleans, Louisiana, United States

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Semaglutide Versus Liraglutide and Incidence of Diabetes and Cardiovascular Disease: an Analysis of Real-World Data

Ethan Cannon¹, Wendy Wang², Faye L. Norby⁴, Rob F. Walker³, Pamela L. Lutsey⁵

¹University of Minnesota, Minneapolis, Minnesota, United States, ²University of Minnesota, Minneapolis, Minnesota, United States, ³University of Minnesota, Minneapolis, Minnesota, United States, ⁴University of Minnesota, Minneapolis, Minnesota, United States, ⁵University of Minnesota, Minneapolis, Minnesota, United States

PS03.12 Psychosocial Factors

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Associations Between Cardiovascular Health, Stress, and Emotional Intelligence in First-Year Medical Students; Cross-Sectional Study

Jaime A. cespedes², Erika Ladino-Marin¹, Juan Sanchez-Sanchez¹, Sara J. Guerrero-Leon¹, Catalina Arango-Holguin¹, Melissa Zambrano-Ferreira¹, Andrea C. Trompetero-Gonzalez¹, Diana Ramos-Caballero¹, Silvia Lopez-Guzman³

¹Universidad del Rosario, Bogota, Colombia, ²Cardioinfantil Foundation, Bogota, Colombia, ³National Institute of Mental Health, Bethesda, Maryland, United States

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Association between resilience and health status among adults after myocardial infarction

Bryan Chen², Olivia Liu³, Alexis Bartelloni⁴, Yuhe Xia⁵, Harmony R. Reynolds⁶, Tanya M. Spruill⁷, Milla E. Arabadjian¹

¹Foundations of Medicine, NYU Grossman Long Island School of Medicine, Mineola, New York, United States, ²NYU Grossman Long Island School of Medicine, Mineola, New York, United States, ³NYU Grossman School of Medicine, Sugar Land, Texas, United States, ⁴NYU Langone Health, Jersey City, New Jersey, United States, ⁵NYU Langone Health, New York, New York, United States, ⁶NYU GROSSMAN SCHOOL MEDICINE, New York, New York, United States, ⁷NYU SCHOOL OF MEDICINE, New York, New York, United States

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Psychological Factors and Coronary Atherosclerosis Progression in the Multi-Ethnic Study of Atherosclerosis

Luis Correia, Laura Ward, Amit J. Shah, Yinxian Chan, Tene T. Lewis, Viola Vaccarino, Dayna A. Johnson

Epidemiology, Rollins School of PH, Emory University, Atlanta, Georgia, United States

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Experiences of Discrimination in the Healthcare Setting and the Impact on Healthcare Utilization among Black Adults with Hypertension

Yendelela L. Cuffee¹, Alexandra Wynn¹, Angelina Ng¹, Elena Lynn³, Alyssa Brown¹, Portia Jackson Preston²

¹University of Delaware, Newark, Delaware, United States, ²Cal State Fullerton, Fullerton, California, United States, ³University of Delaware, Newark, Delaware, United States

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Healthcare Services Utilization Is Associated With Depression Among College Students

Christina Ezemenaka

University of Mississippi Medical C, Jackson, Mississippi, United States

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Association Between Social Support and Health Status Among Adults After Myocardial Infarction

Olivia Liu, Yiwei Li, Harmony R. Reynolds, Tanya M. Spruill, Milla E. Arabadjian

Leon H. Charney Div of Cardiology, Dept of Medicine, NYU Grossman School of Medicine, New York, New York, United States

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Psychological Health and Life's Essential 8 Cardiovascular Health Risk among Women of Reproductive Age

Faith Metlock¹, Ketum Ateh Stanislas¹, Asma Rayani², Dhananjay Vaidya³, Yaa A. Kwapong⁴, Pamela Ouyang⁵, Garima Sharma⁶, American conference²

¹Johns Hopkins University, North Bethesda, Maryland, United States, ²Johns Hopkins University, Baltimore, Maryland, United States, ³JOHNS HOPKINS UNIVERSITY, Baltimore, Maryland, United States, ⁴Johns Hopkins School of Medicine, Baltimore, Maryland, United States, ⁵JOHNS HOPKINS UNIVERSITY, Towson, Maryland, United States, ⁶Inova Fairfax Medical Campus, Falls Church, Virginia, United States

