

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	MP1-6
MP02	Hypertension	MP7-12
MP03	Sleep Behavior and Sleep Disorders	MP13-18
MP04	Social Determinants of Health and Health Equity	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	MP25 - 30
MP06	Cardiometabolic Health and Disorders	MP31- 36
MP07	Diabetes	MP37- 42
MP08	Biomarkers	MP43- 48
MP09	NHLBI posters (Part of a Satellite event – posters not listed below)	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	MP55-60
MP11	Women's and Maternal Health	MP61 -66
MP12	Aging and Brain Health	MP67-72
MP13	Physical Activity	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

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

MP06

The Mediterranean-type diet is associated with better cognition in older Asian Americans and Canadians: results from the Asian Cohort for Alzheimer's Disease study

Sofia Son¹, Wai Haung Yu², Jennifer Yokoyama³, Badri Vardajaran¹, Dolly Reyes-Dumeyer¹, Pei-Chuan Ho⁴, Donghe Li⁵, Yuan Xie¹, Fangcong Chen¹, Katee Yang¹, Khai Nguyen⁶, Joshua Grill⁷, Howard Feldman⁶, Ging-Yuek Hsiung⁸, Yun-Beom Choi⁹, Guerry Peavy⁶, Marian Tzuang³, Yeunjoo Song⁹, Hye-Won Shin⁷, Namkhue Vo⁶, Rohit Varma¹⁰, Mina Torres¹⁰, Hyun-Sik Yang¹¹, Collin Liu¹², Boon Lead Tee³, Huen Nicole Ling³, Guanxue Chen³, Kelley Faber¹³, Zoe Potter¹³, Tatiana Foroud¹³, Richard Mayeux¹, Gyungah Jun⁵, Van Park³, Li-San Wang⁴, YIAN GU¹

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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

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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

MP16

Metabolomics Reveal Potential Pathways Linking Electroencephalographic Delta Power During Deep Sleep to Cardiovascular Disease

Kristen Knutson¹, Carolina Mendes Pessoa¹, Havisha Pedamallu¹, Tamara Taporoski¹, Felipe Beijamini², Shaina J. Alexandria³, Malcolm von Schantz⁴, Alexandre Pereira⁵

¹Northwestern University, Chicago, Illinois, United States, ²Federal University of Fronteira Sul, Realeza, Realeza, Brazil, ³Northwestern University, Chicago, Illinois, United States, ⁴Northumbria University, Newcastle upon Tyne, United Kingdom, ⁵BWH, Rochester, Minnesota, 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, ⁵VANDERBILT UNIVERSITY MED CENTER, Nashville, Tennessee, United States, ⁶VANDERBILT UNIVERSITY MED CENTER, Nashville, Tennessee, United States, ⁷VANDERBILT UNIVERSITY MED CENTER, Nashville, Tennessee, United States, ⁸VANDERBILT UNIVERSITY MED CENTER, Nashville, Tennessee, United States, ⁹VANDERBILT UNIVERSITY MED CENTER, Nashville, Tennessee, United States

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

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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

MP21

Neighborhood Structural Racism and Cardiovascular Risk Factors and Diseases in the United States

Wayne Lawrence¹, Hyokyoung Hong¹, Jennifer K. McGee-Avila¹, Neal Freedman², Zachary Dyer³, Faustine Williams⁴, Cameron K. Ormiston⁵, Catherine Pichardo², Yingxi Chen¹, Sarah S. Jackson¹, Cameron Brady Haas¹, Eduardo Santiago-Rodriguez², Nyahne Bergeron¹, Meredith Shiels¹

¹Division of Cancer Epidemiology and Genetics, National Institutes of Health, Bethesda, Maryland, United States, ²Division of Cancer Control and Population Sciences, National Cancer Institute, Bethesda, Maryland, United States, ³University of Massachusetts, Worcester, Massachusetts, United States, ⁴National Institute on Minority Health and Health Disparities, Bethesda, Maryland, United States, ⁵Department of Medical Education, Icahn School of Medicine at Mount Sinai, New York, New York, 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 Scien, 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

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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 Alexeff¹, 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

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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

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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

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MP38

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

Alexander Sergeev

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MP39

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

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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

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MP41

Serial mediations of perceived neighborhood social cohesion and safety on the association between perceived stress, depression, and c-reactive protein and type 2 diabetes: The Midlife in the United States III

Kosuke Tamura¹, Mohammad Moniruzzaman¹, Breanna Rogers¹, Yangyang deng¹, Lu Hu², Ram Jagannathan³

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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

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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

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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

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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

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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

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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

MP55

Prevalence of Cardiovascular-Kidney-Metabolic Syndrome in Korea: Korea National Health and Nutrition Examination Survey 2011-2021

Ji-Eun Kim¹, Sung-Bin Hong², Seung Seok Han³, Joe Shearer¹, Jungnam Joo⁴, Veronique L. Roger¹, Ji-Yeob Choi²

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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

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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

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MP59

Global, Regional, and National Burden of Aortic Aneurysm Disease and Its Attributable Risk Factors in 204 Countries and Territories, 1990–2021: A Systematic Analysis for the Global Burden of Disease Study 2021

