All Poster Sessions take place in Salon D on the lower level of the hotel

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<td>Methodology and Data Science</td>
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<td>Mobile Health Technology and Wearables</td>
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Kara M. Whitaker, PhD, MPH, FAHA, FACSM

| MPS12 | Global Health | MP67-72 | Moderator: Camille Lassale, PhD |
| MPS13 | Environmental Exposures | MP73-78 | Moderator: Kelsie M. Full, PhD, MPH |

Note: presenters were encouraged to submit ePosters to supplement their printed poster. ePoster viewing will be available starting at 5PM Central March 18. Please visit https://epi.apprisor.org to view ePosters

MONDAY

P01.01 Arrhythmia | Sudden Death

P100
Global Burden of Atrial Fibrillation and Atrial Flutter and Its Trend From 1990-2019 in G20 Countries: Results From the GBD 2019
Krupa ishan MADHU, GMER Medical Coll, Gandhinagar, India; Nmair Alziadin, Portsmouth Regional Hosp, Dover, NH; Khush Dadhania, Hackensack Meridian Mountainside Medical Ctr, Pleasanton, CA; Mallareddy Banala, Univ of Miami, Miami, FL; Vinay Kumar Gadamidi, Virtua Health, Cherry Hill, NJ; Anjani Kumar Thota, Sinai Hosp of Baltimore, Baltimore, MD; Priyatha VEMPARALA, All India Inst of Medical Sciences, Hyderabad, Telangana, India; Anusha Parisapogu, Mayo Clinic, Rochester, MN; Juhi PATEL, G.M.E.R.S Medical Coll Valsad, Valsad, India; Hardik Dineshbhai Desai, Gujarat Adani Inst of Medical Sciences, Affiliated to K.S.K.V Univ, Bhuj, India

P101
The Association Between Residing in a Food Desert and Hypertension in Victims of Sudden Death
Alleigh Wiggs, Andrew Cesmat, The Univ of North Carolina Sch of Med, Chapel Hill, NC; Thibaut Davy-Mendez, The Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Ross J Simpson Jr., Univ NC Heart, Chapel Hill, NC

P102
Costs, Accessibility, and Utilization: Disparities in Anti-Arrhythmic Drug Use in Atrial Fibrillation Patients
Connor Workman, Daniel Won, Northwestern Feinberg Sch of Med, Chicago, IL; James Walker, S. Christopher Malaisrie, Ciaran Kohli-Lynch, Northwestern Univ Feinberg Sch of Med, Chicago, IL

P01.02 Biomarkers

P103
Alterations in Sarcopenia Index Are Associated With Inflammation, Gut and Oral Microbiota Among Heart Failure, Left Ventricular Assist Device and Heart Transplant Patients
Bruno Bohn, Univ of Colorado Anschutz, Aurora, CO; Melana Yuzefpolskaya, Annamaria Ladanyi, Columbia Univ Medical Ctr, New York, NY; Alberto Pinsino, Jacobi Medical Ctr, Bronx, NY; Lorenzo Braghieri, Cleveland Clinic Fndn, Cleveland, OH; Matthew Carey, Kevin
P104
Geospatially Varying Relationships of Green and Blue Spaces With Biomarkers of Stress and Cardiometabolic Risk in Racially and Ethnically Diverse Children

Junia N. de Brito, Univ of Minnesota, Minneapolis, MN; Lan Mu, Allan D. Tate, Univ of Georgia, Athens, GA; Angela Fertig, Mark A. Pereira, Jerica M. Berge, Univ of Minnesota, Minneapolis, MN

P105
Blood Lipids, Lipoproteins, and Apolipoproteins With Risk of Coronary Heart Disease: A Prospective Study Among Multi-Racial Populations

Kui Deng, Vanderbilt Univ Medical Ctr, Nashville, TN; Xiong-Fei Pan, Sichuan Univ, Chengdu, China; Markus W Voehler, Vanderbilt Univ, Nashville, TN; Hui Cai, Qiuyin Cai, Xiao-Ou Shu, Deepak K Gupta, Loren Lipworth, Wei Zheng, Danxia Yu, Vanderbilt Univ Medical Ctr, Nashville, TN

P106
Omega-3 Fatty Acids in Erythrocyte Membranes Are Differentially Associated With Cardiometabolic Risk Factors in Brazilian and Puerto Rican Adults

Lais Duarte Batista, Univ of São Paulo - Harvard T.H. Chan, Boston, MA; Regina Fisberg, Univ of São Paulo, São Paulo, Brazil; Katherine L Tucker, Univ of Massachusetts Lowell, Lowell, MA; Sherman Bigornia, Univ of New Hampshire, Durham, NH; Sabrina E. Noel, UMass Lowell, Westford, MA; William S Harris, Fatty Acid Res Inst, Sioux Falls, SD; Ribanna Aparecida Marques Braga, Nagila T Damasceno, Univ of São Paulo, São Paulo, Brazil; Josiemer Mattei, Harvard T.H. Chan Sch of Public Health, Boston, MA

P107
The DASH Diet Reduces Markers of Subclinical Cardiac Injury Over an 8-week Period: Results From an Individual Level Meta-Analysis

Ben Grobman, Michael Liu, Harvard Medical Sch, Boston, MA; Carol Mita, Countway Library of Med, Boston, MA; Lawrence J Appel, Johns Hopkins Univ, Baltimore, MD; Lara Kovell, UMass Medical Sch, Worcester, MA; Edgar R Miller II, Johns Hopkins Medical Insts, Baltimore, MD; Mingyu Zhang, Harvard Medical Sch, Boston, MA; Ken J Mukamal, Beth Israel Deaconess Medical Ctr, Brookline, MA; Stephen P Juraschek, BIDMC-Harvard Medical Sch, Boston, MA

P108
Stroke Incidence and High Sensitivity C-reactive Protein Among African Americans: The Jackson Heart Study

Cellas Hayes, Stanford Univ, Mountain View, MS; Roland J Thorpe, John Hopkins Univ, Owings Mills, MD; Mandip S Dhamoon, Mount Sinai Sch of Med, New York, NY; Elizabeth Heitman, Univ of Texas Southwestern, Dallas, TX; Keith Norris, UCLA, Los Angeles, CA; Bettina Beech, Marino Bruce, Univ of Houston, Houston, TX; Benjamin Walker, Jennifer C. Reneker, Univ of Mississippi Medical Ctr, Jackson, MS

P109
HDL Cholesterol Confers Exceptionally Strong Cardioprotective and Metabolic Effects in Native Hawaiian and Pacific Islander Populations
Austin Szatrowski, Univ of Chicago, Chicago, IL; Patrick Sun, Indiana Univ, Indianapolis, IN; Yoonseo Lee, Harvard Univ, Boston, MA; George Lord, Univ of Chicago, Chicago, IL; Logan Hallee, Univ of Delaware, Newark, DE; Jerris Hedges, Univ of Hawaii, Honolulu, HI; **Bohdan B Khomtchouk**, Indiana Univ, Indianapolis, IN

**P110**
Biomarkers of Atrial Fibrillation-Related Pathways and Left Atrial Structure and Function in an Overweight and Obese Population
**Linzi Li**, Emory Univ, Atlanta, GA; Dora Romaguera, Insto de Salud Carlos III, Madrid, Spain; Angel M Maria Alonso-Gomez, Osakidetza, Vitoria-Gasteiz, Spain; Estefania Ainhoa Toledo, Univ of Navarra, Pamplona Navarra, Spain; Alvaro Alonso, Emory Univ, Atlanta, GA

**P111**
Pre-Diagnostic Free Testosterone and Estradiol Influence Heart Failure Risk in Both Women and Men: A Prospective Cohort Study in the UK Biobank
**Jungeun Lim**, Maryam Hashemian, NHLBI, Bethesda, MD; Batel Blechter, NCI, Rockville, MD; Veronique L Roger, Jason Y.Y. Wong, NHLBI, Bethesda, MD

**P112**
GlycA Levels in Young Adulthood and Cognitive Function in Midlife: The Coronary Artery Risk Development in Young Adults (CARDIA) Study
**Hongyan Ning**, Konrad Sawicki, Keenan Fine, Norrina B Allen, Donald M Lloyd-Jones, Northwestern Univ, Chicago, IL; Kristine Yaffe, Univ of California, San Francisco, San Francisco, CA; John Thomas Wilkins, Northwestern Univ, Chicago, IL

**P113**
Associations of Immune Cell Subsets With Coronary Artery Calcium Incidence and Progression in the Multi-Ethnic Study of Atherosclerosis
**Riddhi D Patel**, Northwestern Univ Feinberg Sch of Med, Chicago, IL; Petra Buzkova, Univ of Washington, Dept of Biostatistics, Seattle, WA; Sally A Huber, Univ of Vermont, Burlington, VT; Alan Landay, Rush Univ Medical Ctr, Chicago, IL; Matthew Budoff, Univ of California Los Angeles, Los Angeles, CA; Nels C Olson, Russell P Tracy, Univ of Vermont, Burlington, VT; Bruce Psaty, Univ of Washington, Seattle, WA; Margaret Doyle, Univ of Vermont, Burlington, VT; Joseph A Delaney, Alison Fohner, Univ of Washington, Seattle, WA; Matthew J Feinstein, Northwestern Univ Feinberg Sch of Med, Chicago, IL

**P114**
Micro RNAs Associated With Clinical Classifiers of Gender, Race and Ethnicity in the Diabetes Prevention Program
**Benjamin M Stroebel**, Li Zhang, Univ California San Francisco, San Francisco, CA; Bradley E Aouizerat, New York Univ, New York, NY; Kimberly A Lewis, Kayla D Longoria, Meghana Gadgil, Elena Flowers, Univ California San Francisco, San Francisco, CA

**P530**
Thoracic Aorta and Coronary Artery Calcification and Atherosclerotic Cardiovascular Disease Risk in South Asian Americans
**Rachel S Chang**, Feng Lin, Univ of California San Francisco, San Francisco, CA; Shreya Swaminathan, Univ of Southern California, Los Angeles, CA; Matthew J Budoff, Lundquist Inst, Torrance, CA; Nilay S Shah, Northwestern Univ, Chicago, IL; Alka M Kanaya, Univ of California San Francisco, San Francisco, CA
P01.03 Cardio-Oncology

P115
Urban Greenspace and All-Cause, Cardiovascular Disease-Specific, and Breast Cancer-Specific Mortality Among Older Women With Breast Cancer in the United States: Regional Variations Within the Surveillance, Epidemiology, and End Results and Medicare Linked Database
Jean C. Bikomeye, Sergey Tarima, Yuhong Zhou, Jamila L. Kwarteng, Andreas M. Beyer, Tina W. Yen, Medical Coll of Wisconsin, Milwaukee, WI; Aaron N. Winn, Univ of Illinois at Chicago, Chicago, IL; Kirsten M. Beyer, Medical Coll of Wisconsin, Milwaukee, WI

P116
Akashdeep Singh, Univ Sch of Pharmaceutical Sciences Rayat Bahra Univ, Mohali, India; Gurfateh Singh, UIPS Chandigarh Univ, Mohali, India; Ramica Sharma, Univ Sch of Pharmaceutical Sciences Rayat Bahra Univ, UNA, India

P01.04 Clinical Trials and Intervention Studies

P117
Trial Recruitment Advertisement Modalities and Demographics of Participants: Implications for Equitable Representation in Clinical Trials
Jaeyoon Cha, Harvard Medical Sch, Boston, MA; Jingyi Cao, Hannah Col, Beth Israel Deaconess Medical Ctr, Boston, MA; Yuanyuan Feng, Nikhilsai Choppa, Tamunotonye Harry, Univ of Vermont, Burlington, VT; Timothy Plante, UVM Larner Coll of Med, Burlington, VT; Manuel Hermosilla, Johns Hopkins Carey Business Sch, Baltimore, MD; Marwa Elborki, Beth Israel Deaconess Medical Ctr, Natick, MA; Emily Aidoo, Ruth-Alma N Turkson-Ocran, Beth Israel Deaconess Medical Ctr, Boston, MA; Stephen P Juraschek, Beth Israel Deaconess Medical Ctr-Harvard Medical Sch, Boston, MA

P118
Scheduling Recruitment Calls Based on Participant’s Preference Increases Screening Success Among Black Adults
Oluwagbemisola Ibikunle, Harvard Medical Sch, Boston, MA; Ruth-Alma N Turkson-Ocran, Stephanie L Fitzpatrick, Jingyi Cao, Hannah Col, Beth Israel Deaconess Medical Ctr, Boston, MA; Tamunotonye Harry, Yuanyuan Feng, Nikhilsai R Choppa, Timothy B Plante, Univ of Vermont, Burlington, VT; Manuel Hermosilla, Johns Hopkins Carey Business Sch, Baltimore, MD; Marwa Elborki, Emily Aidoo, Beth Israel Deaconess Medical Ctr, Boston, MA; Stephen P Juraschek, Beth Israel Deaconess Medical Ctr, Harvard Medical Sch, Boston, MA

P119
Patient Evaluation of Technology and Coach Interaction in the Maintain Prime Weight Loss Maintenance Trial in Primary Care
Kayla Jordanova, Maribel Cedillo, Polina Kukhareva, Chaorong Wu, Jesell Zepeda, Elizabeth Rudd, Jorie M Butler, Bernadette Kiraly, Michael Flynn, Kensaku Kawamoto, Molly B Conroy, Univ of Utah, Salt Lake City, UT

P120
The Effectiveness on Weight Management by Body Composition Assessment and Smartphone Based Counselling Among Middle Aged Hong Kong Chinese: A 6 Month Randomized Controlled Trial
Xiaoli Liao, Yao Jie Xie, The Hong Kong Polytechnic Univ, Hong Kong, China

P122
A Semi-Automated Tool Can Increase Stroke Clinical Trial Recruitment
Murat Sari, UPMC, Pittsburgh, PA; UPMC Enterprise Productivity and Collaboration Services; Marcelo Rocha, UPMC, Pittsburgh, PA

P01.05 Covid 19, HIV and Other Infections

P123
Obesity-Related Inflammasome Activation in COVID-19 and Chronic Conditions: A Post-Mortem Lung Biopsies Study
Raissa DAmico, Lucas Baena Carstens, Julio C DA gostini, Elisa H latchuk, Sofia B Silva, Seigo Nagashima, Cristina P Baena, PUCPR, Curitiba, Brazil

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Associations of SARS-CoV-2 Infection and Cardiorespiratory Fitness: Findings From the Cooper Center Longitudinal Study
Laura F Defina, The Cooper Inst, Dallas, TX; Matthew S Durstenfeld, UCSF, San Francisco, CA; David Leonard, Beth B Wright, The Cooper Inst, Dallas, TX; Kerem Shuv al, The Cooper Inst, Alpharetta, GA; And jelka Pavlovic, The Cooper Inst, Irving, TX; Nina Radford, Cooper Clinic, Dallas, TX; Jarett D Berry, UT Tyler Sch of Med, Tyler, TX; Kelley P Gabriel, Univ of Alabama at Birmingham, Birmingham, AL