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Moderating Role of Psychosocial Risk and Resilience in the Relationship Between Neighborhood Disadvantage and Incident Cardiovascular Disease Across Ethnoracial Groups: MESA Cohort 2000-2019

Hannah Pleasants¹, Ganga Bey², James R. Pike³

¹Epidemiology, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States, ²UNC Chapel Hill, Chapel Hill, North Carolina, United States, ³Johns Hopkins University, Chapel Hill, North Carolina, United States

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The Association of Psychosocial Factors with Diet Quality in a Puerto Rican Adults

Anna Porter¹, Martha Tamez³, Donna Spiegelman², Josiemer Mattei³

¹Yale University, Chapel Hill, North Carolina, United States, ²Yale University, New Haven, Connecticut, United States, ³Nutrition, Harvard T.H. Chan School of Public Health, New York, New York, United States

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Association Between Perceived Discrimination and Depression/Anxiety Symptoms

Zhengxin Tang, Nan Lv, Jun Ma

Medicine, University of Illinois at Chicago, Chicago, Illinois, United States

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Variation in Cerebrovascular Disease Mortality among Asian American Ethnic Subgroups

So Hee Naomi Ahn¹, Thirumagal Gowrikanthan¹, Franco Miguel Valencia¹, Karin, Kai Wing Wang¹, Jasmin Choi¹, Lester Andrew Uy¹, Armaan Jamal³, Nitya Rajeshuni², Robert J. Huang², Gloria Kim⁴, Malathi Srinivasan², Latha Palaniappan², David Yang⁵, Adrian M. Bacong¹

¹Stanford University, Mountain View, California, United States, ²STANFORD UNIVERSITY, Stanford, California, United States, ³Stanford University, Baltimore, Maryland, United States, ⁴Stanford University, Stanford, California, United States, ⁵Department of Emergency Medicine, Yale School of Medicine, New Haven, Connecticut, United States

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Racial Disparities in the Association of Adiposity Measures with Cardiovascular Disease Mortality

King Sum S. Tong², Jeff Leung², Seth Tivakaran², Julia Raghu², Nicholas Panyanouvong², Lester Uy², Armaan Jamal², Malathi Srinivasan², Nitya Rajeshuni², Gloria Kim¹, Robert J. Huang¹, Latha Palaniappan³, Adrian M. Bacong¹

¹Stanford University, Mountain View, California, United States, ²Medicine - Center for Asian Health Research and Education, Stanford University School of Medicine, Stanford, California, United States, ³STANFORD UNIVERSITY, Stanford, California, United States

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Prevalence of Self-Reported Depression among Jackson State University African American Students, Data from a 2023 Cross-Sectional Survey

Azad Bhuiyan¹, Precious Patrick Edet², Ihunanya M Kanu¹, Dinan Noor¹, Marinelle Payton³

¹Jackson state university, Jackson, Mississippi, United States, ²Department of Public Health, University of Mississippi, Oxford, Mississippi, United States, ³Jackson State University, Jackson, Mississippi, United States

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Association of Bone Mineral Density with Progression and Incidence of Aortic Calcification: the ERA JUMP Study

Lauren Carlson¹, Mengyi Li², Jiatong Li², Joseph Leader¹, Jessica Bon¹, Daniel Edmundowicz³, Kamal Masaki⁴, Bradley Willcox⁴, Todd B. Seto⁵, Aya Kadota⁶, Sayaka Kadowaki⁷, Keiko Kondo⁶, Katsuyuki Miura⁸, Akira Fujiyoshi¹¹, Takashi Hisamatsu¹⁰, Tomonori Okamura⁹, Akira M. Sekikawa²

¹University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ²Epidemiology, University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ³Temple, Philadelphia, Pennsylvania, United States, ⁴University of Hawaii, Honolulu, Hawaii, United States, ⁵The Queen's Medical Center, Honolulu, Hawaii, United States, ⁶Shiga University of Medical Science, Otsu, Japan, ⁷Shiga University of Medical Science, Otsu, Japan, ⁸SHIGA UNIVERSITY OF MEDICAL SCIENCE, Shiga, Japan, ⁹Keio University School of Medicine, Tokyo, Japan, ¹⁰Okayama University, Okayama, Japan, ¹¹Wakayama Medical University, Wakayama, Japan