Yue Zhuo², Danni ZHAO³, Zhou Zhou³, Chang Shu¹

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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

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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

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MP62

Health Behaviors Among Nulliparas With Planned and Unplanned Pregnancies

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

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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

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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

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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

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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

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MP12. Aging and Brain Health

Poster Moderator: Navin Kaushal, PhD, FACSM, FAHA

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

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MP68

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

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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 ENOGELA¹, Lisandro D. Colantonio², Emily B. Levitan³, Parag Goyal⁴, Madeline R. Sterling⁵, Monika M. Safford⁶, Ying Wen¹, Mojisola Fasokun¹, Barrett Bowling⁷

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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 Rodriquez¹, Christian Alvarez Privado², Laura Dwyer-Lindgren⁴, Ali Mokdad⁴, George A. Mensah³, Eliseo J. Perez-Stable²

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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

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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

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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

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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

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MP75

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

Danielle Davis², Priya Gajjar¹, Matthew G. Nayor²

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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

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MP77

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

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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

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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

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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

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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
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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

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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
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P1009

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

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P1010

Prediction Algorithms of Sarcopenia in US Older Adults

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

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

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

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

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PS01.02 Arrhythmia/Sudden Death

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

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

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

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

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

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

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

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

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

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

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Metabolic Syndrome Reduction Through Lifestyle Modification in West Chicago

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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

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

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

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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

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

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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

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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

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

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

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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

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

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

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

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Association Between Metabolic Syndrome and Carotid Atherosclerosis in a Rural Chinese Population

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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

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

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

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

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PS01.05 Childhood and Youth

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

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

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

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

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

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

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

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

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

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Examining Biomarkers for Dyslipidemia by CDC's Extended BMI Percentiles in US Youth Aged 6-17 Years

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Hypertension Screening in Children and Adolescents: A Global Policy Analysis

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

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

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

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

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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)

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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

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

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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

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

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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

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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

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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

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

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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
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Underutilization of Novel Guideline-Directed Medical Therapy in Patients with Heart Failure
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Optimizing Blood Pressure Control Strategies with Real-Time Data in Community Health Centers
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Assessing Health Literacy and the Role of Race and Social Determinants in Cardiac Patients.
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Computer-based Technology Enhancing Cardiovascular Disease Risk Assessment by Health Workers in Rural Communities in Thailand: A Preliminary Analysis

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Expanding Methods and Frequency of Communication to Increase Lab Compliance Rates in the New Preventive Cardiology Patient Population

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

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Association of Poverty with Pharmacy Access in Minnesota

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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

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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

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Urine Metabolomic Profiles Associated with Incident Heart Failure in Older Adults

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Estimating the Burden of Undiagnosis HFpEF in the Community

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Religiosity and Risk of Heart Failure in the Southeastern 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

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

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All-cause and Cardiovascular Mortality among US Adults with preclinical heart failure: National Health and Nutrition Examination Survey 1999-2018

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

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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

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

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

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

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

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

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

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

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Protein Risk Scores and Mortality in Heart Failure: generalizability across populations

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

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Serum Metabolites and Heart Failure Risk: the Multi-Ethnic Study of Atherosclerosis and the Rotterdam Study

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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

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Risk of Incident Heart Failure by Gender Identity among US Veterans

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

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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

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

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

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

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

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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

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

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

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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

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

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

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Periconceptional DASH Diet and Adverse Pregnancy Outcomes:

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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

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

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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

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PS01.11 Physical Activity and Sedentary Behavior 1

P1117

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

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Association Between Moderate Physical Activity and Perceived Risk for Heart Disease

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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

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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

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P1121

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

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

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

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

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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

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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)

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

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

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

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

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

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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

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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.

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

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

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

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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

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

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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)

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

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

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

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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

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

Frederique Bernier-Bergeron, Jacques Plouffe, Patricia Blackburn
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Feasibility of a Culturally-tailored Diet and Physical Activity Intervention for Zimbabwean Immigrants in the US

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

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

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

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

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

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PS01.14 Subclinical Cardiovascular Disease

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

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

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

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

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

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

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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

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Agreement of Non-Invasive Devices that Measure Pulse Wave Velocity: VaSera vs VICORDER
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Aortic Arch Calcification Improves Cardiovascular Event Risk Stratification Among Individuals With a History of Cigarette Smoke Exposure

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

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Tobacco Consumption Diminishes Left Ventricular Tissue Oxidation And Performance Among Community Older Adults.