P125
Association of Cardiology Encounters for Underrepresented Racial and Ethnic Groups With Human Immunodeficiency Virus With Subsequent Lipid and Blood Pressure Control
Matthew S Durstenfeld, UCSF, San Francisco, CA; C. Larry Hill, Karen Chiswell, Gretchen Sanders, Duke Clinical Res Inst, Durham, NC; Nwora Lance Okeke, Duke, Durham, NC; Eric Meissner, Medical Univ of South Carolina, Summerville, SC; Kevin L Thomas, Duke Univ, Durham, NC; Caryn Morse, Wake Forest Sch of Med, Winston-Salem, NC; Gerald S Bloomfield, Duke Univ Medical Ctr, Durham, NC; April Pettit, Vanderbilt Univ, Nashville, TN; Chris Todd Longenecker, Univ of Washington, Seattle, WA

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Presentation Differences in ST-Segment Elevation Myocardial Infarction Between 2019-2021 Related to COVID-19
Rebekah Lantz, Premier Health Network, Dayton, OH; Casey Walk, Dylan Hefner, Wright State Univ, Dayton, OH

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Health Literacy and COVID-19 Infection and Vaccination: The C4R-MESA Study
Sharon Stein Merkin, UCLA Sch of Med, Los Angeles, CA; Yiqun Jin, Columbia Univ, Fort Lee, NJ; Pallavi Balte, Columbia Univ, New York, NY; Karen Hinckley Stukovsky, Univ of Washington, Seattle, WA; Norrina B Allen, Northwestern Univ, Chicago, IL; Alain G Bertoni, Wake Forest Univ Sch Med, Pfafftown, NC; Pamela L Lutsey, Univ of Minnesota, Minneapolis, MN; Jim S Pankow, Univ Minnesota, Minneapolis, MN; Wendy S Post, Johns
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Self-Reported Resilience During the COVID-19 Pandemic: The C4R-MESA Study

Oluwabunmi V Ogungbe, Johns Hopkins Univ, Baltimore, MD; Tianyou Wang, Pallavi Balte, Columbia Univ, New York, NY; Akshaya Krishnaswamy, Columbia Univ Medical Ctr, New York, NY; Sarah Slone, Johns Hopkins University, Baltimore, MD; Diane Meyer, Johns Hopkins Univ, Baltimore, MD; Jana Hirsch, Drexel Univ, Philadelphia, PA; Norrina B Allen, Northwestern Univ, Chicago, IL; Karen Hinckley Stukovsky, Univ of Washington, Seattle, WA; R. Graham Barr, Elizabeth Oelsner, Columbia Univ, New York, NY; Wendy S Post, Johns Hopkins Univ, Baltimore, MD

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Risk of COVID-19 Hospitalization or Death by the AHA's Life's Essential 8: The Collaborative Cohort of Cohorts for COVID-19 Research (C4R)

Timothy B Plante, Univ of Vermont, Colchester, VT; Stephen P Juraschek, BIDMC-Harvard Medical Sch, Boston, MA; Pallavi Balte, Columbia Univ, New York, NY; Akshaya Krishnaswamy, Columbia Univ Medical Ctr, New York, NY; Yejin Mok, Johns Hopkins Univ, Baltimore, MD; Norrina B Allen, Northwestern Univ, Chicago, IL; Kelley P Gabriel, Univ of Alabama at Birmingham, Birmingham, AL; Vanessa Xanthakis, BU Sch of Med, Boston, MA; Arnita Norwood, Yuan-I Min, Univ of Mississippi Medical Ctr, Jackson, MS; Sara Gonzalez, Albert Einstein Coll of Med, Bronx, NY; Daniela Sotres-Alvarez, Univ of North Carolina, Chapel Hill, NC; Gregory A Talavera, San Diego State Univ, Chula Vista, CA; Martha L Daviglus, Univ Illinois Chicago, Chicago, IL; Sameer Talegawkar, Yichen Jin, George Washington Univ, Washington, DC; Donald M Lloyd-Jones, Northwestern Univ, Chicago, IL; Mitchell S Elkind, Columbia Univ, New York, NY; Tatjana Rundek, Miller Schl of Med Univ M, Miami, FL; Jose Gutierrez Sr., Columbia Univ Medical Ce, New York, NY; Emily B Levitan, Univ Alabama at Birmingham, Birmingham, AL; Mary Cushman, Univ Vermont, Colchester, VT; Suzanne E Judd, UAB, Birmingham, AL; Henry E Wang, The Ohio State Univ, Columbus, OH; Neil A Zakai, Univ of Vermont, Colchester, VT; Virginia J Howard, Univ of Alabama-Birmingham, Birmingham, AL; Nathalie Pamir, OHSU, Portland, OR; Monika M Safford, Weill Cornell Med, New York, NY; Debora Kamin Mukaz, Univ of Vermont, Colchester, VT; Amanda M Fretts, Univ of Washington, Seattle, WA; Elizabeth Oelsner, Columbia Univ, New York, NY

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Higher Circulating Angiotensin Converting Enzyme 2 (ACE2) and ACE2 to ACE Ratio Are Associated With Lower COVID-19 Mortality: A Mechanistic Substudy of the ACTIV-4 Host Tissue Trials


P01.06 Diabetes 1

P131

Individualized Risk Prediction for Type 2 Diabetes: A Secondary Analysis of the Diabetes Prevention Program
P132

**Paso a Paso, Designing a Culturally Relevant Diabetes Prevention Intervention for Hispanic/Latino (H/L) People That Adheres to Evidence Based, Diabetes Prevention Program (DPP) Intervention Principles in the Hispanic/Latino (H/L) Community of Salt Lake County**

Maribel Cedillo, Megan N. Miller, Univ of Utah, Salt Lake City, UT; Molly B Conroy, Univ of Utah, Salt Lake Cty, UT; Paul Estabrooks, Isabel T. Molina, Univ of Utah, Salt Lake City, UT; Gabriela Portugal-Bouza, Alliance Community Services, Salt Lake City, UT; Patricia Cortes, Mexican Consulate, Salt Lake City, UT

P134

**Bidirectional Association of Diabetes and Heart Failure**

Justin B Echouffo, Johns Hopkins Hosp, Baltimore, MD; Sui Zhang, Kuni Matsushita, Johns Hopkins Univ, Baltimore, MD; VIJAY NAMBI, Baylor Coll of Med, Sugar Land, TX; Christie M Ballantyne, Baylor Coll Med, Houston, TX; Amil M Shah, UT Southwestern Medical Ctr, Dallas, TX; Joe Coresh, Johns Hopkins SPH Welch Ctr, Baltimore, MD; Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD; Chiadi E Ndumele, Johns Hopkins Hosp, Baltimore, MD

P135

**Effect of Cardiovascular Health Improvement at Midlife on Cardiovascular Event and Mortality Risk in Diabetes**

Elisabeth Lilian Sattler, Univ of Georgia, Athens, GA; Camille Lassale, Cardiovascular Risk and Nutrition Group, Hosp del Mar Res Inst, 08003 Barcelona, Spain, and CIBER of Physiopathology of Obesity and Nutrition (CIBEROBN), Inst of Health Carlos III, 28029 Madrid, Spain; Donald M Lloyd-Jones, Northwestern Univ, Chicago, IL; Marie-Cécile PERIER, Univ Paris Cité, INSERM U970, Paris Cardiovascular Res Ctr (PARCC), Integrative Epidemiology of Cardiovascular Disease, 56 rue Leblanc, Paris 75015, France; Joshua J Joseph, The Ohio State Univ COM, Columbus, OH; Xavier Jouven, Bamba Gaye, Univ Paris Cité, INSERM U970, Paris Cardiovascular Res Ctr (PARCC), Integrative Epidemiology of Cardiovascular Disease, 56 rue Leblanc, Paris 75015, France

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**Trends in Ultra-Processed Food Consumption Among US Adults With Prediabetes and Diabetes, 2001-2018**

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Smoking Timing, Genetic Susceptibility, and Risk of Incident Type 2 Diabetes: A Cohort Study in UK Biobank

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Cardiovascular Disease Incidence Among Male Veterans by Sexual Orientation and Race
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Prevalence of Elevated LDL-C and Non-HDL-C in Adults With Total Serum Cholesterol in the Normal Range

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Association Between Serum Metabolites and Carotid Atherosclerosis Among Japanese Men

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Navigating Lipid Discrepancies: Implications for Cardiovascular Risk With LDL, Non-HDL, LDL-P, and ApoB

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Association Between Non-Alcoholic Fatty Liver Disease Risk SNP Variants and Lipid Metabolism

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Ratio of Cholesterol to Triglycerides Within High-Density Lipoprotein (HDL) as a Novel Marker of Risk for Myocardial Infarction (MI)

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Cholesterol Ester 18:2 is an Exercise Inducible Metabolite Associated With a Favorable Cardiometabolic Profile

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Association of Plasma Lipid Species With Lipoprotein Insulin Resistance Score Before and After Exercise Training
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Association of Meal Timing With Measures of Obesity: The Hispanic Community Health Study/Study of Latinos
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Changes in Ultra-Processed Food Intake During the Transition to Adulthood Are Associated With Blood Pressure in Early Adulthood Among a Filipino Birth Cohort
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Association Between Time-Restricted Eating and All-Cause and Cause-Specific Mortality
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Sex Moderates Diet Quality Differences in Integrated Collaborative Care for Comorbid Obesity and Depression: Post-Hoc Analysis of the Research Aimed at Improving Both Mood and Weight Randomized Clinical Trial
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Consumption of Added Sugar and Added Sugar-Rich Foods and Beverages is Associated With Accelerated Epigenetic Aging in the Coronary Artery Risk Development in Young Adults (CARDIA) Study
Katherine Copp, Lyn Steffen, So-Yun Y Yi, Xia Zhou, David R Jacobs Jr., Univ of Minnesota, Minneapolis, MN; James M Shikany, Univ of Alabama at Birmingham, Birmingham, AL; Jamal S Rana, Kaiser Permanente, Oakland, CA; Brian Joyce, Yinan Zheng, Kyeezu Kim, Lifang Hou, Northwestern Univ, Chicago, IL

Metabolites Mediate the Association of the MIND Diet With Hypertension and Chronic Kidney Disease
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The Effects of Initiating a 24-hour Fast With a Low versus a High Carbohydrate Protein Shake on Heart Rate Variability in the Elderly
Landon Deru, Univ of Kansas Medical Ctr, Kansas City, KS; Elizabeth Gipson, Katelynn Hales, Bruce Bailey, Brigham Young Univ, Provo, UT

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Christian S. DeSouza, The Univ of Texas Health Science Ctr - Houston, Houston, TX; Kathleen T. Farrell, Vinicius Pacheco Garcia, Jared J. Greiner, Brian L. Stauffer, Christopher A. Desouza, Univ of Colorado, Boulder, CO

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Jessica Donze-Black, American Heart Association, Washington, DC; Kylie Picou, The American Heart Association, Dallas, TX; Mel Downey-Piper, American Heart Association, Durham, NC; Cheryl Toner, American Heart Association, Washington, DC; Mei Ling Ellis, MEC, Seattle, WA; Ronda Zakocs, Insight for Action, Portland, OR; Sally Honeycutt, American Heart Association, Dallas, TX

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Mary Hastert, Univ of Kansas Medical Ctr, Overland Park, KS; Anna GORCZYCA, Univ of Kansas Medical Ctr, Merriam, KS

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Yoriko Heianza, Tulane Univ, New Orleans, LA; Leah E Cahill, Dalhousie Univ, Halifax, NS, Canada; Oona J DiMatteo, Emily M Drotz, Tulane Univ, New Orleans, LA; Qi Sun, Harvard Sch of Public Health, Boston, MA; JoAnn E Manson, Brigham and Women's Hosp, Boston, MA; Lu Qi, Tulane Univ, New Orleans, LA

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Tasfia Hussain, Johns Hopkins Univ, Baltimore, MD; Stephen P Juraschek, BIDMC-Harvard Medical Sch, Boston, MA; Edgar R Miller III, Johns Hopkins Medical Insts, Baltimore, MD; Lawrence J Appel, Johns Hopkins Univ, Baltimore, MD

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Jenny Jia, Northwestern Univ, Chicago, IL

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Kai Luo, Yasmin Mossavar-Rahmani, Albert Einstein Coll of Med, Bronx, NY; Martha L Daviglus, Univ Illinois Chicago, Chicago, IL; Robert Burk, Albert Einstein Coll of Med, Bronx, NY; Daniel L Labovitz, Montefiore Medical Ctr, Bronx, NY; Bing Yu, Univ of TX Health Sci Ctr Houston, Houston, TX; Eric Boerwinkle, UTHealth, Houston, TX; Lifang Hou, Northwestern Univ, Chicago, IL; Robert Kaplan, Qibin Qi, Albert Einstein Coll of Med, Bronx, NY

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Philimon N Gona, Univ of Massachusetts, Boston, Boston, MA; Mariam Qazi, Univ of Texas Health Sciences Ctr, Tyler, Tyler, TX; Carol Salton, Beth Israel Deaconess Medical Ctr, Boston, MA; Christopher J O'Donnell, Harvard Medical Sch, Boston, MA; Warren J Manning, Beth Israel Deaconess Medical Ctr, Boston, MA; Michael L Chuang, Cardiovascular Res Fndn, New York, NY
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Laura B. Harrington, Kara L. Cushing-Haugen, Kaiser Permanente Washington Health Res Inst, Seattle, WA; Steven Nguyen, Univ of California San Diego, San Diego, CA; Michael J. LaMonte, Univ at Buffalo, Buffalo, NY; Marcia L. Stefanick, Stanford Univ Sch of Med, Stanford, CA; Matthew A. Allison, Univ of California San Diego, La Jolla, CA; Robert B. Wallace, Univ of Iowa, Iowa City, IA; JoAnn E. Manson, Harvard Medical Sch, Boston, MA; Majken K. Jensen, Univ of Copenhagen, Copenhagen, Denmark; Christopher Kabrhel, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA; Gregory A. Wellenius, Boston Univ, Boston, MA; I-Min Lee, Harvard Medical Sch, Boston, MA; John Bellettiere, Univ of California San Diego, San Diego, CA; Kenneth J. Mukamal, Beth Israel Deaconess Medical Ctr, Brookline, MA; Andrea Z. LaCroix, Univ of California San Diego, San Diego, CA

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Yejin Mok, Johns Hopkins Univ, Baltimore, MD; Maya Salameh, Johns Hopkins Sch of Med, Baltimore, MD; Mary Cushman, Univ of Vermont, Burlington, VT; Debora Kamin Mukaz, Univ of Vermont, Colchester, VT; Pamela L Lutsey, Univ of Minnesota, Minneapolis, MN; Wayne D Rosamond, Univ of North Carolina, Chapel Hill, NC; Aaron R Folsom, Weihong Tang, Univ of Minnesota, Minneapolis, MN; Kunihiro Matsushita, Johns Hopkins Univ, Baltimore, MD