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Age-standardized trends in Incidence Rates of Noncommunicable diseases among Adults Aged 30 to 79 in Senegal from 2000 to 2019

Ngone GAYE¹, Mame M. Ka², Damaris Kyem³, Modou Jobe⁴, Elisabeth L. Sattler⁵, Tiffany Gary-Webb⁶, Bamba Gaye⁷

¹Alliance for Medical Research in Africa (AMedRA), Department of Physiology, Cheikh Anta Diop University, Dakar, Senegal, ²Alliance for Medical Research in Africa (AMedRA), Principal Hospital of

Dakar, Department of Cardiology, Dakar, Senegal, ³University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ⁴Medical Research Council Unit The Gambia at London School of Hygiene & Tropical Medicine, Banjul, Gambia, ⁵UNIVERSITY OF GEORGIA, Athens, Georgia, United States, ⁶University of Pittsburgh, Pittsburgh, Pennsylvania, United States, ⁷Alliance for Medical Research in Africa (AMedRA), Department of Physiology, Cheikh Anta Diop University, Dakar, Senegal

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Association Between Life's Essential 8 and Cardiovascular Disease by Depression Status

Kareem Khairy, James Wallace, Jee Won W. Park

University of Delaware, Newark, Delaware, United States

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Cost-Effectiveness of Dietary Salt Reduction and Universal Screening Programs to Control Hypertension in US Young Adults

Ciaran N. Kohli-Lynch¹, Brandon K. Bellows², Andrew E. Moran³, Norrina B. Allen⁴

¹Northwestern University, Chicago, Illinois, United States, ²Columbia University, New York, New York, United States, ³COLUMBIA UNIVERSITY, New York, New York, United States, ⁴NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States

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Oral Microbiome Diversity and Premature Mortality in US Adults: Findings From The National Health and Nutrition Examination Survey (NHANES) 2009-2012

Difei Liu, Jin Dai, Yoriko Heianza, Lu Qi

TULANE UNIVERSITY, New Orleans, Louisiana, United States

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Out-Of-Hospital Pediatric Cardiac Arrest, Survival, And Associated Factors – A Systematic Review And Meta-Analysis

Minaz Mawani¹, Morgan Taylor², Ye Shen², Jessica Knight², Bryan McNally³, Mark Ebell²

¹University of Vermont, Winooski, Vermont, United States, ²University of Georgia, Athens, Georgia, United States, ³School of Medicine, Emory University, Atlanta, Georgia, United States

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Socio-Demographic Disparities in the Management Modalities of Pulmonary Embolism Amongst COVID-19 Patients: A Retrospective Population-Based Study

Urvish K. Patel¹, Dhrumil Chhaganbhai Sakariya², Naga Sai Ratha Manpreet Kondamuri¹¹, Enrique Paredes Romero¹³, Kainat Asif¹², Vishal Kalmani⁷, Rithi Prasannakumary⁶, Mohammed Afzal Yerrababugari⁵, Nidhi Khinvasara⁴, Siddhi Savoiverekar³, Ritu Agarwal⁸, Malavika Sajeev⁹, Jay Vyasa¹⁰, Tarun Parvataneni¹⁴

¹Icahn School of Medi at Mount Sinai, New York, New York, United States, ²Davao Medical School Foundation, Davao City, Philippines, ³Goa Medical College, Bambolim, Goa, 403202, Goa, India, ⁴Smolensk State Medical University, Smolensk, 214019, Russia, Smolensk, Russian Federation, ⁵Fathima Institute of Medical Sciences, Kadapa, 516003, Kadapa, India, ⁶Vinayaka Missions Medical College& Hospitals, Karaikal, Pondicherry. 609609, Pondicherry, India, ⁷Akash Institute of Medical Sciences & Research Centre, Bangalore, Karnataka, Bangalore, India, ⁸DY Patil University & School of Medicine, Navi Mumbai, 400706., Navi Mumbai, India, ⁹Pondicherry Institute of Medical sciences, Puducherry, 605014, Puducherry, India, ¹⁰Medical College Baroda, Vadodara, Gujarat, 390001, Vadodara, India, ¹¹NRI Medical College, Mangalagiri, Andhra Pradesh, 522503, Mangalagiri, India, ¹²Dow Medical College, Karachi, Sindh, 74200, Karachi, Pakistan, ¹³Universidad Estatal de Guayaquil, Guayaquil, Ecuador, ¹⁴Aiken Regional Medical Center, Aiken, South Carolina, United States