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

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PS01.15 Women's Health

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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
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Sex Differences in Cardiovascular Risk Factors among Cardiac Rehabilitation Participants

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

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

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

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

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Postpartum Care in Hypertensive Disorders of Pregnancy: Exploring Factors Affecting Follow-Up
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Lifestyle interventions for prevention of cardiovascular disease among mothers of young children: a scoping review
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Spanish-Language Health Promotion Education Does Not Reduce Carotid-Femoral Pulse Wave Velocity in Cohort of Midlife Latinas
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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
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Opportunities for Intervention: Mental Health and Cardiovascular Health Literacy in Women – Insights from the Research Goes Red Initiative
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Endometriosis diagnosis, staging, and typology in relation to inflammatory cytokines
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Endometriosis diagnosis, staging, and typology in relation to dyslipidemia

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

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Friday, March 7, 2025

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P2001

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

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P2002

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

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P2003

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

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P2004

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

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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

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P2006

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

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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

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P2008

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

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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

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P2010

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

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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

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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

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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
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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

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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

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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

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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

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PS02.03 Drugs, Alcohol and Tobacco Use

P2019

Alcohol Use and Cardiovascular Health: A Target Trial Emulation

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P2020

Alcohol Use and Hypertension in the Eastern Caribbean

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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

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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

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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

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P2025

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

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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

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P2028

Air Pollution Induces Atrial Fibrosis via CARD9-Mediated Immune Response

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P2029

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

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P2030

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

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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

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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
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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

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P2034

Associations Between Personal Care Products And Hypertension Among U.S. Women From The Sister Study

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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

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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

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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, Soheli Choudhury⁵, Mahfuzur Rahman Bhuiyan⁶, Andrew Moran¹¹, Yvonne Commodore-Mensah⁹, Tammy Brady¹, Lawrence J. Appel⁷, Kuni Matsushita⁸, Matti Marklund¹⁰

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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

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P2039

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

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PS02.06 Health Equity and Social Justice

P2042

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

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P2043

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

Marcus Andrews, Dana Sandler, Shirley Lopez de Leon, Tiffany Powell-Wiley
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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
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P2045

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

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P2046

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

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P2047

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

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P2048

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

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P2049

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

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P2050

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

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P2051

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

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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
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P2053

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

Ben T. Varghese, Hieu Truong, Laith Sorour
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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

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P2055

Long-term cost-effectiveness analysis of image-based fractional flow reserve, wire-based fractional flow reserve and angiography guidance strategies for guiding percutaneous coronary intervention in China: a Markov model.

Chilie Danzeng¹, Duoer Wang¹, Yingxuan Zhu¹, Yilin Huang¹, Lei Song², Changdong Guan², Miao Wang², Xiaoying Lin¹, Qize Li¹, Ru Jiang¹, Yanyan Zhao¹, Yang Wang¹

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P2056

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

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P2057

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

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PS02.08 Hypertension 1

P2058

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

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P2059

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

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P2060

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

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P2061

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

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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

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P2064

Comparing East and South Asian population-specific blood pressure trajectories and their associations with cardiovascular disease risk

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P2065

A Comparative Study Of Social Determinants, Hypertension, And Life Essential Factors In Alabama And Colorado From The 2021 Behavioral Risk Factor Surveillance System

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P2066

Measured Raised Blood Pressure, Its Awareness and Control in the Adult Population: the Italian Health Examination Survey 2023-2024 - CUORE Project

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P2067

Artificial Light at Night and Asleep Blood Pressure in Black Adults

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Prevalence of blood pressure control among adults with hypertrophic cardiomyopathy and hypertension

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P2069

Racial Differences in the Impact of Elevated Systolic Blood Pressure on Incident Cognitive Impairment (ICI) Risk: The REGARDS Study

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P2070

Cardiovascular Health among Adults of African Heritage in the Groceries for Black Residents of Boston to Stop Hypertension (GoFresh) Program

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Effects of Dietary Patterns and Sodium Intake on Blood Pressure Variability: Results from the DASH and DASH-Sodium Trials

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PS02.09 Lipids and Lipoproteins

P2072

Lipoprotein(a) Levels in Premature Versus Non-Premature Atherosclerotic Cardiovascular Disease: The Atherosclerosis Risk in Communities (ARIC) Study

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P2073

The Role of Apolipoprotein(a) Size Polymorphism in Lipoprotein(a) Response to the Reduction of Dietary Saturated Fats in African Americans

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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)

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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

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P2076

Association of High-Density Lipoprotein Cholesterol, Apolipoprotein E and A1 Concentrations With Fetal Growth, Maturation, and Placental Insufficiency

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P2077

The Safety Profile of Inclisiran in Patients with Dyslipidemia : A Systematic Review and Meta-Analysis

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Extreme Lipoprotein(a) Levels and the Hazard of Acute Myocardial Infarction Among Standard Modifiable Cardiovascular Risk Factors in the United States

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P2079

The prevalence and LDL cholesterol levels of familial hypercholesterolemia in an African ancestry cohort.

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P2080

Interrelations between Atherogenic Index of Plasma, Subclinical Myocardial Injury, and Cardiovascular Mortality in the General Population

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P2081

Characterization of Severe Hypercholesterolemia Phenotype within Electronic Health Records

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P2082

Discordance of Small Dense Low-Density Lipoprotein Cholesterol beyond Low-Density Lipoprotein Cholesterol or Non-High-Density Lipoprotein Cholesterol and Carotid Plaque Risk

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P2083

Lower Your LDL Cholesterol Now Initiative: Understanding Survivor LDL Awareness and Behaviors

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PS02.10 Myocardial Infarction

P2084

Independent prognostic factors of mortality in young patients after STEMI

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P2085

Variation in Incident Atherosclerotic Cardiovascular Disease Across Asian American, Native Hawaiian and other Pacific Islander Subgroups: The PANACHE Study

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P2086

Sex and Racial Differences in Prescription Patterns to Guideline-directed Medical Therapy Among STEMI Patients.