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Rafael Cortorreal Javier, Univ Iberoamericana UNIBE, Santo Domingo, Dominican Republic; Anusha Parisapogu, Mayo Clinic, Rochester, MN; Nmair Alziadin, Portsmouth Regional Hosp, Dover, NH; Anjani Kumar Thota, Sinai Hosp of Baltimore, Baltimore, MD; Khush Dadhana, Hackensack Meridian Mountainside Medical Ctr, Pleasanton, CA; Vinay Kumar Gadamidi, Virtua Health, Cherry Hill, NJ; Priyatha VEMPARALA, All India Inst of Medical Sciences, Hyderabad, Telangana, India; Juhi PATEL, G.M.E.R.S Medical Coll Valsad, Valsad, India; Hardik Dineshbhai Desai, Gujarat Adani Inst of Medical Sciences, Affiliated to K.S.K.V Univ, Bhuj, India

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Katherine A. Collins, Leanna M. Ross, Alyssa M. Sudnick, Brian J. Andonian, Kim M. Huffman, Duke Univ Sch of Med, Durham, NC

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Yangyang Deng, Mohammad Moniruzzaman, Breanna Rogers, Natl Insts of Health, Bethesda, MD; Lu Hu, New York Univ, New York, NY; Ram Jagannathan, Emory Univ, Decatur, GA; Kosuke Tamura, Natl Insts of Health, Bethesda, MD

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Raymond Jones, Michael J Hankes, Nicole D Armstrong, Kelley P Gabriel, Thomas W Buford, Erin E Dooley, Univ of Alabama at Birmingham, Birmingham, AL

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Gen-Min Lin, Hualien Armed Forces Gen Hosp, Hualien, Taiwan

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Francesca R Marino, Jennifer A. Deal, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Qu Tian, Eleanor M. Simonsick, Susan M. Resnick, Natl Inst on Aging, Baltimore, MD; Alden L. Gross, Amal A. Wanigatunga, Jennifer A. Schrack, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD

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Elizabeth A Moxley, Northern Illinois Univ, Dekalb, IL; Desale Habtezgi, Kris Varothai, DePaul Univ, Chicago, IL; Shaine Henert, Rachel Kowal, Barrie Bode, Sara Budwhani, Northern Illinois Univ, Dekalb, IL

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Donya Nemati, The Ohio State Univ, Columbus, OH; Adrian Noriega de la Colina, McGill Univ, Montreal, ON, Canada; Navin Kaushal, Indiana Univ-Indianapolis, Indianapolis, IN

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Yan Zhang, Yao Jie Xie, Yunyang Deng, The Hong Kong Polytechnic Univ, Hong Kong, China

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Meghamsh Kanuparthy, Warren Alpert Medical Sch at Brown Universtiy, Providence, RI; Srikur Kanuparthy, Univ of Pennsylvania, Philadelphia, PA; Dwight Harris, Beth Israel Deaconess Medical Ctr, Boston, MA; Mark Broadwin, Cardiovascular Res Ctr at Brown/Lifespan, Providence, RI; Christopher Stone, Warren Alpert Medical Sch at Brown Universtiy, Providence, RI; Frank W Sellke, Brown Medical Sch, Providence, RI

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Daniel Won, James Walker, Connor Workman, James W Guo, Elizabeth Zordani, Northwestern Feinberg Sch of Med, Chicago, IL; Anna Chorniy, Northwestern Univ, Chicago, IL; S. Christopher Malaisrie, Northwestern Memorial Hosp, Chicago, IL; Donald M Lloyd-Jones, Northwestern Univ, Chicago, IL

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Financial Hardship and Sleep Quality Among Black American Women With and Without Systemic Lupus Erythematosus
Khadijah ABDALLAH, Shivika Udaipuria, Raphiel Murden, Izraelle McKinnon, Emory Univ, Atlanta, GA; Christy ERVING, Univ of Texas, Austin, TX; Nicole FIELDS, Emory Univ, Atlanta, GA; Reneé Moore, Drexel Univ, Philadelphia, PA; Bianca Booker, Taylor BUREY, Charmayne DUNLOP-THOMAS, Cristina Drenkard, Emory Univ, Atlanta, GA; Viola Vaccarino, Emory Univesity, Atlanta, GA; Sung S. Lim, Dayna A Johnson, Tené T Lewis, Emory Univ, Atlanta, GA

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Yuqing Chen, Alicia B Colvin, Maria M Brooks, Samar R El Khoudary, Rebecca C Thurston, Univ of Pittsburgh, Pittsburgh, PA

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Emma Church, Taylor Maniglia, Martha Sajatovic, Univ Hosp & Case Western Reserve Univ, Cleveland, OH; Farren Basil Shaw Briggs, Case Western Reserve Univ, Cleveland, OH; Erika Kelley, Danette Conklin, Mahboob Rahman, Carla Harwell, Univ Hosp & Case Western Reserve Univ, Cleveland, OH; Carla Conroy, Univ Hosp Cleveland Medical Ctr, Cleveland, OH; Jennifer B. Levin, Univ Hosp & Case Western Reserve Univ, Cleveland, OH

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Luis C Correia, Amit J Shah, Rollins Sch of Public Health, Emory Univ, Atlanta, GA; Valeria M Moncayo, Sch of Med, Emory Univ, Decatur, GA; Yi-An Ko, Rollins Sch of Public Health, Emory Univ, Atlanta, GA; Nicholas L Smith, Sch of Med, Emory Univ, Atlanta, GA; Jeffery Osei, Louis Li, Rollins Sch of Public Health, Emory Univ, Atlanta, GA; Arshed A Quyyumi, J. Douglas Bremmer, Sch of Med, Emory Univ, Atlanta, GA; Viola Vaccarino, Rollins Sch of Public Health, Emory Univ, Atlanta, GA

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Eri Eguchi, Fukushima Medical Univ, Fukushima, Japan; Kokoro Shirai, Osaka Univ, Osaka, Japan; Fumikazu Hayazhi, Yuhi Hamaguchi, Fukushima Medical Univ, Fukushima, Japan; Katsunori Kondo, Chiba Univ, Chiba, Japan; Tetsuya Ohira, Fukushima Medical Univ, Fukushima, Japan

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Saam Honarvar, Samaah Sullivan, Univ of Texas Health Science Ctr Houston, Dallas, TX

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Holly J Jones, The Ohio State Univ Coll of Nursing, Columbus, OH; Tamilyn Bakas, Univ of Cincinnati Coll of Nursing, Cincinnati, OH; Melinda Butsch Kovacic, Univ of Cincinnati Coll of Allied Health, Cincinnati, OH

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Shelbie Powers, Ben King, Univ of Houston, Tilman J Fertitta Family Coll of Med, Houston, TX
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Minghao Kou, Xiang Li, Tulane Univ, New Orleans, LA; Hao Ma, Tulane Univ, Metairie, LA; Xuan Wang, Yoriko Heianza, Tulane Univ, New Orleans, LA; JoAnn E Manson, Brigham and Women's Hosp, Boston, MA; Lu Qi, Tulane Univ, New Orleans, LA

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Patricia Pagan Lassalle, The Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Mario Sims, Univ of California, Riverside, Corona, CA; Zachary Y Kerr, The Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Bethany Barone Gibbs, West Virginia Univ, Morgantown, WV; Justin B Moore, Wake Forest Univ Sch of Med, Winston-Salem, NC; Matthew S Loop, Auburn Univ, Auburn, AL; Priya Palta, Anna Kucharska-Newton, Michelle L Meyer, The Univ of North Carolina at Chapel Hill, Chapel Hill, NC

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Lauren M. Pageau, Northwestern Univ, Chicago, IL; Jiying Ling, Barbara A. Given, Lorraine B. Robbins, Pallav Deka, Emma C Schlegel, Michigan State Univ, East Lansing, MI

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A Multinational Analysis of Perceptions of Non-Communicable Diseases

Jorge A Rios Duarte, Carlos O Mendivil, Ricardo A Pena-Silva, Univ de los Andes, Bogota, Colombia

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Zean Song, Nagoya Univ, Nagoya, Japan; Yuanying Li, Nagoya Univ, Nagoya, Aichi-prefecture, Japan; Yoshihisa Nakano, Young-Jae Hong, Tahmina Akter, Mohammad Hassan Hamrah, Hanso Gabriel Nuamah, Chisato Fukuda, Rina Tajima, Nagoya Univ, Nagoya, Japan; Jingyi Lin, Nagoya Univ, nagoya, Japan; Zhiling Shi, Mizuho Hibino, Baruck Tegegn Endale, Nagoya Univ, Nagoya, Japan; Yupeng He, Fujita Health Univ, Nagoya, Japan; Masaaki Matsunaga, Fujita Health Univ, Toyoake-si, Aichi-ken, Japan; Atsuhiko Ota, Fujita Health Univ, Toyoake, Aichi, Japan; Koji Tamakoshi, Nagoya Univ, Nagoya, Japan; Hiroshi Yatsuya, Nagoya Univ, Grad Sch of Med, Nagoya, Japan

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Kellee White Whilby, Univ of Maryland Coll Park, College Park, MD; Yiqun Jin, Pallavi Balte, Columbia Univ, New York, NY; Debora Kamin Mukaz, Univ of Vermont, Colchester, VT; Karen Hinckley Stukovsky, Univ Washington CHSCC, Seattle, WA; Jana Hirsch, Drexel Univ, Philadelphia, PA; Norrina B Allen, Northwestern Univ, Chicago, IL; Wendy S Post, Johns Hopkins Univ, Baltimore, MD; Mario Sims, Univ of California, Riverside, Corona, CA; Elizabeth Oelsner, Columbia Univ, New York, NY
Stress-Induced Autonomic Dysfunction is Associated With Mental Stress-Induced Myocardial Ischemia in Patients With Coronary Artery Disease

Jeffery Osei, Viola Vaccarino, Emory Univ Rollins Sch of Public Health, Atlanta, GA; Maggie Wang, Emory Univ Sch of Med, Atlanta, GA; Anish Shah, Emory Univ Rollins Sch of Public Health, Atlanta, GA; Rachel J Lampert, Yale Sch of Med, New Haven, CT; Yi-An Ko, Emory Univ Rollins Sch of Public Health, Atlanta, GA; Brad Pearce, Emory Univ, Atlanta, United States Minor Outlying Islands; Michael Kutner, Emory Univ, Atlanta, GA; Ernest V Garcia, Emory Univ Hosp, Roswell, GA; Marina Piccinelli, Emory Univ Sch of Med, Atlanta, GA; Paolo Raggi, Emory Univ Sch Med, Atlanta, GA; James Bremner, Arshed A Quyyumi, Emory Univ, Atlanta, GA; Yan Sun, Emory Univ Rollins Sch of Public Health, Atlanta, GA; George Haddad, Emory Univ, Atlanta, GA; Louis Li, Luis Correia, Emory Univ Rollins Sch of Public Health, Atlanta, GA; Tatum E Roberts, Lewam Stefanos, Hashir Ahmed, Emory Univ, Atlanta, GA; Amit J Shah, Emory Univ Rollins Sch of Public Health, Atlanta, GA

P01.16 Stroke

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The Effects of Wellness Coaching on Lowering Stroke Risk Factors in a Wisconsin Native American Population
Louden Akin, Stephanie M Wilbrand, Timothy Hess, Univ of Wisconsin - Madison, Madison, WI; Amanda Riesenber, Oneida Comprehensive Health Div, Oneida, WI; Jenna Maybock, Univ of Wisconsin - Madison, Madison, WI; Connie Vandenberg, Carrie Blohowiak, Jay Kennard, Debra Danforth, Oneida Comprehensive Health Div, Oneida, WI; Robert J Dempsey, Univ of Wisconsin - Madison, Madison, WI; Carol Mitchell, Univ of Wisconsin Madison, Madison, WI

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Association Between a Brain Care Score and Risk of Cerebrovascular Events in American Women
Leidys Gutierrez-Martinez, Massachusetts General Hosp, Boston, MA; Pamela M. Rist, Julie E. Buring, Martin Vandenburgh, Brigham and Women’s Hosp, Boston, MA; Christina Kourkoulos, Jonathan Rosand, Massachusetts General Hosp, Boston, MA; Christopher Anderson, Brigham and Women’s Hosp, Boston, MA; Nirupama Yechoor, Massachusetts General Hosp, Boston, MA

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Association Between Individual Socioeconomic Status and Discharge Dispositions to Home or Rehabilitation Following Incident Stroke Hospitalization: The Atherosclerosis Risk in Communities (ARIC) Study
Ning Li, Erin L Abner, Univ of Kentucky, Coll of Public Health, Lexington, KY; Silvia Koton, Johns Hopkins Univ, Sch of Public Health, Baltimore, MD; Lena Molly Mathews, Johns Hopkins Univ, Sch of Med, Baltimore, MD; Kunihiro Matsushita, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Anna Kucharska-Newton, The Univ of North Carolina at Chapel Hill, Chapel Hill, NC

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Geographical Mapping and Cluster Analysis of Ischemic Stroke in Kentucky
Solina Ngam, Hend Mansoor, Daniel Manion, Jayani Jayawardhana, Chris Delcher, Univ of Kentucky, Lexington, KY

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Rural-Urban Disparities in In-Hospital Stroke Mortality in North Carolina
Mahesh V Pinapaka, Univ of North Carolina-Chapel Hill, Chapel Hill, NC; Mehul D Patel, UNC - Chapel Hill, Chapel Hill, NC; Srihari V Chari, UNC Chapel Hill, Chapel Hill, NC; Wayne D Rosamond, Univ of North Carolina, Chapel Hill, NC

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Women With Migraine Had Higher Progression of 10-year Stroke Risk Than Those Without Migraine: Findings From a Nested Case-Control Study
Longben Tian, Yao Jie Xie, Yunyang Deng, The Hong Kong Polytechnic Univ, Hong Kong, China; Harry Haoxiang Wang, Sun Yat-Sen Univ, Guangzhou, China; Justina Liu, The Hong Kong Polytechnic Univ, Hong Kong, China

Moderated Posters

MPS01 Social Determinates of Health, Health Equity and Social Justice
Moderator:
Mahasin Mujahid, MS, PhD, FAHA

MP01
Life-Course Socioeconomic Status and the Gut Microbiome in the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)
Monica Batalha, Albert Einstein Coll of Med, Bronx, NY; Madison N LeCroy, NYU Grossman Sch of Med, New York, NY; Juan Lin, Brandilyn Peters-Samuelson, Robert Kaplan, Qibin Qi, Zheng Wang, Tao Wang, Albert Einstein Coll of Med, Bronx, NY; Linda Gallo, San Diego State Univ, Chula Vista, CA; Amanda C McClain, San Diego State Univ, San Diego, CA; Bharat Thyagarajan, Univ of Minnesota, Minneapolis, MN; Gregory A Talavera, San Diego State Univ, Chula Vista, CA; Martha L Daviglus, Univ Illinois Chicago, Chicago, IL; Lifang Hou, Northwestern Univ, Chicago, IL; Maria Llabre, Univ of Miami, Miami, FL; Jianwen Cai, UNC Chapel Hill, Chapel Hill, NC; Carmen R Isasi, Albert Einstein Coll Med, Bronx, NY