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Cardiovascular Kidney Metabolic Syndrome Stage Prevalence varies by Asian Subgroup

Sukhmeet Sachal², Suraj Kulkarni³, Ka Yee Chen⁴, Tsz Yeung Yan⁴, Purnima Bharath⁵, Lester Andrew Uy⁵, Armaan Jamal⁶, Malathi Srinivasan⁵, Nitya Rajeshuni⁵, Gloria Kim⁷, Robert J. Huang⁵, Latha Palaniappan⁸, Shiori Kawai⁵, Adrian M. Bacong¹, Unjali Gujral⁹

¹Stanford University, Mountain View, California, United States, ²Western University, London, Ontario, Canada, ³UCLA, Los Angeles, California, United States, ⁴University of Hong Kong, Hong Kong, Hong Kong, ⁵Center for Asian Health Research and Education, Stanford University, Stanford, California, United States, ⁶Stanford University, Baltimore, Maryland, United States, ⁷Stanford University, Stanford, California, United States, ⁸STANFORD UNIVERSITY, Stanford, California, United States, ⁹Emory University Rollins School of Public Health, Atlanta, Georgia, United States

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Traumatic Brain Injury and Risk of Early Onset Dementia: A Population-Based Cohort Study and Meta-analysis.

Aishwarya Saravanan¹, Katherine Giorgio¹, Natalia Lakomski¹, Andrea Schneider², Barbara Olson-Bullis³, Behnam Sabayan⁴, Jim S. Pankow¹, Paul De Vries⁵, Alexa Beiser⁹, Abbas Dehghan⁶, Elizabeth Peterson⁷, Rachel Zmora⁷, John Stephen⁷, Denise Scholtens⁷, Maxwell Mansolf⁷, Lenore J. Launer⁸, Richard Macle hose¹, Pamela L. Lutsey¹, Norrina B. Allen⁷, Sanaz Sedaghat¹

¹University of Minnesota-Twin Cities, Minneapolis, Minnesota, United States, ²Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania, United States, ³HealthPartners Institute, Bloomington, Minnesota, United States, ⁴Department of Neurology, Hennepin HealthCare, Minneapolis, Minnesota, United States, ⁵School of Public Health, UT HEALTH SCIENCE CENTER, Houston, Texas, United States, ⁶Imperial College London, London, United Kingdom, ⁷Northwestern University, Chicago, Illinois, United States, ⁸Intramural Research Program, National Institute on Aging, Washington, District of Columbia, United States, ⁹Boston University, Boston, Massachusetts, United States

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Sex-specific association patterns of childhood maltreatment across TyG and TyG-BMI indices in young adults

Shanshan Wang¹, Shuqin Li², Ruoyu Li², Min Mu¹, Yuhui Wan²

¹School of public health, Anhui University of Science and Technology, Hefei, China, ²School of Public Health, Anhui Medical University, Hefei, China

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Long-term and recurrent antibiotic use during early life is associated with incident cardiovascular disease during adulthood

Shuqi Zhu¹, Ying Hu², Xuan Wang³, Hao Ma¹, Yoriko Heianza¹, Zhaoxia Liang², Lu Qi¹

¹Tulane University, New Orleans, Louisiana, United States, ²Obstetrical Department, Women's Hospital, School of Medicine, Zhejiang University, Hangzhou, Zhejiang, China, ³Tulane University, New Orleans, Louisiana, United States

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The Effect of Early-Life Area-Level Socioeconomic Deprivation on Cognitive Function in Middle-Aged Adults: Findings from the Bogalusa Heart Study

Eunsun Gill¹, Dohyeong Kim², Katherine Theall¹, David Libon³, Camilo Fernandez Alonso⁴, Lydia A. Bazzano¹, Jeanette Gustat¹, Emily Harville¹