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P2087

Sex Disparities in Acute Myocardial Infarction Identification and Treatment.

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Impact Of Geographic Residence And Treatment Modality On Mortality Outcomes Among Adult Patients Diagnosed With Acute Myocardial Infarction

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Heavy coffee consumption is associated with borderline high risk of coronary heart disease - a meta-analysis

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P2090

Comparison of Medicare Claims Recorded and Surveillance Identified Myocardial Infarction in the Strong Heart Study

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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

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P2092

The Association of Change in Circulating Biomarkers of Brain Injury with Cognitive Change and MRI Findings in the Cardiovascular Health Study

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Chronic Kidney Disease Severity and Incident Cognitive Impairment in Patients with Chronic Kidney Disease: Findings from the Chronic Renal Insufficiency Cohort

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P2094

Atrial Fibrillation and Risk of Incident Cognitive Impairment: The Reasons for Geographic and Racial Differences in Stroke (REGARDS) Study

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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

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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)

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P2097

Association of atrial fibrillation with probable dementia in the SPRINT Trial

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The Interaction of Vascular Risk Factors in Midlife and Late-life on Incident Dementia: The Atherosclerosis Risk in Communities Neurocognitive Study

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P2099

Higher Carotid IMT Related to Lower Cognitive Function in Healthy Adults: the i3C DECADE Study

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Longitudinal association between MIND diet adherence, inflammatory mechanism, and cognitive health

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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

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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

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P2103

Associations between the Plasma Proteome and a Polygenic Risk Score for Abdominal Aortic Aneurysm: The Atherosclerosis Risk in Communities Study (ARIC)

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P2104

Prevalence of Hypertrophic Cardiomyopathy Core Gene Variants in Hispanics/Latinos: A Study from The Hispanic Community Health Study / Study of Latinos (HCHS-SOL)

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P2105

Polygenic risk scores for obstructive sleep apnea relying separately on BMI- adjusted and - unadjusted genetic associations reveal separate pathways of cardiovascular disease risk

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PS02.13 Omics (Non-Genetic)

P2106

Serum Metabolomic Markers of Dietary Potassium and Incident Chronic Kidney Disease Risk

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P2107

Sex-Specific Associations of Plasma Proteins with HF Risk: The Atherosclerosis in Communities (ARIC) Study

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P2108

Longitudinal Changes of Chemical Exposome on Blood Pressure after Bariatric Surgery among Adolescents

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P2109

Sex Differences in the Plasma Metabolome Before and After Exercise Training

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P2110

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

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P2111

Analysis of C-reactive protein omics-measures associates methylation risk score with obstructive sleep apnea-related measures

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P2112

Longitudinal Associations Between the Microbiome and Glucose Homeostasis Over Time in The Microbiome and Insulin Longitudinal Evaluation Study (MILES)

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P2113

Metabolomic signatures of Puerto Rican dietary patterns and associations with cardiometabolic risk

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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

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P2115

Spatiotemporal Transcriptomics Analysis Of Central Venous Stenosis Suggests TNF-alpha As A Potential Therapeutic Target In Chronic Kidney Disease Rats

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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)

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Associations of cardiac biomarkers with physical activity and sedentary behavior in postmenopausal women

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P2118

Marital status is associated with meeting the aerobic physical activity guideline in Latino men

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P2119

MESA Heart Failure Risk Score: Trajectory and LE8 Healthy Behavior Impact in Brazilian Adults
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P2120

Assessing the Accuracy of OpenStreetMap Sidewalk Data: A Comparative Study with Google Street View

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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)

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P2122

Occupational Physical Activity and Mortality Risk: Evidence from a Nationally Representative U.S. Sample (NHANES 1999-2006)

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P2123

Feasibility and acceptability of *Boost Your Balance*: A digital Intervention to improve balance confidence and reduce fall risk in older women

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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

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P2125

Association of Gender with Self-reported Physical Activity Among Younger Persons After a Myocardial Infarction

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Physical Activity, Inflammation, and Cardiometabolic Risk in Diabetic Kidney Disease: A Population-Based Study

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P2127

AHA Life's essential 8 and ideal cardiovascular health among adult swimmers

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Can We Swim Our Way to Better Health? A Cross-sectional National Survey

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A scoping review comparing individual and multi-level physical activity interventions in rural women in the United States

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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

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P2131

The Association between Leisure Activities and the Risk of Cardiometabolic Multimorbidity among Older Chinese Adults

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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

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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

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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.

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P2135

Nicorandil improves health status outcomes in patients with angina pectoris: a prospective, multicenter, cohort study (GREAT)

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Prognostic Value of the Six-Minute Walk Test in Patients with Hypertrophic Cardiomyopathy

Yu Zhang, Leqi Wang, lei song

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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

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Depressive symptoms during late pregnancy are associated with higher cardiovascular disease risk 2-7 years after delivery.