MP02
Sociodemographic and Behavioral Factors Associated With Diet Quality Among Low-Income Community Health Center Patients With Hypertension
Jessica Cheng, Katherine Faulkner, Ashlie Malone, Kristine Gu, Mass Gen Hosp, Harvard SPH, Boston, MA; Anne N Thorndike, Massachusetts General Hosp, Boston, MA

MP03
Social Adversities and Mortality in HIV and Heart Failure Patients: A Multi-Center Retrospective Cohort Study From Public Hospitals in New York City
Yi-Yun Chen, Pawel Borkowski, Natalia Nazarenko, Jacobi Medical Ctr/Albert Einstein Coll of Med, Bronx, NY; Matthew Parker, Jacobi Medical Ctr/Albert Einstein Coll of Med, New York, NY; Luca Biavati, Coral Vargas-Pena, Ishmum Chowdhury, Joshua Bock, Vibhor Garg, Jacobi Medical Ctr/Albert Einstein Coll of Med, Bronx, NY; Adhya Mehta, Albert Einstein Coll of Med/Jacobi Medical Ctr, Bronx, NY; Robert Faillace, Jacobi Medical Ctr, Bronx, NY; Leonidas Palaiodimos, Albert Einstein Coll of Med, Bronx, NY

MP04
Socioeconomic Spatial Social Polarization and Blood Pressure at Three Spatial Levels
Hoda S. Abdel Magid, Univ of Southern California, Los Angeles, CA; Samuel Jaros, Stanford Univ, Stanford, CA; Gina S Lovasi, Drexel Univ, Philadelphia, PA; Suzanne E Judd, UAB, Birmingham, AL; Michelle C Odden, Stanford Univ, Palo Alto, CA

MP05
Proportion of All-Cause and Cardiovascular Disease Mortality Attributable to Social, Behavioral, and Metabolic Risk Factors in US Adults
Farah Allouch, Siyi Geng, Ling Tian, Allison Marshall, Joshua D Bundy, Tulane Univ, New Orleans, LA; Jing Chen, Tulane Sch of Public Health, New Orleans, LA; Katherine T Mills, Jiang He, Tulane Univ, New Orleans, LA

MP06
Cardiovascular Disease in Community-Dwelling US Adults Involved With the Criminal Justice System: A Simulation Analysis
Joanne Penko, Susan Hennessy, UCSF, San Francisco, CA; Brandon K Bellows, Columbia Univ, New York, NY; Jenerius Aminawung, Yale Sch of Med, New Haven, CT; Pamela Coxson, Univ of California San Francisco, San Francisco, CA; Kendra D Sims, UC San Francisco, San Francisco, CA; Kirsten Bibbins-Domingo, Univ California San Francisco, San Francisco, CA; Emily Wang, Yale Sch of Med, New Haven, CT; Dhruv S Kazi, BIDMC, Boston, MA

MPS02 Hypertension
Moderator:
Tim Plante, MD MHS

MP07
Body Weight Change Mediates the Relationship Between Alcohol Intake and Incidence of Hypertension in Japanese Men
Masaru Sakurai, Masao Ishizaki, Yuko Morikawa, Kazuka Yoneda, Kanazawa Medical Univ, Ishikawa, Japan; Katsuyuki Miura, Shiga Medical Univ, Shiga, Japan; Hideaki Nakagawa, Kanazawa Medical Univ, Ishikawa, Japan

MP08
Effects of Arm Position and Support on the Accuracy of Blood Pressure Readings: The Arm Rest and Support (ARMS) Trial
Hairong Liu, Ahmed Sabit, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Di Zhao, Johns Hopkins Univ, Baltimore, MD; Chathurangi H Pathiravasan, Boston Univ, SPH, Boston, MA; Junichi Ishigami, Johns Hopkins Univ, Baltimore, MD; Jeanne Charleston, Johns Hopkins Univ ProHealth, Baltimore, MD; Edgar R Miller II, Johns Hopkins Medical Insts, Baltimore, MD; Kuni Matsushita, Lawrence J Appel, Johns Hopkins Univ, Baltimore, MD; Tammy M Brady, John Hopkins Univ, Baltimore, MD

MP09
Population Level 24-Hour Urinary Sodium and Potassium Associations With Blood Pressure Differ by Sex: Findings From the New York City Heart Follow-Up Study 2010 and 2018
Shabitri Dasgupta, Tashema Bholanath, Tenzin Yangchen Dongchung, Stephen Immerwahr, Sungwoo Lim, Charmaine Browne, Pulwasha Iftikhar, Christine Dominianni, New York City Dept of Health & Mental Hygiene, Long Island City, NY

MP11
Sodium Reduction in Combination With the Dietary Approaches to Stop Hypertension Diet Lowers 10-year Atherosclerotic Cardiovascular Disease Risk: Results From the Dietary Approaches to Stop Hypertension-Sodium Trial

Hanna M. Knauss, Beth Israel Deaconess Medical Ctr, Boston, MA; Lara C. Kovell, UMass Memorial Health, Worcester, MA; Edgar R Miller III, Johns Hopkins Medical Insts, Baltimore, MD; Lawrence J Appel, Johns Hopkins Univ, Baltimore, MD; Kenneth J Mukamal, Beth Israel Deaconess Medical Ctr, Brookline, MA; Timothy B Plante, Univ of Vermont, Colchester, VT; Stephen P Juraschek, BIDMC-Harvard Medical Sch, Boston, MA

MP12
Joshua Garfein, Akira Sekikawa, Andrew Mrkva, Jared W Magnani, Univ of Pittsburgh, Pittsburgh, PA

MPS03 Cardiometabolic Health and Obesity
Moderator:
Jean Welsh, PhD, MPH, RN

MP13
Association Between Visceral Adiposity Index and Non-Alcoholic Liver Fibrosis Among United States Adults With Prediabetes
Sarah Abdel-Meguid, Matthew Pelton, Aayush Visaria, Rutgers Robert Wood Johnson Medical Sch, New Brunswick, NJ

MP14
Gestational Diabetes Mellitus, Circulating Metabolites, and Risk of Future Cardiovascular Disease in US Women
Jie Hu, Massachusetts General Hosp and Harvard Medical Sch; Harvard T.H. Chan Sch of Public Health, Boston, MA; Kathryn J Gray, Univ of Washington, Seattle, WA; Jun Li, Brigham and Women's Hosp and Harvard Medical Sch; Harvard T.H. Chan Sch of Public Health, Boston, MA; Tianyi Huang, Deirdre K Tobias, Brigham and Women's Hosp and Harvard Medical Sch, Boston, MA; Cuilin Zhang, Natl Univ of Singapore, Singapore; Singapore; Kathryn M Rexrode, Brigham and Women's Hosp and Harvard Medical Sch, Boston, MA; Qi Sun, Harvard T.H. Chan Sch of Public Health; Brigham and Women's Hosp and Harvard Medical Sch, Boston, MA; Guoying Wang, Johns Hopkins Univ Bloomberg Sch of Public Health, Baltimore, MD; Xiaobin Wang, Johns Hopkins Univ Bloomberg Sch of Public Health; Johns Hopkins Univ Sch of Med, Baltimore, MD; Liming Liang, Harvard T.H. Chan Sch of Public Health, Boston, MA; Frank B Hu, Harvard T.H. Chan Sch of Public Health; Brigham and Women's Hosp and Harvard Medical Sch, Boston, MA; Richa Saxena, Massachusetts General Hosp and Harvard Medical Sch, Boston, MA

MP15
Developing and Validating VO2 Prediction From 6-Minute Walk Test (6MWT) and Association With Cardiovascular Health and Risk Scores: Coronary Artery Risk Development in Young Adults (CARDIA)
Bjoern Hornikel, Erin Dooley, Univ of Alabama at Birmingham, Birmingham, AL; Barrett Bowling, Duke Univ Sch of Med, Durham, NC; Baojiang Chen, UTHealth, Austin, TX; Pablo Martinez-Amezcuea, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; David R Jacobs Jr., Univ of Minnesota, Minnetonka, MN; Mercedes R Carnethon, Northwestern Univ, Chicago, IL; Barbara Sternfeld, Kaiser Permanente Northern California Div of Res,
Kensington, CA; Cora E. Lewis, Univ of Alabama at Birmingham, Birmingham, AL; Stephen Sidney, Kaiser Permanente Northern California Div of Res, Piedmont, CA; Priya Palta, UNC Chapel Hill, Chapel Hill, NC; Kelley Pettee Gabriel, Univ of Alabama at Birmingham, Birmingham, AL

MP16
Degree of Joint Risk Factor Control and Incident Chronic Kidney Disease Among Obese Individuals
Rui Tang, Minghao Kou, Xiang Li, Xuan Wang, Tulane Univ, New Orleans, LA; Hao Ma, Tulane university, metairie, LA; Yoriko Heianza, Lu Qi, Tulane Univ, New Orleans, LA

MP17
Sustained Improvements in Liver Fat Reduction and Cardiometabolic Health at Nine Months After a 12 Week Digital Health Program in Individuals With Non-Alcoholic Fatty Liver Disease - A Feasibility Study
Sigridur Bjornsdottir, The Reykjavik Heart Ctr, Gardabaer, Iceland; Hildigunnur Ulfisdottir, Elias F Gudmundsson, Bartosz Dobies, Kolbrun Sveinsdottir, Sidekick Health, Kopavogur, Iceland; Ari Pall Isberg, Sidekick Health, Reykjavik, Iceland; Gudlaug Bjornsdottir, Univ of Iceland, Reykjavik, Iceland; Yoriko Heianza, Lu Qi, Tulane Univ, New Orleans, LA

MP18
Comparative Assessment of Proteomics, Phenotypic, and Genomic Data on Visceral Adipose Tissue Volume Using Machine Learning in UK Biobank: Advancing Precision Medicine
Zahra Azizi, Trisha Gupte, Stanford Univ, Palo Alto, CA; Pik Fang Kho, Stanford Univ, Sunnyvale, CA; Kevin Nzenkue, Jiayan Zhou, Stanford Univ, Palo Alto, CA; Rodrigo Guarisch-Sousa, Stanford Univ, Stanford, CA; Daniel Panyard, Stanford Univ, Palo Alto, CA; Ming-Li Chen, Stanford Univ, Cupertino, CA; Fahim Abbasi, Stanford Univ, Stanford, CA; Shoa L CLARKE, Stanford Univ, Palo Alto, CA; Philip S Tsao, Stanford Univ-VAPAHCS, Los Altos, CA; Themistocles L Assimes, Stanford Univ. Sch of Med, Palo Alto, CA

MPS 04 Aging/Brain Health
Moderator:
Erin Dooley, PhD

MP19
Patterns of Early-Onset and Late-Onset Dementia Incidence in the Dementia Risk Pooling Project
Katherine Giorgio, Univ of Minnesota-Twin Cities, Minneapolis, MN; John Stephen, Maxwell Mansolf, Northwestern Univ, Chicago, IL; Aîcha Soumari, Univ of Bordeaux, Bordeaux, France; Alden Gross, Johns Hopkins Univ, Baltimore, MD; Allison Aiello, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Archana Singh-Manoux, INSERM, Paris, France; Mohammad A Ikram, Erasmus MC, Rotterdam, Netherlands; Catherine Helmer, Christophe Tzourio, Univ of Bordeaux, Bordeaux, France; Claudia S Satizabal, UT Health San Antonio, San Antonio, TX; Deborah A Levine, Univ of Michigan, Ann Arbor, MI; Donald M Lloyd-Jones, Northwestern Univ, Chicago, IL; Emily M Briceno, Univ of Michigan, Ann Arbor, MI; Farzaneh A. Sorond, Northwestern Univ, Chicago, IL; Frank Wolters, Erasmus MC, Rotterdam, Netherlands; Jayandira Himali, Boston Univ, Boston, MA; Lenore J Launer, Natl Inst on Aging, Washington, DC; Lihui Zhao, Northwestern Univ, Chicago, IL; Oscar L Lopez, Presbyterian
Incident Dementia Attributable to Diabetes in Midlife and Late-Life: The Atherosclerosis Risk in Communities Study

Jason Smith, Johns Hopkins Univ, Baltimore, MD; A Richey Sharrett Sr., Johns Hopkins Univ, Baltimore, MD; James Pike, Johns Hopkins Univ, Baltimore, MD; Pamela L Lutsey, Univ of Minnesota-Twin Cities, Minneapolis, MN; Priya Palta, Univ of North Carolina, Chapel Hill, NC; B Gwen Windham, UMMC, The MIND Ctr, Jackson, MS; Elizabeth Selvin, Josef Coresh, Alden Gross, Jennifer A. Deal, Johns Hopkins Univ, Baltimore, MD

Differences in Cardiovascular Risk Factors Across Age Strata in Five Race and Ethnic Groups: The Mediators of Atherosclerosis in South Asians Living in America (MASALA) and Multi-Ethnic Study of Atherosclerosis (MESA) Studies

Havisha Pedamallu, Zeynab Aghabazaz, Northwestern Univ Feinberg Sch of Med, Chicago, IL; Nicola Lancki, Northwestern Univ, Chicago, IL; Luis A. Rodriguez, Kaiser Permanente Div of Reseach, Oakland, CA; Juned Siddique, Northwestern Univ, Chicago, IL; Meena Moorthy, Northwestern Univ Feinberg Sch of Med, Chicago, IL; Nilay S Shah, Norrinda B Allen, Northwestern Univ, Chicago, IL; Alka M Kanaya, UCSF, San Francisco, CA; Namratha Kendula, Northwestern Univ, Chicago, IL

Age-Varying Implications of Recalibration of Cardiovascular Disease Risk Prediction in a New England-Based Healthcare System

So Mi J Cho, Massachusetts General Hosp, Boston, MA; Rachel Rivera, Satoshi Koyama, Min Seo Kim, Broad Inst of MIT and Harvard, Cambridge, MA; Shriienidhie Ganesh, Michael C Honigberg, Romit Bhattacharya, Kaavya Paruchuri, Massachusetts General Hosp, Boston, MA; Norrinda B Allen, Northwestern Univ, Chicago, IL; Whitney Hornsby, Broad Inst of MIT and Harvard, Cambridge, MA; Pradeep Natarajan, Massachusetts General Hosp, Boston, MA

Cardiovascular Diseases and Risk of Dementia in the General Population: Observational and Genetic Studies

Jiao Luo, Ida Juul Rasmussen, Rigshospitalet - Copenhagen Univ Hosp, Copenhagen, Denmark; Borge G Nordestgaard, Copenhagen Univ Hosp, Herlev, Denmark; Anne Tybjaerg-Hansen, Jesper Qvist Thomassen, Ruth Frikke-Schmidt, Rigshospitalet - Copenhagen Univ Hosp, Copenhagen, Denmark

Contemporary Trends in Incident Ischemic Stroke, Intracranial Hemorrhage, and Mortality in Individuals With Atrial Fibrillation
TUESDAY

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Association Between Loneliness and Functionality in an Elderly Population
Karina Bertoldi, Cristina Pellegrino Baena, Rafaella Stradiotto Bernardelli, Leandro Zen Karam, Arielle Barreto Haagsma, Pontifical Catholic Univ of Paraná, Curitiba, Brazil; Javier Jerez Roig, Univ of Vic - Central Univ of Catalonia, Vic, Spain