¹Epidemiology department, Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana, United States, ²School of Economic, Political, and Policy Sciences, University of Texas, Dallas, Texas, United States, ³Department of Geriatrics and Gerontology, New Jersey Institute for Successful Aging, Rowan University-School of Osteopathic Medicine, Stratford, New Jersey, United States, ⁴Tulane University Health Sciences Center, New Orleans, Louisiana, United States

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Discrimination in Healthcare is Associated with Increased Stroke Risk among Older Adults in the United States

Michael D. Green¹, Ann Marie M. Navar², Emily C. Obrien³, M. A. Brookhart¹, Roland J. Thorpe⁴, Matthew E. Dupre⁵

¹Population Health Sciences, Duke University School of Medicine, Durham, North Carolina, United States, ²UT Southwestern Medical Center, Dallas, Texas, United States, ³Duke University, Durham, North Carolina, United States, ⁴Johns Hopkins University, Baltimore, Maryland, United States, ⁵DUKE UNIVERSITY, Durham, North Carolina, United States

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Social Determinants of Health Among Rural Underserved Patients with Uncontrolled Hypertension

Javier A. Jurado Velez¹, Navneet K. Baidwan², Tapan Mehta²

¹UAB Heersink School of Medicine, Birmingham, Alabama, United States, ²Department of Family and Community Medicine, UAB Heersink School of Medicine, Birmingham, Alabama, United States

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Impact of Neighborhood Disadvantage on Neuroimaging and Plasma Biomarkers associated with Alzheimer's Disease and Related Dementias

Sudarshan Krishnamurthy¹, Lingyi Lu², Marc Rudolph¹, Samuel N. Lockhart¹, XIAOYAN LENG², Sarah Gaussoin², Allison Caban-Holt³, Goldie Byrd³, Melissa Rundle¹, Laura Baker¹, Suzanne Craft¹, James Bateman⁴, Timothy M. Hughes¹

¹Department of Internal Medicine, Wake Forest University School of Medicine, Winston-Salem, North Carolina, United States, ²Department of Biostatistics and Data Science, Wake Forest University School of Medicine, Winston-Salem, North Carolina, United States, ³Maya Angelou Center for Health Equity, Wake Forest University School of Medicine, Winston-Salem, North Carolina, United States, ⁴Department of Neurology, Wake Forest University School of Medicine, Winston-Salem, North Carolina, United States

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Summary Measure of Social Determinants of Health/Health Equity and Stroke Burden among Mississippi Adults

Vincent L. Mendy², Tawandra Rowell-Cunsolo³, Enkhmaa Byambaa¹

¹UNIVERSITY OF CALIFORNIA DAVIS, Davis, California, United States, ²Jackson State University, Jackson, Mississippi, United States, ³University of Wisconsin-Madison, Madison, Wisconsin, United States

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Fatherhood is associated with biological aging among men in the Coronary Artery Risk Development in Young Adults (CARDIA) study

John James Parker¹, Abigail Gauen², Yinan Zheng³, Brian Joyce⁴, Craig Garfield⁵, Clarissa Simon¹, Michael Bancks⁶, Jamal S. Rana⁷, Kelley P. Gabriel⁸, Lifang Hou⁹, Donald M. Lloyd-Jones¹⁰, Norrina B. Allen¹¹

¹Northwestern University, Chicago, Illinois, United States, ²Preventive Medicine, Northwestern University, Chicago, Illinois, United States, ³Northwestern University, Chicago, Illinois, United States, ⁴Northwestern University, Chicago, Illinois, United States, ⁵Chicago, Illinois, United States, ⁶Wake

Forest Univ. School of Med., Winston Salem, North Carolina, United States, ⁷KAISER PERMANENTE, Oakland, California, United States, ⁸UAB P-Cards, Birmingham, Alabama, United States, ⁹NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ¹⁰Northwestern University, Chicago, Illinois, United States, ¹¹NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States

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Area-level Social Determinants of Health Are Associated with Earlier Age of Heart Failure Onset: A Cluster Analysis in the Get With The Guidelines Heart Failure Registry

Xiaoning Huang⁷, Faraz S. Ahmad², Nilay S. Shah³, Clyde W. Yancy⁴, Gregg C. Fonarow⁵, Sadiya S. Khan⁶, Lucia Petito¹