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Childhood Parental Incarceration and Adverse Pregnancy Outcomes

Nicole Fields³, Jaclyn D. Borrowman¹, Natalie Cameron⁵, Sadiya S. Khan⁴, Mercedes R. Carnethon², Amanda M. Perak⁷, Kiarri N. Kershaw⁶, Donald M. Lloyd-Jones³, Nia Heard-Garris²

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Prevalence and Trends in Pre-Pregnancy Hypertension Among Hispanic Ethnic Groups from 2018-2022

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Changes in Cardiovascular Health in Midlife Following a Pregnancy Complicated by Preeclampsia and/or Placental Maternal Vascular Malperfusion Lesions

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Developing a Targeted Educational Intervention Addressing Barriers to Home Blood Pressure Monitoring for Pregnant People with Hypertensive Disorders of Pregnancy

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Hypertensive disorders of pregnancy (HDP) and cardiovascular disease (CVD) in American Indians: The Strong Heart Family Study (SHFS)

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Adverse Pregnancy Outcomes – Planning for Fourth Trimester Interventions to Promote Equitable Long-Term Cardiovascular Health

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The Duration of Expectant Management During Hypertensive Disorders of Pregnancy and Blood Pressure 2-7 Years After Delivery

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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
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P2146

Multiple Pathways of CD34⁺ Cell Differentiation during Embryogenesis

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PS02.18 Sleep Behavior and Sleep Disorders

P2147

Descriptive Analysis of the Reinforcing Essentials of Sleep for Teens Program: Findings from a Pilot Study

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Adverse Childhood Experiences are Associated with Poor Sleep Among Racial and Ethnic Minoritized Patients with Recent Myocardial Infarction

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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

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Good Sleep Health Is Associated With Better Cardiometabolic Health In Adolescents: A Multidimensional-Multimethod, Factor-Analytic Approach

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Sleep-related Behaviors in Childhood and Adulthood Sleep Health in relation to Adulthood High Blood Pressure among Young Black Women

Bethany Ogbenna, Symielle Gaston, Rupsha Singh, Philip Zendels, Jamie A. Murkey, Quaker Harmon, Chandra Jackson

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Correlates of Sleep Health in Women of the Coronary Artery Risk Development in Young Adults (CARDIA) Study

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P2155

Food Insecurity and Sleep Duration among Hypertensive Patients in Jamaica

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PS02.19 Social Determinates of Health

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Association between social support and clinical outcomes in older adults with chronic kidney disease

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Social Determinants of Health and Health Behaviors Among Adults with Multiple Chronic Diseases: The LINKED-HEARTS Program

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Neighborhood poverty, John Henryism, and incident cardiovascular disease events in the Jackson Heart Study

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The Association Between Neighborhood Social Cohesion and Incident Hypertension Among Older Adults in the US Health and Retirement Study

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Exploring Racial and Ethnic Disparities in the Social Determinants of Health among Participants in a Hypertension Prevention Trial, the LINKED-BP Program

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P2161

Validation Of a Novel Method to Evaluate Local-scale Community-based Interventions That Improve Access to Fruits and Vegetables

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P2162

Contributions of life-course socioeconomic position to later-life MRI measures of vascular brain injury: Results from SOL-INCA-MRI

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P2163

Healthcare Avoidance due to Anticipated Racial Discrimination among Racial and Ethnic Minority Adults with Hypertension

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Association of neighborhood environment characteristics and suboptimal cardiovascular health based on Life's Essential 8 among young adults in Puerto Rico

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P2166

Neighborhood-level socioeconomic deprivation associates with monocyte phenotypes involved in atherogenesis: Results from the Multi-Ethnic Study of Atherosclerosis (MESA)

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Racial and Ethnic Disparities in Neighborhood Socioeconomic Status Associated with Cardiovascular Disease and Stroke

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PS02.20 Surveillance

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Descriptive Relationships between Respondent Characteristics, Opioid-related Mortality, and Cardiometabolic Disease Mortality in the National Longitudinal Study of Adolescent to Adult Health (Add Health)

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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

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P2170

Mortality Rates Vary for Cardiovascular Disease Subtypes among Adults in Disaggregated Asian Groups—United States, 2018–2022

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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

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P3002

Hypoalbuminemia genetic variants are associated with higher cholesterol levels but not atherosclerotic heart disease

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P3003

Development and Validation of Equations to estimate 24-hour Urinary Creatinine Excretion for Brazilian Population

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P3004

Plasma and Serum Water T₂ are Strong Predictors of Cardiometabolic Health: Implications for Point-Of-Care Screening

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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

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P3006

Glycemia and Lipids Profiles Levels, Awareness and Control in the Adult Population: the Italian Health Examination Survey 2023-2024 - CUORE Project

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P3007

Relationship between ET-1 Gene Polymorphism rs5370 and Cardiovascular Disease among Hispanics Using All of Us data

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P3008

Plasma Proteomic Signatures Of Organ Aging Are Not Responsive To Exercise Training: HERITAGE Family Study

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P3009

Biomarkers and Risk of Cognitive Impairment in Atrial Fibrillation: The Reasons for Geographic and Racial Differences in Stroke (REGARDS) Cohort