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Vascular Contributions to Alzheimer's Disease
Soumilee Chaudhuri, Indiana Univ Sch of Med, Indianapolis, IN; Shiwei Liu, Ctr for Neuroimaging, Dept of Radiology, and Imaging Sciences, Indianapolis, IN; Yen-Ning Huang, Indiana Alzheimer Disease Ctr (IADRC), Indianapolis, IN; Tamina Park, Ctr for Neuroimaging, Dept of Radiology, and Imaging Sciences, Indianapolis, IN; Thea Rosewood, Dept of Medical and Molecular Genetics, IUSM, Indianapolis, Indianapolis, IN; Min Young Cho, Dept of Digital Health, Samsung Advanced Inst for Health Sciences & Technology (SAHST), Sungkyunkwan Univ, Samsung Medical Ctr, Seoul, Seoul, Korea, Republic of; Kwangsik Nho, Ctr for Neuroimaging, Dept of Radiology, and Imaging Sciences., Indianapolis, IN; Andrew Saykin, Indiana Univ, Indianapolis, IN

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Circulating Immune Cell Phenotypes Are Associated With Inflammatory Biomarkers in the Framingham Heart Study Offspring Cohort
Jiachen Chen, Boston Univ SPH, Boston, MA; Margaret Doyle, Univ of Vermont, Burlington, VT; Ahmed Ragab, Yumeng Cao, Boston Univ SPH, Boston, MA; Joanne Murabito, Boston Univ Sch of Medicin, Framingham, MA; Kathryn Lunetta, Boston Univ SPH, Boston, MA

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Baseline Cognitive and Physical Function and Subsequent Occupational Status in Chinese Adults
Annie Green Howard, UNC, Chapel Hill, NC; Ellie Balakrishnan, North Carolina Dept of Health and Human Services, Chapel Hill, NC; Hsiao Tien, Shufa Du, UNC, Chapel Hill, NC; Bing Zhang, Huijun Wang, Natl Inst for Nutrition and Health, Chinese Ctr for Disease Control and Prevention, Beijing, China; John A Batsis, Hillary Spangler, Linda Adair, UNC, Chapel Hill, NC; Penny Gordon-Larsen, UNC-Chapel Hill, Chapel Hill, NC

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Lifetime Risk of Dementia by Midlife Vascular Risk Factor Burden: The Atherosclerosis Risk in Communities (ARIC) Study
Jiaqi Hu, Michael Fang, Johns Hopkins Univ, Baltimore, MD; Rebecca F Gottesman, NINDS, Bethesda, MD; Pamela L Lutsey, Univ of Minnesota, Minneapolis, MN; Thomas Mosley Jr., Univ MS Medical Ctr, Jackson, MS; Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD; Joe Coresh, Johns Hopkins SPH Welch Ctr, Baltimore, MD

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Association Between Protein Intake and Prevalence of Sarcopenia in Japanese Community-Dwelling Older Adults
Naoko Miyagawa, Sei Harada, Miho Iida, Takuma Shibuki, Minako Matsumoto, Aya Hirata, Kazuyo Kuwabara, Ryota Toki, Shun Edagawa, Tomonori Okamura, Toru Takebayashi, Keio Univ Sch of Med, Tokyo, Japan

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The Longitudinal Association Between Dietary Vitamin K Intake and Cognitive Function in the General Population (Tanushimaru Cohort Study)
Nagisa Morikawa, Kurume Univ Sch of Med, Kurume, Japan; Mika Enomoto, Japan Kurume Univ Sch of Med, Kurume, Japan; Ako Fukami, Kurume Univ, Kurume, Fukuoka, Japan; Yume Nohara, Hiromi Sato, Kurume Univ Sch of Med, Kurume, Japan; Harumi Yoshimura, Kurume Univ Sch of Med, Fukuoka, Japan; Hisashi Adachi, Kurume Univ, Kurume-shi, Japan; Yoshihiro Fukumoto, Kurume Univ Sch of Med, Kurume, Japan

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Rationale, Development, and Implementation of a Multidisciplinary Digital Lifestyle Health Education Program for Older Adults With Cardiovascular Disease and Osteoarthritis
Belinda J Parmenter, UNSW Sydney, Sydney, Australia

P257
Olfactory Impairment and Frailty in Older Adults the Atherosclerosis Risk in Communities (ARIC) Study
Hannah Pleasants, Univ of North Carolina, Chapel Hill, NC; Anna Kucharska-Newton, Univ North Carolina, Chapel Hill, NC; Honglei Chen, Yaqun Yuan, Keran Chamberlin, Michigan State Univ, East Lansing, MI; David Couper, Univ of North Carolina, Chapel Hill, NC; Srishti Shrestha, Univ of Mississippi, Jackson, MS; Vidya Kamath, Jennifer A. Deal, Johns Hopkins Univ, Baltimore, MD; Priya Palta, Columbia Univ, New York City, NY; Jay Pinto, Univ of Chicago, Chicago, IL

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Association of Depressive Symptoms With Exceptional Longevity: The Women’s Health Initiative
Carlos E Rosas, Univ of California San Diego, San Diego, CA; Steven Nguyen, UC San Diego HWSPH, La Jolla, CA; Aladdin H Shadyab, Univ of California San Diego, La Jolla, CA; Ariana M Stickel, San Diego State Univ, San Diego, CA; Shawnita Sealy-Jefferson, Michelle Naughton, Ohio State Univ, Columbus, OH; Lorena Garcia, Univ of California, Davis, Davis, CA; Gregory A Talavera, Linda C Gallo, San Diego State Univ, Chula Vista, CA; Andrea Z. LaCroix, Univ of California San Diego, San Diego, CA

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Favorable Ventricular-Arterial Mechanics Among Women is Associated With Better Mitochondrial Oxidation in the Left Ventricle
Jie Jun Wong, Natl Heart Ctr Singapore, Singapore, Singapore; Hongzhou Zhang, First Affiliated Hosp of Gannan Medical Univ, Ganzhou, China; Fei Gao, Shuang Leng, Ru San Tan, Liang Zhong, Natl Heart Ctr Singapore, Singapore, Singapore; Jean Paul Kovalik, Singapore General Hosp, Singapore, Singapore; Angela S Koh, Natl Heart Ctr Singapore, Singapore, Singapore

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Association of Hearing Impairment and Physical Functioning Among Chinese Adults Aged 60 Years or Older: Evidence From the China Health and Retirement Longitudinal Study (CHARLS)

Huiyuan Zhou, Duke Kunshan Univ, Kunshan, China; Zhengting He, Johns Hopkins Univ, Baltimore, MD; Xiong Ding, Duke Kunshan Univ, Kunshan, China; Jie Hao, Univ of Nebraska Medical Ctr, Omaha, NE; Xian Zhang, Lijing L Yan, Duke Kunshan Univ, Kunshan, China

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Association Between Cardiovascular Health Measured by Life's Essential 8 and Depressive Symptoms: Results From the 2014, 2016, and 2018 Korea National Health and Nutrition Examination Survey (KNHANES)
Jeong Hyun Ahn, YU JIN LEE, Sun Jae Jung, Yonsei Univ, Seoul, Korea, Republic of

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Cardiometabolic Multimorbidity Among Rural Low-Wage Workers Participating in a Worksite-Based Health Assessment
Ashley Burch, Elisabeth Lee, Paul Shackelford, East Carolina Univ, Greenville, NC; Paul Bolin, ECU Sch of Med, Greenville, NC

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HDL-C Variability and Peripheral Artery Disease
Pao Hsien Hsien Chu, Chang Gung Memorial Hosp, Taipei, Taiwan; Ying-Chang Tung, Linkou Chang Gung Memorial Hosp, Taoyuan, Taiwan

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Housing Instability and Cardiometabolic Health in the Rural South: Findings From Alabama Subcohort of the Rural Study
Nicole D Fields, Emory Univ, Atlanta, GA; Mahasin S Mujahid, Univ of California Berkeley, Berkeley, CA; Jesse Hsu, Alex C Watts, Univ of Pennsylvania, Philadelphia, PA; Peter Durda, Margaret E King, Univ of Vermont, Burlington, VT; Stephanie Broyles, Pennington Bio Rrch Ctr, Baton Rouge, LA; Ramachandran Vasan, Univ of Texas San Antonio, San Antonio, TX; Suzanne E Judd, Emory University, Atlanta, GA; Tene T Lewis, Emory Univ, Atlanta, GA

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Burden and Trends of Cardiovascular Disease and Its Attributable Risk Factor in Pakistan From 1990-2019: A Benchmarking Analysis
Khawaja Mushammar Hassan, Ameer-ud-Din Medical Coll, Lahore, Pakistan; Khawaja Momal Hassan, Lahore Medical and Dental Coll, Lahore, Pakistan; Khawaja Muthamimir Hassan, King Edward Medical Univ, Lahore, Pakistan; Fiza Farrukh, Medical Univ of Silesia, Katowice, Poland; Ameer Farrukh, Univ of Galway, Galway, Ireland; Mohsin Nazir, Ameer-ud-Din Medical Coll, Lahore, Pakistan; Muhammad umer, Ameer-ud-Din Medical Coll, Lahore, Pakistan; Aamna Ijaz, Rahbar Medical & Dental Coll, Lahore, Pakistan; Vinay Kumar Gadamidi, Virtua Health, Cherry Hill, NJ; Anjani Kumar Thota, Sinai Hosp of Baltimore, Baltimore, MD; Khush Dadhania, Hackensack Meridian Mountainside Medical Ctr, Pleasanton, CA; Nmair Alziadin, Portsmouth Regional Hosp, Dover, NH; Hardik Dineshbhai DESAI, Gujarat Adani Inst of Medical, Ahmedabad, India

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Associations of Urinary Zinc With Incident Peripheral Arterial Disease and Amputation in the Strong Heart Study
Claire Howlett, Filippo Ravalli, Kishan Bhatt, Irene Martínez-Morata, Columbia Univ, New York, NY; Richard Fabsitz, Missouri Breaks Industries Res Inc., Eagle Butte, SD; Maria Tellez-Plaza, Carlos III Health Insts, Madrid, Spain; Jason G Umans, MedStar Health Res Inst, Hyattsville, MD; Walter Goessler, Karl-Franzens Univ Graz, Graz, Austria; Maria Grau-Perez, Carlos III Health Insts, Madrid, Spain; Richard B Devereux II, Weill Cornell Med, New York, NY; Ana Navas-Acien, Columbia Univ, New York, NY

Predictive Abilities of Anthropometric Indicators for Cardiometabolic Risk Factors and Diseases: The UK Whitehall II Study

Glycemic Dysregulation Detected by Continuous Glucose Monitoring in Children With Metabolic Dysfunction-Associated Steatotic Liver Disease
Helaina Huneault, Ana Ramirez Tovar, Cristian Sanchez-Torres, Claudia Yaranga, Karla DeSantos, Zhulin He, Liliana Aguayo, Jean A Welsh, Miriam Vos, Emory Univ, Atlanta, GA

Higher Long-Term Fasting Glucose Variability From Childhood is Associated With Poorer Cognitive Function in Midlife: The Bogalusa Heart Study
Soo Jung Kang, Ileana De Anda-Duran, Tulane Univ, New Orleans, LA; Camilo Fernandez Alonso, Tulane Univ Health Sciences Ctr, New Orleans, LA; XUANYI JIN, Tulane Univ, New Orleans, LA; Owen Carmichael, Pennington Biomedical Res Ctr, Baton Rouge, LA; Lydia A Bazzano, Tulane Univ, New Orleans, LA

Greater Long-Term Non-High Density Lipoprotein Cholesterol Variability From Childhood is Associated With Poorer Midlife Cognitive Function: The Bogalusa Heart Study
Soo Jung Kang, Ileana De Anda-Duran, Tulane Univ, New Orleans, LA; Camilo Fernandez Alonso, Tulane Univ Health Sciences Ctr, New Orleans, LA; XUANYI JIN, Tulane Univ, New Orleans, LA; Owen Carmichael, Pennington Biomedical Res Ctr, Baton Rouge, LA; Lydia A Bazzano, Tulane Univ, New Orleans, LA

Association of Depression and Handgrip Strength With Morbidity and Mortality in Patients With Heart Failure: A Secondary Analysis From a Randomized Controlled Trial
Matthew E Lapa, Scott D Rothenberger, Kwonho Jeong, Matthew F Muldoon, Bea Belnap, Bruce L Rollman, Univ of Pittsburgh Sch of Med, Pittsburgh, PA

Sleep as a Cardiometabolic Risk Factor Following Release From Carceral Facilities
Johanna Elumn, SEICHE Ctr for Health and Justice, Yale Sch of Med, New Haven, CT; Inessa Cohen, Dept of Emergency Med, Yale Sch of Med, New Haven, CT; Jenerius Aminawung, Yale Univ, New Haven, CT; Lisa Puglisi, SEICHE Ctr for Health and Justice,
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Zahra Azizi, Trisha Gupte, Stanford Univ, Palo Alto, CA; Pik Fang Kho, Stanford Univ, Sunnyvale, CA; Kevin Nzenkue, Stanford Univ, Madison, TN; Jiayan Zhou, Stanford Univ, Palo Alto, CA; Rodrigo Guarischi-Sousa, Stanford Univ, Stanford, CA; Daniel Panyard, Stanford Univ, Palo Alto, CA; Ming-Li Chen, Stanford Univ, Cupertino, CA; Fahim Abbasi, Stanford Univ, Stanford, CA; Shoa L CLARKE, Stanford Univ, Palo Alto, CA; Philip S Tsao, Stanford Univ-VAPAHCS, Los Altos, CA; Themistocles L Assimes, Stanford Univ. Sch of Med, Palo Alto, CA

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Beyond MVPA: Machine Learning Insights Into Activity Patterns and Cardiometabolic Health in the National Health and Nutrition Examination Survey (NHANES) 2003-2004
Shivangi Bajpai, Univ of Massachusetts Amherst, Amherst, MA; Muge Capan, Univ of Massachusetts Amherst, Amherst, MA; Amanda E Paluch, Univ of Massachusetts Amherst, Amherst, MA

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Long-Term Mortality Prediction Model for HIV Patients With Heart Failure: Analysis From a Multi-Center Cohort Database in New York City Health + Hospitals
Yi-Yun Chen, Jacobi Medical Ctr/Albert Einstein Coll of Med, Bronx, NY; Pawel Borkowski, Jacobi Medical Ctr, Bronx, NY; Natalia Nazarenko, Jacobi Medical Ctr/Albert Einstein Coll of Med, Bronx, NY; Matthew Parker, Jacobi Medical Ctr/Albert Einstein Coll of Med, New York, NY; Luca Biavati, Coral Vargas-Pena, Ishmum Chowdhury, Joshua Bock, Jacobi Medical Ctr/Albert Einstein Coll of Med, Bronx, NY; Robert Faillace, Jacobi Medical Ctr, Bronx, NY; Leonidas Palaiodimos, Albert Einstein Coll of Med, Bronx, NY