¹Preventive Medicine, Northwestern University, Chicago, Illinois, United States, ²NORTHWESTERN UNIV SCHOOL MEDICINE, Chicago, Illinois, United States, ³Northwestern University, Chicago, Illinois, United States, ⁴NORTHWESTERN UNIVERSITY, Chicago, Illinois, United States, ⁵UCLA MEDICAL CENTER, Los Angeles, California, United States, ⁶Northwestern University, Oak Park, Illinois, United States, ⁷Northwestern University, Chicago, Illinois, United States

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Association Between Rurality and Socioeconomic Status on Acute Myocardial Infarction Hospitalization Among Medicare Beneficiaries

Fayz Quadri, Djhenne M. Dalmacy, Nitin Kanneganti, Abdullah Rabah, Jarett D. Berry, Yordanos M. Tiruneh

The University of Texas Health Science Center at Tyler, Tyler, Texas, United States

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Significant Social Determinants of Health Disparities Exist Between Rural and Non-rural Residents with Elevated Blood Pressure: Findings from the LINKED-BP Study

Sarah E. Slone¹, Janice Dugbartey², Yuling Chen³, Oluwabunmi Ogungbe², Kathryn Foti⁴, Bharat Poudel⁵, Cheryl R. Dennison Himmelfarb⁷, Yvonne Commodore-Mensah⁶

¹University of South Carolina, Columbia, South Carolina, United States, ²Johns Hopkins University, Baltimore, Maryland, United States, ³Johns Hopkins University, Baltimore, Maryland, United States, ⁴University of Alabama at Birmingham, Birmingham, Alabama, United States, ⁵University of Alabama at Birmingham, Birmingham, Alabama, United States, ⁶JOHNS HOPKINS SCHOOL OF NURSING, Baltimore, Maryland, United States, ⁷JOHNS HOPKINS UNIV, Baltimore, Maryland, United States

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Identifying moderate to severe food insecurity among hypertensive patients in a low and middle-income Caribbean country

Marshall K. Tulloch-Reid¹, Trevor S. Ferguson², Vivien Wambugu⁴, Mayur Desai³, Nadia R. Bennett⁵, Keri-An Facey¹, Colette Cunningham-Myrie¹, Carol R. Oladele³

¹The University of the West Indies, Kingston, Jamaica, ²UNIVERSITY OF THE WEST INDIES, Kingston, Jamaica, ³YALE UNIVERSITY, New Haven, Connecticut, United States, ⁴Yale School of Medicine, New Haven, Connecticut, United States, ⁵University of the West Indies, Kingston, Jamaica

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Socioeconomic Adversity and Kidney Impairment in a Mexico-US Border Population

Peter K. Yang¹, Hannah Pleasants¹, Maryam Farmani², Susan P. Fisher-hoch³, Joseph B McCormick⁴, Kari E. North⁵, Kristin Young⁶, Miryoung Lee⁷, Heather Highland⁸

¹UNC Chapel Hill, Chapel Hill, North Carolina, United States, ²Epidemiology, University of Texas Health Science Center at Houston, Houston, Texas, United States, ³UT HOUSTON SCHOOL OF PUBLIC HEALTH, Brownsville, Texas, United States, ⁴The University of Texas Health, Brownsville, Texas,

United States, ⁵UNC CHAPEL HILL, Chapel Hill, North Carolina, United States, ⁶University Of N Carolina At Chapple Hill, Bahama, North Carolina, United States, ⁷UTHealth, School of Public Health, Brownsville, Texas, United States, ⁸University of North Carolina, Chapel Hill, North Carolina, United States

PS03.15 Stroke

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Type A Behavior Pattern and Incident Stroke: REasons for Geographic and Racial Differences in Stroke (REGARDS) Study

Jake Ayisi¹, Rhea Puthumana¹, Suzanne E. Judd², Virginia J. Howard², Timothy Plante¹

¹University of Vermont Larner College of Medicine, Burlington, Vermont, United States, ²Univeristy of Alabmam-Birmingham, Birmingham, Alabama, United States

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Stroke Risk Associated with Atrial Fibrillation in the General Population: A Systematic Review and Bayesian Meta-Analysis

Md Rezaul Hossain¹, Christian A. Razo Garcia², Judd L. Walson³, Stephen E. Hawes¹, Gregory A. Roth²