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P3010

Association of sedentary behavior with cardiovascular risk biomarkers in a population with overweight or obesity: the PREDIMED-Plus trial

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Empirically derived biomarker patterns in the REasons for Geographic and Racial Differences in Stroke Study

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P3012

Increased Circulating Concentrations of Soluble Cell Adhesion Molecules and Fibrin-D-Dimer in Adults with Periodontal Disease

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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

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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

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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. Daviglus³, Amber Pirzada³, Daniela Sotres-Alvarez², Christina Cordero⁵, Frank Penedo⁵, Robert Kaplan¹

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P3016

Blood Pressure Measures are Not Associated with Early Metabolic Imbalance: The U.S. National Health and Nutrition Examination Survey

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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)**

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P3018

Spanish Language Preference is not associated with Prediabetes Risk among Hispanic Adolescents with Overweight or Obesity in an Integrated Healthcare System

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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

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A prognostic molecular signature of hepatic steatosis is spatially heterogeneous and dynamic in human liver

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Inflammatory Metabolomic Profiles are Associated with Increased Cardiovascular Disease Risk in Women

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Plasma Lipidome is Associated with 10-Year Risk of Incident Diabetes in the Coronary Artery Risk Development in Young Adults (CARDIA) Study

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Phenotypic vs. Genetic Mismatch of Body Mass Index and Its Risk Factors: Evidence from the China Kadoorie Biobank and the UK Biobank

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Evaluating the Correlation Between Urinary Microalbumin (ACR), Serum C-Reactive Protein (CRP), and Cardiovascular Risk Markers in Type 2 Diabetes Mellitus

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Prevalence of Cardiac Arrhythmias by Cardiovascular-Kidney-Metabolic Syndrome Stage: The Atherosclerosis Risk in Communities Study

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Changes in Sarcopenia Status and Risk of Incident Cardiovascular Disease

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Dietary patterns, serum metabolites and risk of cardiovascular disease in the US Hispanic/Latino adults: the Hispanic Community Health Study/Study of Latinos

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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

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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

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The Role of Life's Crucial 9 in Cardiovascular Disease Incidence and Dynamic Transitions to Dementia

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Low Intrinsic Capacity and Cardiometabolic Multimorbidity Are Jointly Associated with a Higher All-cause Mortality Risk Among Chinese Older Adults

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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

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Plasma branched-chain amino acid levels and cardiovascular disease risk factors: a longitudinal analysis of a lifestyle trial

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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

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Predicting Risk of Obesity-Related Outcomes in People with Obesity or Overweight: the Role of Social Risk Factors

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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

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Height Shortening from Midlife to Late-life and Subsequent Risk of Cardiovascular Outcomes: the Atherosclerosis Risk in Communities (ARIC) Study

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A New Biomarker of Aging Derived From Electrocardiogram Improves Risk Prediction of Incident Myocardial Infarction and Stroke.

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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

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Association of Urine Metabolites with All-Cause and Cause-Specific Mortality: The Atherosclerosis Risk in Communities (ARIC) Study

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PS03.04 Diabetes

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Trends and Disparities in Self-Reported Health Among US Adults with Diabetes: NHANES 2001-2018

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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

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Co-occurring immigrant-related sanctuary policies in U.S. and receipt of antidiabetic prescriptions
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Symptoms of Hypoglycemia in Older Adults With and Without Diabetes

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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).

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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

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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

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Metabolic Measures and Incident Cardiovascular Disease and Mortality: A Pooled Analysis of Multi-ethnic NHLBI Cohorts

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Diabetes Incidence Before and After the COVID-19 Pandemic Shelter-in-Place Mandate in Adults with Prediabetes

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Longitudinal trends in glucose and hearing loss in midlife: The Coronary Artery Risk Development in Young Adults (CARDIA) Study

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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

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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)

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Psychosocial and behavioral Risk Patterns and Risk of Cardiovascular Complications in People with Type 2 Diabetes

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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

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A Metabolomic Study of Cardiac Dysfunction in Hyperglycemia

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Interactions Between Coffee Consumption and Genetic Pathways Uncover Biological Mechanisms Related to Type 2 Diabetes Risk Reduction

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Social determinants of health correlates and atherosclerotic cardiovascular disease risk among older adults in Baltimore: The engAGE with Heart Study

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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)

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A Measure of Residential Segregation and Thrombo-inflammation in Black and White Americans

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Uncovering Neighborhood-Level Inequities in Access to Transthoracic Echocardiograms

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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

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Community Partner Engagement Preferences and Needs Across the RESTORE Health Equity Research Network

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Socioeconomic adversity is associated with type 2 diabetes in a Mexican American border population

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Unveiling Sex-Specific Disparities in Cardiovascular Risk Factors Among Asian American Ethnic Subgroups

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Barriers and Recommendations to Improve Engagement in Workplace Health Programs for Low-Wage Hospital Workers

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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

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Impact of the Delta index, a Measure of Residential Segregation, on Hypertension Risk Among Black and White Women and Men

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PS03.06 Hypertension 2

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Effect of cocoa extract supplementation on incident hypertension in the COSMOS trial