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De Novo Exposomic Geospatial Assembly of the Stroke Belt With Machine Learning and Network Analysis
Andrew Deonarine, Boston Public Health Commission, Boston, MA; Ayushi Batwara, Univ of Berkeley, Berkeley, CA; Roy Wada, Shoba Nair, Puneet Sharma, Boston Public Health Commission, Boston, MA; Joseph Loscalzo, Harvard Medical Sch, Boston, MA; Bisola Ojikutu, Kathryn Hall, Boston Public Health Commission, Boston, MA

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Adherence to Time-Restricted Eating, Plasma Metabolomic Signatures, and Risk of Coronary Heart Disease
Yoriko Heianza, Tulane Univ, New Orleans, LA; Qi Sun, Harvard Sch of Public Health, Boston, MA; Emily M Drotz, Oona J DiMatteo, Tulane Univ, New Orleans, LA; Kathryn M Rexrode, Brigham and Womens Hosp, Boston, MA; Mona Alotaibi, Univ of California San
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1-year Outcomes of A1c Reduction, Weight Loss, and Lowered QRISK3 Scores in Type 2 Diabetes Remission: Insights From an RCCT Leveraging Whole-Body Digital Twin Technology
Shashank Joshi, Lilavati Hopsital, Joshi Clinic, Mumbai, India; Mala Dharmalingam, MS Ramaiah Medical Coll, Bangalore, India; Arun Vadavi, Sudha Prevention Ctr, Bangalore, India; Mohamed Thajudeen, Twin Health, Tirunelveli, India; Ashok Keshavamurthy, Suchitra Bhonsley, Twin Health, Bangalore, India; Paramesh Shamanna, Bangalore Diabetes Ctr, Bangalore, India

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Proteomic Profiling Identifies Mortality-Associated Markers in Coronary Artery Disease
Chang Liu, Qin Hui, Arshed A Quyyumi, Emory Univ, Atlanta, GA; Viola Vaccarino, Emory University, Atlanta, GA; Yan Sun, Emory Univ, Atlanta, GA

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Understanding the Association Between Resilience Factors and Lifestyle-Based CVD Prevention Among Young Adults in Puerto Rico
Andrea Lopez-Cepero, Emory Univ, Atlanta, GA; Milagros C Rosal, UMass Chan Medical Sch, Worcester, MA; Cynthia Perez, Univ of Puerto Rico, San Juan, Puerto Rico

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Pre-Stroke Use of Dipeptidyl Peptidase-4 Inhibitors in Elderly Patients May Reduce Neurological Severity at the Onset of Stroke: A Retrospective Cohort Study
Takahisa Mori, Tetsundo Yano, Kazuhiro Yoshioka, Yuichi Miyazaki, Shonan Kamakura General Hosp, Kamakura, Japan

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Pooled Cohort Equation Performance at Quantile Thresholds of African and European Ancestry Among Hispanic/Latino: Findings From Multi-Ethnic Study of Atherosclerosis (MESA)
Bede N Nriagu, New York Medical Coll, New York, NY; Karen Flores Rosario, Duke Univ Hosp, Durham, NC; Spencer Hansen, Univ of Washington, Seattle, WA; Priscilla Duran Luciano, Albert Einstein Coll of Med, Bronx, NY; Robyn McClelland, Univ of Washington, Seattle, WA; Parag H Joshi, UT Southwestern Medical Ctr, Dallas, TX; Anurag Mehta, Virginia Commonwealth Univ, Glen Allen, VA; Amit V Khera, Massachusetts General Hosp, Boston, MA; Robert Kaplan, Albert Einstein Coll of Med, Bronx, NY; Robert Kaplan, Albert Einstein Sch of Med, Bronx, NY

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Hispanic/Latino Ethnic Background and Genetic Ancestry in Relation to Atherosclerotic Cardiovascular Disease Risk Estimation: Insights From the Multi-Ethnic Study of Atherosclerosis (MESA)
Bede N Nriagu, New York Medical Coll/Metropolitan Hosp, New York, NY; Karen Flores Rosario, Duke Univ Hosp, Durham, NC; Spencer Hansen, Univ of Washington, Seattle, WA; Priscilla Duran Luciano, Albert Einstein Coll of Med, Bronx, NY; Parag H Joshi, UT Southwestern Medical Ctr, Dallas, TX; Anurag Mehta, Virginia Commonwealth Univ, Glen Allen, VA; Amit V Khera, Massachusetts General Hosp, Boston, MA; Robert Kaplan, Albert Einstein Coll of Med, Bronx, NY; Parag H Joshi, UT Southwestern Medical Ctr, Dallas, TX; Anurag Mehta, Virginia Commonwealth Univ, Glen Allen, VA; Amit V Khera, Massachusetts General Hosp, Boston, MA; Robert Kaplan, Albert
Einstein Coll of Med, Bronx, NY; Tamar Sofer, BWH, Harvard Univ, Boston, MA; Carmen A Peralta, Cricket Health, UCSF, and SFVA, San Francisco, CA; Robyn McClelland, Univ of Washington, Seattle, WA; Carlos Jose Rodriguez, Albert Einstein Sch of Med, Bronx, NY

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Effects of a Laughter Program on Cardiovascular Risk Factors in Community-Dwelling Older Adults
Tetsuya Ohira, Narumi Funakubo, Fukushima Medical Univ, Fukushima, Japan; ERI Eguchi, Univ of Minnesota, Minneapolis, MN; Kokoro Shirai, Dept of Social Med, Osaka Univ Graduate Sch of Med, Suita, Japan

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Relationship Between Body Mass Index, Waist Measurement, Six-Minute Walk Performance and Whole-Body Strength in Adults With Cardiovascular Disease: Findings From the Lifestyle Heart Health Study
Belinda J Parmenter, Kelly McLeod, Xiaoqi Feng, UNSW Sydney, Sydney, Australia

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The Impact of Obesity Severity on Left Ventricular Mass Index in Adults With Congenital Heart Disease
Stephen C Ream, The Ohio State Univ/Nationwide Children's Hosp, Columbus, OH; Andrew H Tran, May Ling Mah, Marc Lee, Nationwide Children's Hosp, Columbus, OH; Curt Daniels, The Ohio State Univ, Columbus, OH; Kan N Hor, Nationwide Children's Hosp, Columbus, OH

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Incorporating Behavioral and Social Determinants of Health Variables Into a Machine Learning Model Predicting Cardiometabolic Disease

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Sex Differences in Krebs Cycle Metabolites May Explain Differential Predisposition to Cardiovascular Disease
Christopher Stone, Brown Univ, Providence, RI; Dwight Harris II II, Brown Univ, Boston, MA; Madigan Stanley, Debolina Banerjee, Mark Broadwin, Krishna Bellam, Yonatan Najman-Licht, Frank W Sellke, Brown Univ, Providence, RI; Anny Usheva, Brown Univ, Bryn Mawr, PA

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In Africans With Abnormal Glucose Tolerance the Triglyceride-Glucose Index is a Feasible, Effective Way to Distinguish Between Beta-Cell Failure and Insulin Resistance
Charlita Worthy, Natl Insts of Health, Bethesda, MD; Pramodkumar Aravindakshan, Emory Univ, Atlanta, GA; Mariam Sayed, Eliza Huefner, Jamaica Hurston, Natl Inssts of Health, Bethesda, MD; Christopher W DuBose, Natl Inst of Health, Bethesda, MD; Ram Jagannathan, Emory Univ, Atlanta, GA; Anne E Sumner, Natl Inssts of Health, Bethesda, MD

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Telephone Lifestyle Coaching - Sex Differences in Referrals and Enrollment During National Implementation
Melissa Farmer, Veterans Health Admin, North Hills, CA; Kimberly Claire, VA Greater Los Angeles Health Sys, Los Angeles, CA; Catherine Chanfreau, Dept of Veterans Affairs, Salt Lake City, UT; Sophia Hurley, Eric Pear, Michael Goldstein, Jane Kim, Susan Raffa, VHA Natl Ctr for Health Promotion and Disease Prevention, Durham, NC; Alison Hamilton, UCLA Dept of Psychiatry, Los Angeles, CA; **Bevanne Bean-Mayberry**, VA Greater Los Angeles Health Sys, North Hills, CA

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Understanding Participant Perspectives Towards the Formation of a National Participant Advisory Board Within the Reasons for Geographic and Racial Differences in Stroke (REGARDS) Study: A Qualitative Study
**Demetria M Hubbard**, Marquita S. Brooks, Suzanne E Judd, Univ of Alabama at Birmingham, Birmingham, AL; Monika M Safford, Weill Cornell Med, New York, NY; Emily B Levitan, Virginia J Howard, Univ of Alabama at Birmingham, Birmingham, AL; Elizabeth Baquero, Weill Cornell Med, New York, NY; Tomi Akinyemiju, Duke Univ, Durham, NC; Lonnie Hannon III, Univ of Alabama at Birmingham, Birmingham, AL; Madeline R Sterling, Weill Cornell Med, New York, NY

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Lessons Learned From the Implementation of a Peer-to-Peer Cardiology Consultation Program in Federally Qualified Health Centers
**Emily Tolbert**, Cassie Walker, American Heart Association, Dallas, TX

P02.05 Environmental Exposures

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Age-Sex Differences in the Global Burden of Deaths and Disability Due to Cardiovascular Disease Attributable to Environmental Risk Factors and Its Trend From 1990-2019 in G20 Countries: A Benchmarking Analysis
**Hardik Dineshbhai DINISHBHAI Desai**, Gujarat Adani Inst of Medical Sciences, Affiliated to K.S.K.V Univ, Bhuj, India; Khush Dadhania, Hackensack Meridian Mountainside Medical Ctr, Pleasanton, CA; Anjani Kumar Thota, Sinai Hosp of Baltimore, Baltimore, MD; Vinay Kumar Gadamidi, Virtua Health, Cherry Hill, NJ; Priyatha VEMPARALA, All India Inst of Medical Sciences, Telangana, India; Anusha Parisapogu, Mayo Clinic, Rochester, MN; Nmair Alziadin, Portsmouth Regional Hosp, Dover, NH; Juhi PATEL, G.M.E.R.S Medical Coll Valsad, Valsad, India; Krupa MADHU, GMERS Medical Coll, Gandhinagar, India

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**Peter M Graffy**, Ashwin Sunderraj, Maxime A Visa, Corinne Miller, Benjamin Barrett, Northwestern Univ, Chicago, IL; Sheetal Rao, Univ of Illinois Chicago, Clarendon Hills, IL; Sara F Camilleri, Ryan D Harp, Chuxuan Li, Anne Brenneman, Abel Kho, Daniel E Horton, Northwestern Univ, Chicago, IL; Nnorina B Allen, NORTHWESTERN UNIVERSITY, Chicago, IL

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The Association Between Maternal Occupation and Adverse Birth Outcomes Among Infants With Congenital Heart Defects
Jenil Patel, UTHealth Houston Sch of Public Health, Dallas, TX; Omobola Oluwafemi, A J Agopian, Renata Benjamin, UTHealth Houston Sch of Public Health, Houston, TX; Charles Shumate, Texas Dept of State Health Services, Austin, TX; David Gimeno, UT Health Science Ctr San Antonio, San Antonio, TX

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Associations Between Short-Term Outdoor Heat Measures and Markers of Immune Response and Inflammation
Daniel W. Riggs, Sonia Cobbold, Clara G. Sears, Marina Malovichko, Israel Sithu, Brian E. Sansbury, Rachel J Keith, Sanjay Srivastava, Aruni Bhatnagar, Univ of Louisville, Louisville, KY

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Cross-Sectional and Longitudinal Associations Between Fast Food Outlet Access and Inflammatory Markers in the US-Based Nurses’ Health Study II

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Alteration of Cardiac Autonomic Function Through Inhalation of Biogenic Volatile Organic Compounds
Cameron K Stopforth, Jacqueline Gallagher, Aruni Bhatnagar, Rachel J Keith, Univ of Louisville, Louisville, KY

P02.06 Health Services Research, Outcomes and Practice Improvement

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Evaluation of Organizational Behavior in a Rural Cardiology Clinic
Ghaith Al Tibi, Rakin Islam, Taskin Forkan, Saad Ahmed, Albert Einstein Coll of Med, Bronx, NY; Samuel Miller, Rush Medical Coll, Chicago, IL; Nicolas Chronos, Lake Country Medical Group, Eatonton, GA

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Nativity Explains Disparities in Provider Experience Scores Among Asian and Pacific Islander Patients With and Without Cardiovascular Disease
Lily Amaturo, Stanford Univ Sch of Med, Stanford, CA; Adrian M Bacon, Stanford Univ Sch of Med, Mountain View, CA; Sophia Gibbs, Univ of Minnesota Sch of Med, Minneapolis, MN; Ana G Rosales, Kaiser Permanente Ctr for Health Res, Portland, OR; Timothy B Frankland, Kaiser Permanente Ctr for Integrated Health Care Res, Honolulu, HI; Jiang Li, Sutter Health, Palo Alto, CA; Yihe Daida, Kaiser Permanente Ctr for Integrated Health Care Res, Honolulu, HI; Stephen P Fortmann, Kaiser Permanente, Portland, OR; Latha Palaniappan, Stanford Univ, Stanford, CA

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The Mississippi Rural Community Listening Project
Christina D. Ferrell, Univ of Mississippi Medical Ctr, Jackson, MS; Akachi Awuruonye, Eastern Virginia Medical Sch, Norfolk, VA; Kisa K Harris, Tougaloo Coll, Jackson, MS, Jackson, MS; Sandra Carr-Melvin, Global Health Solutions, LLC, Madison, MS; Felicia V. Caples, Dantwan S. Smith, Univ of Mississippi Medical Ctr, Jackson, MS; Vasan S
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Ben King, Univ of Houston, Humana Integrated Health Systems Sciences Inst, Houston, TX; Stephanie Sanchez, Daniel Medford, Winston Liaw, Luan Tran, Marina Arocha, Univ of Houston, Tilman J Fertitta Family Coll of Med, Houston, TX; Omolola E Adepoju, LeChauncy Woodard, Univ of Houston, Humana Integrated Health Systems Sciences Inst, Houston, TX; Bruno Moscoso, Ishita Sharma, Univ of Houston, Tilman J Fertitta Family Coll of Med, Houston, TX

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Teresa N Harrison, Kaiser Permanente Southern CA, Pasadena, CA; Janet Mora Marquez, Liang Ni, Angeline L Ong, Jeffrey W Brettler, Kaiser Permanente Southern California, Pasadena, CA; Greg Wozniak, American Medical Association, Elmhurst, IL; Brent Egan, American Medical Association, Greenville, SC; Michael Rakotz, American Medical Association, Chicago, IL; Kristi Reynolds, Jaejin An, Kaiser Permanente Southern California, Pasadena, CA

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Sarah Krumholz, Krystal Ramos Barrera, Univ of Vermont, Burlington, VT; Nels Olson, Univ of Vermont, Colchester, VT; Leann Long, Univ of Alabama at Birmingham, Birmiham, AL; Suzanne E Judd, UAB, Birmiham, AL; Virginia J Howard, Univ of Alabama-Birmingham, Birmiham, AL; Mary Cushman, Univ Vermont, Colchester, VT; Tim B Plante, Univ of Vermont, Colchester, VT