¹Department of Epidemiology, University of Washington, Seattle, Washington, United States, ²Department of Health Metrics Sciences, University of Washington, Seattle, Washington, United States, ³Departments of International Health, Pediatrics and Medicine (Infectious Disease), Bloomberg School of Public Health, Johns Hopkins University, Baltimore, Maryland, United States

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The Benefits of Probiotic Administration in Stroke Risk, Stroke-Related Gastrointestinal Complications, and Intestinal Flora Dysbiosis: A Meta-Meta-Analysis

Urvish K. Patel¹, Sarayu Devabhaktuni², Aishah Khan⁵, Gaurav Sudhir³, Devansh Gupta⁴, Sindu Mukesh⁶, Arpita Bharguvanshi⁹, Aakash Baskar¹⁰, Tarun Parvataneni¹¹, Kogulavadanan Arumaithurai⁷, Rohan Arora⁸

¹Icahn School of Medi at Mount Sinai, New York, New York, United States, ²Dr.PSI medical college, Chinnoutpalli, India, ³Kasturba Medical College, Mangalore, India (Manipal Academy of Higher Education), Mangalore, India, ⁴Smt. Kashibai Navale Medical College and General Hospital, Pune, India, Pune, India, ⁵Kasturba Medical College, Mangalore, India 575001 (Manipal Academy of Higher Education), Mangalore, India, ⁶Liaquat University of Medical and Health Sciences, Jamshoro, Pakistan, ⁷Mayo Clinic Health System, Albert Lea, Minnesota, United States, ⁸LIJ Forest Hills, Donald & Barbara Zucker School of Medicine, Northwell Health, Great Neck, New York, United States, ⁹Jersey Shore University Medical Center, Jersey Shore, New Jersey, United States, ¹⁰K.A.P.V GMC, Trichy, India, ¹¹Aiken Regional Medical Center, Aiken, South Carolina, United States

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Navigating Stroke Recovery: The Association of Insurance Coverage on Hospital Discharge Disposition in Rural versus Urban Settings in North Carolina

Mahesh Pinapaka², Mehul D. Patel¹, Wayne D. Rosamond²

¹UNC - CHAPEL HILL, Chapel Hill, North Carolina, United States, ²University of North Carolina, Chapel Hill, North Carolina, United States

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Burden of Stroke Attributable to Air Pollution in India and its Trend from 1990-2021: A cross State Comparative Assessment

Deval Surana², Parth Adrejiya⁷, Kushagrita Singh⁴, Jeevanjyot Malhans¹⁰, Janmay Vala⁶, Shrey Goel⁴, Saif Syed³, Mohit Lakkimsetti⁵, VISHRANT AMIN¹, JUHI PATEL⁸, HARDIK D. DESAI⁹

¹G.M.E.R.S MEDICAL COLLEGE VALSAD, Ahmedabad, India, ²Surat Municipal Institute of Medical Education and Research (SMIMER), Surat, India, ³RCSI, DUBLIN, Ireland, ⁴Government Medical College and Hospital, Chandigarh, Chandigarh, India, ⁵Mamata Medical College, Khammam, Hy, India, ⁶Terna Medical College, Navi Mumbai, Maharashtra, Mumbai, India, ⁷Wellstar Spalding hospital, Griffin, Georgia, Griffin, Georgia, United States, ⁸G.M.E.R.S MEDICAL COLLEGE VALSAD, Valsad, India, ⁹Gujarat Adani Institute of Medical, AHMEDABAD, India, ¹⁰Maharishi Markandeshwar Institute of Medical Sciences and Research, Mullana, Ambala, Haryana, India (133207), Haryana, India

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Longitudinal Recovery after Intracerebral Hemorrhage: Insights from BASIC Study

Muhammad Zia ul Haq¹, Madeline Kwicklis³, Darin B. Zahuranec⁴, Lewis B. Morgenstern⁵, Lynda D. Lisabeth²

¹University of Michigan, Ann Arbor, Michigan, United States, ²UNIVERSITY MICHIGAN, Ann Arbor, Michigan, United States, ³University of Michigan, Ann Arbor, Michigan, United States, ⁴UNIVERSITY OF MICHIGAN, Ann Arbor, Michigan, United States, ⁵UNIV OF MICHIGAN, Ann Arbor, Michigan, United States