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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

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Trends in blood pressure among Veterans who initiated antihypertensive medication from 2014 to 2020

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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

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Racial/Ethnic Disparities in the Hypertension Control Cascade Among U.S. Young Adults

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Metabolomic Insights into Meat Consumption and Blood Pressure: The INTERLIPID Study

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Diet quality and risk of hypertension in women cancer survivors

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Incident hypertension by biomarker patterns: REasons for Geographic and Racial Differences in Stroke (REGARDS) study

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Pro-Enkephalin A and Risk of Incident Hypertension: The REasons for Geographic and Racial Differences in Stroke (REGARDS) Study

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Long-Term Sustainability of a Hypertension Control Initiative

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Proton Pump Inhibitor Use and Incident Hypertension in Postmenopausal Women: Results from the Women's Health Initiative.

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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

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Evaluation of Blood Pressure Management Practices Among Non-Cardiovascular Physicians in Zhejiang Province, China

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Pregnancy heavy metal, essential element, and micronutrient mixtures and mid-life blood pressure and hypertension: findings from a prospective U.S. pregnancy cohort study with two decades of follow-up

Mingyu Zhang¹, Izzuddin Aris², Andres Cardenas³, Sheryl L. Rifas-Shiman², Pi-i Lin², Long H. Ngo¹, Emily Oken², Marie-France Hivert², Stephen P. Juraschek¹

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PS03.07 Methodology and Data Science

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Characterization of the Course of Heart Disease using Multimorbidity-adjusted Life Year (MALY): A Multi-state Non-Markov Framework

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Yield of Various Recruitment Approaches for an Observational Cohort of Patients with Heart Failure with Preserved Ejection Fraction: A Single Center Experience from HeartShare

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Influence of the 5-minute Rest Period on Home Blood Pressure Monitoring in Postpartum Women

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Future Heart Motion Measurements in Deep Learning-based Predictive Imaging

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Comparison of Self-Reported and Adjudicated Cardiovascular, Stroke and Pulmonary Events in the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)

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Neighborhood characteristics and incident myocardial infarction in US older adults: evaluation in two nationwide cohorts

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Predicting Reductions In Hemoglobin A1c From Large Dietary Datasets Using Artificial Intelligence Pipeline With Interpretable Encoder-Decoder Deep Neural Networks

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PS03.08 Mobile Health Technologies and Wearables

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3-Minute Heart Health App: A Feasibility Study

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Participant Perceptions of Diet-Related Feedback Messages: Insights from the SMARTER Trial Focus Groups

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Improvements in Hemoglobin A1c among Diabetic and Prediabetic Participants of a Mobile Health Cardiovascular Program

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Impact of Health Technology on Cardiopulmonary Resuscitation Trainings, Globally: A Narrative Review

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Digital Cardiovascular Health Promotion Among Adolescents In Nepal

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Disparities can be exacerbated by new technology for tracking physical activity

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Barriers Associated with The Use of Smart Blood Pressure Monitors Among Minority Older Adults

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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

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Differences in Diet Quality Across US Census 2020 Regions: A Secondary Analysis in the Women's Health Initiative

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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

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Associations of maternal salt intake with low birth weight and small for gestational age in a large cohort

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Predictive Modeling of Glycemic Variability and its Association with Metabolic Health: A Precision Nutrition Approach Using Korean National Data

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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

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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

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Assessment of Dietary Recall Plausibility Using an Updated Formula that Considers Energy Intake Measured by Doubly-Labeled Water

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Joint Effect of Oral Health and Dietary Diversity on Cognitive Impairment Among Chinese Adults 65 Years or Older

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Association Between Diet Quality, Hypertension, And Hypertension Awareness Among Adults In Puerto Rico

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Relationship between adherence to Canada's Food Guide 2019 and the risk of cardiovascular disease in Canada: A Protocol

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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.

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Exploring the Interplay of Plant-Based Diets, Microbiota, and Metabolites: Implications for Cardiovascular Disease Prevention

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Objective overeating by chronic stress level among men and women in the Hispanic Community Health Study/Study of Latinos

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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)

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OBESITY RELATED CARDIOVASUCLAR MORTALITY IN ASIAN AMERICANS

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Impact of MRI Body Fat Imaging Report on Obesity-Related Cardiometabolic Risk: Findings From The BODY-REAL Study

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Measured Obesity and Overweight in the Adult Population: the Italian Health Examination Survey 2023-2024 - CUORE Project

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Summary Measure of Social Determinants of Health/Health Equity and Obesity among Mississippi Adults

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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

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Association of Body Roundness Index (BRI) with Left Ventricular Mass and Geometry: The Framingham Heart Study

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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

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Increased Trunk Fat and Decreased Limb Fat Correlate with Adverse Blood Lipid Profiles: Evidence From the MECH-HK Cohort

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Obesity and the Risk of Advanced Stages of Cardiovascular-Kidney-Metabolic Syndrome among Obstructive Sleep Apnea Patients

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Temporal Changes in Blood and Fecal Metabolites and Fecal Microbiome After Bariatric Surgery