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Eduardo Sanchez, Celicia Cardoso, American Heart Association, Dallas, TX; Sondi Fiegel, American Heart Association, Waxahachie, TX; Nekeisha Harrison, Natl Ctr - AHA, Dallas, TX; David Pena, American Heart Association, Addison, TX; Jan Pillai, American Heart Association, Allen, TX; Sonia Ramirez, American Heart Association, Dallas, TX; Alison Smith, AHA AMA, Chicago, IL; Ashley Wagner, American Heart Association, Madison, WI

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Avery J Campbell, Univ of Vermont Larner Coll of Med, Burlington, VT; Katherine Wilkinson, Timothy B Plante, Nels Olson, Univ of Vermont, Colchester, VT; Brittnye Palermo, Univ of Vermont Larner Coll of Med, Grand Isle, VT; Ryan M Irvin, Univ Alabama Birmingham, Birmingham, AL; Russell P. Sawyer, Univ of Cincinnati Coll of Med, Cincinnati, OH; Mary Cushman, Univ Vermont, Colchester, VT

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Yang Pan, Xiao Sun, Univ of Illinois at Chicago, Chicago, IL; Zhijie Huang, Tulane, New Orleans, LA; Ruiyuan Zhang, Tulane Univ, New Orleans, LA; Brenna Kirkpatrick, Avi Aronov, Univ of Illinois at Chicago, Chicago, IL; Changwei Li, Tulane Univ, New Orleans, LA; Tanika N Kelly, Univ of Illinois Chicago, Chicago, IL

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Masayuki Teramoto, Depts of Epidemiology and Biostatistics, Univ of California San Francisco, San Francisco, CA; Tina Hoang, San Francisco Veterans Affairs Medical Ctr, San Francisco, CA; Stephen Sidney, Kaiser Permanente Northern California, Oakland, CA; James G Terry, Vanderbilt Univ Medical Ctr, Nashville, TN; Mark J Pletcher, Depts of Epidemiology and Biostatistics, Univ of California San Francisco, San Francisco, CA; Gregory M Marcus, Depts of Cardiology, Univ of California San Francisco, San Francisco, CA; Thomas Hoffmann, Depts of Epidemiology and Biostatistics, Univ of California San Francisco, San Francisco, CA; Kristine Yaffe, Dept of Psychiatry and Behavioral Sciences, Univ of California, San Francisco, CA

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Adrianna Isabel Acevedo-Fontanez, Caterina Rosano, Univ of Pittsburgh, Pittsburgh, PA; Kristine Yaffe, Univ of California, San Francisco, San Francisco, CA; J Jeffrey Carr, Vanderbilt Univ, Nashville, TN; James G Terry, Vanderbilt Univ Medical Ctr, Nashville, TN; Sangeeta Nair, VUMC, Nashville, TN; Ryan Čvejkus, Univ of Pittsburgh, Pittsburgh, PA; Iva Miljkovic, Univ Pittsburgh, Pittsburgh, PA

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Jennifer L Carter, Univ of Oxford, Oxford, United Kingdom

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Fatemeh Choupani, Seattle Univ, Seattle, WA

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Tomas Karpati, Holon Inst of Technology, Holon, Israel; Tsafnat Test, Ben-Gurion Univ of the Negev, RETAMIM, Israel; Orna Reges, Ariel Univ, Ariel, Israel

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Noelle Pavlovic, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Martha Abshire Saylor, Johns Hopkins Univ, Eldersburg, MD; Cheryl R Dennison Himmelfarb, Johns Hopkins Univ, Baltimore, MD; Yvonne Commodore-Mensah, Johns Hopkins Sch of Nursin, Baltimore, MD; Amil M Shah, UT Southwestern Medical Ctr, Dallas, TX; Kuni Matsushita, Johns Hopkins Univ, Baltimore, MD

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Andrea Kozai, Univ of Pittsburgh, Pittsburgh, PA; Bethany Barone Gibbs, West Virginia Univ, Morgantown, WV; Sadiya S Khan, Northwestern Univ, Oak Park, IL; William Grobman, Ohio State Univ, Columbus, OH; Lisa Levine, Univ of Pennsylvania, Philadelphia, PA; Rebecca McNeil, RTI Intl, Durham, NC; Samuel Parry, Univ of Pennsylvania, Philadelphia, PA; Janet M Catov, Univ of Pittsburgh, Pittsburgh, PA

Association Between Psychological Distress and Cardiovascular Health Among Pregnant Individuals in the United States: Findings From Nationally Representative Data
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Jaclyn D Borrowman, Willaim Story, The Univ of Iowa, Iowa City, IA; Lucas Carr, Gary L Pierce, Univ of Iowa, Iowa City, IA; Bethany Barone Gibbs, West Virginia Univ, Morgantown, WV; Kara M Whitaker, Univ of Iowa, Iowa City, IA

The Influence of Social Support on Heart Disease Risk Factor Knowledge in Texas African American Women
Brittny Bratcher-Rasmus, ATW Health Solutions/ Texas Southern Univ, Houston, TX; Marilyn Massey-Stokes, Texas Woman's Univ, Denton, TX

A County Community Health Fair Served as a Strategy to Encourage Participation in Research Study
Felicia V. Caples, Univ of Mississippi Medical Ctr, Jackson, MS; Tina D. Ferrell, Univ of Mississippi Medical Ctr, Natchez, MS; Kisa K. Harris, Dantwan S. Smith, Eric D. Lucas Jr., Kenyatta A. Poe, Univ of Mississippi Medical Ctr, Jackson, MS; Vasan S Ramachandran, UT Sch of Public Health, San Antonio, TX; Frances C. Henderson, Univ of Mississippi Medical, Millbrae, CA; Ervin R Fox, Univ of Mississippi Medical Ctr, Jackson, MS

Systematic Review of Self-Management Interventions for Black Women With Cardiovascular Risk Factors
Emma Church, Erika Kelley, Taylor Maniglia, Univ Hosp & Case Western Reserve Univ, Cleveland, OH; Rhea Kohli, Case Western Reserve Univ, Cleveland, OH; Martha Sajatovic, Jennifer B. Levin, Univ Hosp & Case Western Reserve Univ, Cleveland, OH

Targeted Facebook Ads Increased Engagement Among Rural Communities During Pre-Recruitment Phases of the Mississippi Core of the Risk Underlying Rural Areas Longitudinal Study
Kisa K. Harris, Abril Grant, Felicia V. Caples, Christina D. Ferrell, Dantwan S. Smith, Eric D. Lucas, Kenyatta A. Poe, Univ of Mississippi Medical Ctr, Jackson, MS; Ramachandran S. Vasan, The Univ of Texas Health Science Ctr, San Antonio, TX; Frances C. Henderson, Ervin R. Fox, Univ of Mississippi Medical Ctr, Jackson, MS

Regularity in Sleep and Eating Timing is Associated With Decreased Carotid Intima-Media Thickness in Healthy Young Adults
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**Differences in Perceived General Health and Health Care Utilization by Race and Ethnicity During the COVID Pandemic: The C4R-MESA Study**


**P369**

**Patterns of American Heart Association "Life's Essential 8" Scores in Children With Down Syndrome**

**Boris Tirado**, Univ of Utah, Salt Lake Cty, UT; Robert Merrill, Univ of Utah, Salt Lake City, UT; Sarah D De Ferranti, Boston Childrens Hosp, Boston, MA; Linda M Lambert, Univ of Utah-PCH Heart Ctr, Salt Lake City, UT; Brian W McCrindle, The Hosp for Sick Children, Toronto, ON, Canada; Richard V Williams, Univ of Utah, Salt Lake City, UT; Adam L. Ware, Univ of Utah, Salt Lake City, UT

**P370**

**Prevalence of the AHA Life's Essential 8 in Midlife Women and Its Prospective Associations With Total Mortality and Cardiovascular Diseases Events: The Study of Women’s Health Across the Nation (SWAN)**

**Ziyuan Wang**, Emma Barinas-Mitchell, Maria M Brooks, Univ of Pittsburgh, Pittsburgh, PA; Carol A Derby, Albert Einstein Coll Med, Bronx, NY; Jared W Magnani, Rebecca C Thurston, Samar R El Khoudary, Univ of Pittsburgh, Pittsburgh, PA

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**The Retrain Your Brain for Healthy Eating Study: Promising Results in Reducing Cravings and Supporting Healthier Eating Habits Among Diverse Patients With Obesity**


**P372**

**Behavioral Cardiovascular Health in Children With Chronic Conditions**

**Rachel Zmora**, Yaojie Wang, Darci Phillips, Aashima Chopra, Northwestern Univ, Chicago, IL; Amanda M Marma, Lurie Children's Hosp, Chicago, IL; Donald M Lloyd-Jones, Northwestern Univ, Chicago, IL; Sarah D De Ferranti, Boston Children's Hosp, Boston, MA;
**P02.13 Social Determinants of Health**

**P373**
**Psychosocial Risk and Resilience Profile in Rural Alabama: A Preliminary Analysis of Risk Underlying Rural Areas Longitudinal (RURAL) Study**

*Larissa Benjamin*, Univ of California Berkeley, Berkeley, CA; *Stephanie Broyles*, Pennington Bio Rrch Ctr, Baton Rouge, LA; *Ramachandran S Vasan*, UT Sch of Public Health, San Antonio, TX; *Viola Vaccarino*, Emory Univ Rollins Schl Public Hlth, Atlanta, GA; *Tene T Lewis*, Emory Univ, Atlanta, GA; *Mahasin S Mujahid*, Univ of California Berkeley, Berkeley, CA

**P374**
**Understanding the Mediating Role of Allostatic Load on the Relationship Between Long-Term Financial Strain and Subclinical CVD Among Black Women: The Study of Women's Health Across the Nation (SWAN)**

*Brittany Brown-Podgorski*, Emma Barinas-Mitchell, Jared W Magnani, Maria M Brooks, Rebecca C Thurston, Univ of Pittsburgh, Pittsburgh, PA; *Imke Janssen*, Rush Univ Medical Ctr, Chicago, IL; *Sherri-Ann M Burnett-Bowie*, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA; *Carrie Karvonen-Gutierrez*, Univ of Michigan, Ann Arbor, MI; *Marian Jarlenski*, Univ of Pittsburgh, Pittsburgh, PA

**P375**  **Cardiometabolic Risk Factors and Socioeconomic Status Indices in Young Adults in Latin America: A Systematic Review and Meta-Analysis of Observational Studies**

*Adriana Buitrago-Lopez*, Pontificia Univ Javeriana, Bogota, Colombia; *Cristina Pellegrino Baena*, Jose Faria Neto, PUCPR, Curitiba, Brazil

**P376**
**Comparison of Heart Failure Admission Rates Between Rural-Urban Continuum Code Designations**

*William B Burrows*, Jimmy Robinson, Univ of Kentucky, Lexington, KY; *Mary Elizabeth L Leigh*, UK Coll of Public Health, Lexington, KY; *Meredith Stevenson Duncan*, Univ of Kentucky, Lexington, KY; *Anna Kucharska-Newton*, Univ North Carolina, Chapel Hill, NC

**P377**
**Association Between Area Deprivation and Premature Cardiovascular Mortality in South Korea**

*Hyeon Chang Kim*, Eunji Kim, Hokyou Lee, Yonsei Univ, Seoul, Korea, Republic of; *Donald M Lloyd-Jones*, Northwestern Univ, Chicago, IL; *Young Gyu Ko*, Busan Public Health Policy Inst, Busan, Korea, Republic of; *Byoung Gwon Kim*, Busan Natl Univ, Busan, Korea, Republic of

**P378**
**Life’s Essential 8 and Personal Income Level in Korean Adults**
P380
Fatherhood and Cardiovascular Health: The Coronary Artery Risk Development in Young Adults (CARDIA) Study
John James Parker, Northwestern Univ, Chicago, IL; Craig F Garfield, Northwestern Univ, Evanston, IL; Clarissa D. Simon, Lurie Children's Hosp of Chicago, Chicago, IL; Laura A Colangelo, Northwestern Univ, Chicago, IL; Michael P. Bancks, Wake Forest Sch of Med, Winston Salem, NC; Jamal S. Rana, Kaiser Permanente, Oakland, CA; Kelley P Gabriel, Univ of Alabama at Birmingham, Birmingham, AL; Norrina B Allen, Northwestern Univ, Chicago, IL

P381
Geographic Variation in Financial Strain and Food Insecurity After the COVID-19 Pandemic: Implications for Cardiovascular Health Equity
Jewel Scott, Ebony Toussaint, Univ of South Carolina, Columbia, SC; Charles Ellis Jr., Univ of Florida, Gainesville, FL; Gayenell S Magwood, Univ of South Carolina, Columbia, SC

P382
Epigenetic Regulation of the NF-kB Pathway by the Neural-Hematopoietic-Inflammatory Axis as a Potential Link Between Psychosocial Stress and Cardiovascular Risk: Data From the Washington DC Cardiovascular Health and Needs Assessment

P383
Factors That Improve Young Men Participation in Rural Research: Findings From the Mississippi Core of the Risks Underlying Rural Areas Longitudinal (RURAL) Study
Dantwan Smith, Eric Lucas, Kenyatta Poe, Felicia Caples, Christina Ferrell, Kisa Harris, Univ of Mississippi Medical Ctr, Jackson, MS; Ramachandran Vasan, Boston Univ, Boston, MA; Frances Henderson, Univ of Mississippi Medical, Jackson, MS; Ervin R Fox, Univ of Mississippi Medical Ctr, Jackson, MS

P384
Longitudinal Associations of Deprived Neighborhoods With Incident Cardiovascular Disease and Cardiovascular Mortality Among UK Biobank Participants
Kosuke Tamura, Yangyang Deng, Moniruzzaman Mohammad, Breanna Rogers, Natl Inst on Minority Health and Health Disparities, Natl Insts of Health, Bethesda, MD; Ram Jagannathan, Emory Univ, Decatur, GA; Lu Hu, NYU Grossman Sch of Med, New York, NY; Veronique L Roger, NIH, Bethesda, MD; Leonardo Marino-Ramirez, Natl Inst on Minority Health and Health Disparities, Natl Insts of Health, Bethesda, MD

P385
Comparison of Food Insecurity Classifications and Associations With Premature Cardiovascular Disease Mortality Among US Adults
Ling Tian, Tulane Univ, New Orleans, LA; Byron C Jaeger, Wake Forest Sch of Med, Winston Salem, NC; Kirsten Dorans, Tulane Univ, New Orleans, LA; Jing Chen, Tulane Sch of Med, New Orleans, LA; Jiang He, Joshua D Bundy, Tulane Univ, New Orleans, LA
P386
Associations of Gut Microbiome, but Not Microbial Metabolites, With Hypertension Differ by Race: Findings From the Baltimore Longitudinal Study of Aging
Curtis Tilves, Univ of Colorado, Aurora, CO; Toshiko Tanaka, Natl Inst on Aging, Baltimore, MD; Moira K Differding, Adam Spira, Johns Hopkins Univ, Baltimore, MD; Chee Chia, Luigi Ferrucci, Natl Inst on Aging, Baltimore, MD; Noel Mueller, Univ of Colorado, Aurora, CO