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Pericardial Adipose Tissue Outperforms BMI in Predicting Adverse Cardiac Outcomes in Severe Obesity

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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

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Association between comprehensive healthy lifestyle with risk of cardiovascular disease and mortality in hypertension patients with abnormal weight: a prospective cohort study of PURE-China

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A Community-Based Intervention to Improve Cardiovascular Health Understanding in the Dallas-Fort Worth South Asian Community

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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

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Statins and Insulin Resistance in a Pediatric Preventive Cardiology Practice

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Epigenetic gestational age predicts subclinical atherosclerosis measures from childhood through adulthood

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Peer Coaching Improves Cardiac Rehabilitation Participation and Reduces Perioperative Challenges in Cardiac Surgery Patients: A Pilot Study

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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

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Cardiovascular Health Levels and Incident Cardiovascular Event Risk in Individuals with Autoimmune Diseases

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Semaglutide Versus Liraglutide and Incidence of Diabetes and Cardiovascular Disease: an Analysis of Real-World Data

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PS03.12 Psychosocial Factors

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Associations Between Cardiovascular Health, Stress, and Emotional Intelligence in First-Year Medical Students; Cross-Sectional Study

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Association between resilience and health status among adults after myocardial infarction

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Psychological Factors and Coronary Atherosclerosis Progression in the Multi-Ethnic Study of Atherosclerosis

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Experiences of Discrimination in the Healthcare Setting and the Impact on Healthcare Utilization among Black Adults with Hypertension

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Healthcare Services Utilization Is Associated With Depression Among College Students

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Association Between Social Support and Health Status Among Adults After Myocardial Infarction

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Psychological Health and Life's Essential 8 Cardiovascular Health Risk among Women of Reproductive Age

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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

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The Association of Psychosocial Factors with Diet Quality in a Puerto Rican Adults

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Association Between Perceived Discrimination and Depression/Anxiety Symptoms

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PS03.13 Public Health

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Variation in Cerebrovascular Disease Mortality among Asian American Ethnic Subgroups

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Racial Disparities in the Association of Adiposity Measures with Cardiovascular Disease Mortality

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Prevalence of Self-Reported Depression among Jackson State University African American Students, Data from a 2023 Cross-Sectional Survey

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Association of Triglyceride-Glucose index and Vascular Aging with Cardiovascular Diseases in China: PURE cohort study

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Association of Bone Mineral Density with Progression and Incidence of Aortic Calcification: the ERA JUMP Study

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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

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Association Between Life's Essential 8 and Cardiovascular Disease by Depression Status

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Cost-Effectiveness of Dietary Salt Reduction and Universal Screening Programs to Control Hypertension in US Young Adults

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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

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Out-Of-Hospital Pediatric Cardiac Arrest, Survival, And Associated Factors – A Systematic Review And Meta-Analysis

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Socio-Demographic Disparities in the Management Modalities of Pulmonary Embolism Amongst COVID-19 Patients: A Retrospective Population-Based Study

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Cardiovascular Kidney Metabolic Syndrome Stage Prevalence varies by Asian Subgroup

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Traumatic Brain Injury and Risk of Early Onset Dementia: A Population-Based Cohort Study and Meta-analysis.

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Sex-specific association patterns of childhood maltreatment across TyG and TyG-BMI indices in young adults

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Long-term and recurrent antibiotic use during early life is associated with incident cardiovascular disease during adulthood

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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

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Discrimination in Healthcare is Associated with Increased Stroke Risk among Older Adults in the United States

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Polysocial Determinants of Depression, Phenotypic Classification, and Prognostic Implications: An International Multicohort Study

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Social Determinants of Health Among Rural Underserved Patients with Uncontrolled Hypertension

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Impact of Neighborhood Disadvantage on Neuroimaging and Plasma Biomarkers associated with Alzheimer's Disease and Related Dementias

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Summary Measure of Social Determinants of Health/Health Equity and Stroke Burden among Mississippi Adults

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Fatherhood is associated with biological aging among men in the Coronary Artery Risk Development in Young Adults (CARDIA) study

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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

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Association Between Rurality and Socioeconomic Status on Acute Myocardial Infarction Hospitalization Among Medicare Beneficiaries

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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

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Identifying moderate to severe food insecurity among hypertensive patients in a low and middle-income Caribbean country

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Socioeconomic Adversity and Kidney Impairment in a Mexico-US Border Population

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Type A Behavior Pattern and Incident Stroke: REasons for Geographic and Racial Differences in Stroke (REGARDS) Study

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Stroke Risk Associated with Atrial Fibrillation in the General Population: A Systematic Review and Bayesian Meta-Analysis

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The Benefits of Probiotic Administration in Stroke Risk, Stroke-Related Gastrointestinal Complications, and Intestinal Flora Dysbiosis: A Meta-Analysis

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Navigating Stroke Recovery: The Association of Insurance Coverage on Hospital Discharge Disposition in Rural versus Urban Settings in North Carolina

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Burden of Stroke Attributable to Air Pollution in India and its Trend from 1990-2021: A cross State Comparative Assessment

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Longitudinal Recovery after Intracerebral Hemorrhage: Insights from BASIC Study

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