P387
Research Participation Rates and Characteristics in Underrepresented Groups in a West Virginia-Based Pregnancy Cohort Study
Katrina L Wilhite, Bethany Barone Gibbs, West Virginia Univ, Morgantown, WV; Kara M Whitaker, Univ of Iowa, Iowa City, IA; Carly Williamson, Elly Marshall, Lindsay Morris-Neuberger, West Virginia Univ, Morgantown, WV

P388
Higher Social Vulnerability Was Associated With Less Community-Based Rehabilitation Utilization After Stroke
Shuqi Zhang, UNC at Chapel Hill, Chapel Hill, NC; Janet Freburger, Univ of Pittsburgh, Pittsburgh, PA; Anna M Johnson, Univ of North Carolina, Chapel Hill, NC; Charity Patterson, Univ of Pittsburgh, Pittsburgh, PA; Sara Jones, UNC at Chapel Hill, Chapel Hill, NC

P02.14 Surveillance

P389
Prevalence, Awareness, Treatment, and Control of Major Cardiovascular Risk Factors in Rural Alabama
Lindsay R Pool, Natl Ins of Health, Bethesda, MD; Peter Durda, Univ of Vermont, Colchester, VT; Suzanne E Judd, Univ of Alabama at Birmingham, Birmingham, AL; Ramachandran Vasan, Univ of Texas Health Science Ctr at San Antonio, San Antonio, TX

P390
Cardiometabolic Disease Prevalence Are Inconsistent by Racial Group Across Three National United States Datasets From 2015 to 2021
Zeel Thakkar, Yan Wu, Mohammed A Khan, Stanford Univ Ctr for Asian Health Res and Education, Stanford, CA; Xinran Qi, Johns Hopkins Univ, Baltimore, MD; George Hung, Nicholas T Kikuta, Stanford Univ Ctr for Asian Health Res and Education, Stanford, CA; Malathi Srinivasan, Robert Jeffrey Huang, Stanford Univ Sch of Med, Stanford, CA; Armaan Jamal, Johns Hopkins Univ, Baltimore, MD; Gloria Kim, Latha Palaniappan, Adrian Bacong, Stanford Univ Sch of Med, Stanford, CA

P02.15 Other Categories

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Case Review of Congenital Ectopic Coronary Artery Disease
Ayomide Ogundipe, Arkansas Coll of Osteopathic Med, Fort Smith, AR; Abdul-Nasser Adjei, Baptist Fort Smith Medical Ctr, Fort Smith, AR

Moderated Posters
MPS05 Nutrition
Moderator:
Casey M. Rebholz, PhD, MS, MNSP, MPH, FAHA

MP25
Effect of Marine Omega-3 Fatty Acids on Risk of Incident Cardiovascular Disease Among
Individuals With Non-Alcoholic Fatty Liver Disease: Secondary Analysis of a
Randomized Clinical Trial.
Frank Qian, Boston Medical Ctr, Boston, MA; Remi N Ajala, Yale Univ, New Haven, CT;
Chunying Li, Heike Luttmann-Gibson, Olga Demler, Nancy R Cook, I-Min Lee, Julie Buring,
Xuehong Zhang, Brigham and Women's Hosp, Boston, MA; Jacqueline Danik, Massachusetts
General Hosp, Boston, MA; JoAnn Manson, Samia Mora, Brigham and Women's Hosp,
Boston, MA

MP26
Dietary Patterns, Metabolome Profile and Risk of Type 2 Diabetes
Huan Yun, Harvard Chan Sch of Public Health, Boston, MA; Jie Hu, Massachusetts General
Hosp, Boston, MA; Vishal Sarsani, Harvard Chan Sch of Public Health, Boston, MA; Xavier
Loffree, Univ of Waterloo, Waterloo, ON, Canada; Kai Luo, Albert Einstein Coll of Med,
Bronx, NY; Zihan Wang, Harvard Medical Sch, Boston, MA; Fenglei Wang, Harvard T.H.
Chan Sch of Public Health, Boston, MA; Deidre Tobias, Harvard Chan Sch of Public Health,
Boston, MA; Daniela Sotres-Alvarez, UNC Chapel Hill, Chapel Hill, NC; Jianwen Cai, Univ of
North Carolina at Chapel Hill, Chapel Hill, NC; Bharat Thyagarajan, Univ of Minnesota,
Minneapolis, MN; Oana Zeleznik, Harvard Chan Sch of Public Health, Boston, MA; Mercedes
Sotos Prieto, Autonomous Univ of Madrid, Madrid, Spain; Robert Burk, Yasmin Mossavar-
Rahmani, Albert Einstein Coll of Med, Bronx, NY; Josiemer Mattei, Harvard Chan Sch Public
Health, Boston, MA; A Eliassen, Harvard Chan Sch of Public Health, Boston, MA; Johanna
Lampe, Fred Hutchinson Cancer Ctr, Seattle, WA; Kathryn M Rexrode, Brigham and Womens
Hosp, Boston, MA; Clary Clish, Broad Inst of MIT and Harvard, Cambridge, MA; Qi Sun,
Harvard Sch of Public Health, Boston, MA; Eric Boerwinkle, UTHealth, Houston, TX; Robert
of Public Health, Boston, MA; JoAnn Manson, Brigham and Women’s Hosp and Harvard
Medical Sch, Boston, MA; Bing Yu, Univ of Texas Health Science Ctr at Houston, Houston,
TX; Qibin Qi, Albert Einstein Coll of Med, Bronx, NY; Frank B Hu, Harvard Sch of Public
Health, Boston, MA; Liming Liang, Harvard Univ, Boston, MA; Jun Li, Brigham and Womens
Hosp, Boston, MA; Mercedes Sotos-Prieto, Autonomous Univ of Madrid, Madrid, Spain

MP27
Use of Multivitamin Supplements and Risks of Total and Cause-Specific Mortality Among
U.S. Adults
Ming Ding, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Yu-Han Chiu, Harvard
T.H. Chan Sch of Public Health, Brookline, MA; André O Markon, U.S. Food and Drug
Admin, College Park, MD; Siwen Wang, Harvard Sch of Public Health, Boston, MA; JoAnn E
Manson, Harvard T.H. Chan Sch of Public Health, Boston, MA; Frank B Hu, Harvard Sch of
Public Health, Boston, MA; Walter C Willett, Harvard T.H. Chan Sch of Public Health, Boston,
MA; Edward L Giovannucci, Harvard Sch of Public Health, Boston, MA; Beverly J Wolpert,
U.S. Food and Drug Admin, College Park, MA; Jorge E Chavarro, Harvard Sch of Public
Health, Boston, MA

MP28
Declines in Plasma Levels of Nonnutritive Sweetener Erythritol Are Related to Two-Year Improvements in Atherosclerotic Cardiovascular Disease Risk Estimates Among Adults With Overweight and Obesity

Yoriko Heianza, Tulane Univ, New Orleans, LA; Jennifer Rood, Pennington Biomedical Res Cent, Baton Rouge, LA; Catherine M Champagne, Pennington Biomedical Resrch Ctr, Baton Rouge, LA; JoAnn E Manson, Brigham and Women's Hosp, Boston, MA; George Bray, Pennington Res Inst, Baton Rouge, LA; Frank M Sacks, Harvard T.H. Chan Sch of Public Health, Boston, MA; Lu Qi, Tulane Univ, New Orleans, LA

MP29 Ready-to-Eat Food Environment and Risk of Incident Type 2 Diabetes: A Prospective Cohort Study

Xiang Li, Minghao Kou, Qiaochu Xue, Hao Ma, Xuan Wang, Lu Qi, Tulane Univ, New Orleans, LA

MP30 Sugar-Sweetened Beverages, Fruit Juices, and Whole Fruits Throughout Childhood and Adolescence and Glycemic Outcomes in Late Adolescence in Project Viva

Soren Harnois-Leblanc, Jessica G Young, Sheryl L Rifas-Shiman, Karen M Switkowsk, Harvard Pilgrim Health Care Inst, Boston, MA; Wei Perng, Colorado Sch of Public Health, Aurora, CO; Izzuddin M Aris, Emily Oken, Marie-France Hivert, Harvard Pilgrim Health Care Inst, Boston, MA

MP31 Incident Type 2 Diabetes Onset Age and Duration, Mortality Risk, and Loss in Life Expectancy

Yin Zhang, Mingyang Song, Molin Wang, Ellen Hertzmark, Kana Wu, A. Heather Eliassen, Lorelei Mucci, Qi Sun, Meir Stampfer, Walter Willett, Frank Hu, Edward Giovannucci, Harvard Sch of Public Health, Boston, MA

MP32 Associations of Metabolites With Glycemic Outcomes Among Bogalusa Heart Study and Atherosclerosis Risk in Communities Study Participants

Jenilee Cueto, Tulane Univ, New Orleans, LA; Tanika N Kelly, Univ of Illinois Chicago, Chicago, IL; Jiang He, Changwei Li, Tulane Univ, New Orleans, LA; Jovia L Nierenberg, BridgeBio, San Francisco, CA; Xiaoying Gu, China-Japan Friendship Hosp, Beijing, China; Eric Boerwinkle, UT Health, Houston, TX; Joe Coresh, Johns Hopkins SPH Welch Ctr, Baltimore, MD; Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD; Bing Yu, Univ Of TX Health Science Ctr, Houston, TX; Lydia A Bazzano, Tulane Univ, New Orleans, LA; Casey Rebholz, Johns Hopkins, Baltimore, MD; Kirsten Dorans, Tulane Univ, New Orleans, LA

MP33 Investigating the Link Between Glucose Patterns Assessed by Continuous Glucose Monitoring With Cognitive Impairment in Older Adults With Diabetes

Emeka Ejimogu, Johns Hopkins Sch of Public Health, Baltimore, MD; Dan Wang, Johns Hopkins Univ Sch of Public Health, Baltimore, MD; Jiaqi Hu, Johns Hopkins Sch of Public Health, Baltimore, MD; Rebecca Gottesman, Natl Inst of Neurological Disorders and Stroke,
Bethesda, MD; Beverly Gwen Windham, Univ of Mississippi Medical Ctr, Jacksonville, MS; Josef Coresh, Johns Hopkins Sch of Public Health, Baltimore, MD; Arielle Valint, Univ of North Carolina Gillings Sch of Public Health, Chapel Hil, NC; Michael Fang, Johns Hopkins Sch of Public Health, Baltimore, MD; Elizabeth Selvin, Johns Hopkins Univ Sch of Public Health, Baltimore, MD

**MP34**

**Association of Biological Age Acceleration With Incident Type 2 Diabetes and Coronary Artery Disease**

Guangrui Yang, Victor W. Zhong, Shanghai Jiao Tong Univ, Shanghai, China

**MP35**

**Long-Term Trajectories of Self-Rated Health Are Similar Following Incident Diabetic Foot Disease and Acute Myocardial Infarction Among Adults With Diabetes in the Atherosclerosis Risk in Communities (ARIC) Study**

Katherine M McDermott, Johns Hopkins Dept of Surgery, Baltimore, MD; Dan Wang, Michael Fang, Johns Hopkins Univ, Baltimore, MD; Pamela L Lutsey, Univ of Minnesota, Minneapolis, MN; B Gwen Windham, UMMC, The MIND Ctr, Jackson, MS; Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD; Caitlin W Hicks, Johns Hopkins Dept of Surgery, Baltimore, MD

**MP36**

**Evaluation of Race and Ethnicity and Pharmacy Dispensing of Sodium-Glucose Cotransporter 2 Inhibitors and Glucagon-Like Peptide 1 Receptor Agonists in Patients With Type 2 Diabetes**


**MPS07 Sleep**

**Moderator:**

Pamela Lutsey, PhD, FAHA

**MP37**

**Insomnia is Associated With Fatty Acid and Oxylipin Inflammatory Biomarkers in the Hispanic Community Health Study/Study of Latinos**

Sarah H Koenigsberg, UNC Gillings Sch of Global Public Health, Chapel Hill, NC; Nour Makarem, Columbia Univ Medical Ctr, New York, NY; Heather M Highland, UNC Gillings Sch of Global Public Health, Chapel Hill, NC; Carolina G Downie, Natl Heart, Lung, and Blood Inst, Bethesda, MD; Mona Alotaibi, PCCM UCSD, La Jolla, CA; Susan Cheng, Cedars-Sinai Medical Ctr, Los Angeles, CA; Annie Green Green Howard, Danyu Y Lin, Kari E North, UNC Gillings Sch of Global Public Health, Chapel Hill, NC; Sanjay R Patel, Univ of Pittsburgh, Pittsburgh, PA; Bharat Thyagarajan, Univ of Minnesota, Minneapolis, MN; Christy L Avery, UNC Gillings Sch of Global Public Health, Chapel Hill, NC
MP39
Circadian Misalignment Increases the Impact of Visceral Adiposity on Metabolic Syndrome Independent of Nutrition and Physical Activity in Adolescents
Natasha Morales-Ghinaglia, Susan Calhoun, Jason Liao, Alexandros Vgontzas, Penn State Coll Med, Hershey, PA; Duangping Liao, Penn State Univ Coll of Med, Hershey, PA; Edward O Bixler, Penn State Coll Med, Hershey, PA; Julio Fernandez-Mendoza, Penn State Coll of Med, Hershey, PA

MP40
Associations Between Meal Timing and Sleep in Older Adults

MP41
Associations Between Reallocations of Daytime Movement Behaviors and Self-Reported Sleep Quality and Insomnia Severity in Desk Workers
Christopher E Kline, Rachel M. Sanders, Univ of Pittsburgh, Pittsburgh, PA; Caitlin A. Cheruka, Univ of Central Florida, Orlando, FL; Andrew G. Kubala, Leidos, Inc., San Diego, CA; Mara E. Egeler, Univ of Arkansas, Fayetteville, AR; Subashan Perera, Sanjay R Patel, Univ of Pittsburgh, Pittsburgh, PA; Bethany Barone Gibbs, West Virginia Univ, Morgantown, WV

MP42
Insomnia Symptoms Are Associated With Poor Cardiometabolic Health Among Bhutanese Refugees in the United States
Rupsha Singh, Natl Inst on Aging, Baltimore, MD; Jeffrey Cohen, The Ohio State Univ, Columbus, OH; Taku Suzuki, Denison Univ, Granville, OH; Shambika Raut, The Ohio State Univ, Columbus, OH; Francisco Montiel Ishino, Chandra Jackson, Natl Inst of Environmental Health Sciences, Research Triangle Park, NC

MPS08 Childhood and Youth/Maternal Health
Moderator:
Noel Mueller, PhD, MPH, FAHA

MP43
Disparities in Cardiovascular Health in Childhood: The Young Hearts Study
Norrina B Allen, Northwestern Univ, Chicago, IL; Amanda M Marma, Lurie Childrens Hosp, La Grue, IL; Sarah D De Ferranti, Boston Childrens Hosp, Boston, MA; Darwin R Labarthe, Northwestern Univ, Chicago, IL; Matthew Davis, Lurie Children's Hosp of Chicago, Chicago, IL; Lucia Petito, Northwestern Univ, Chicago, IL; Stephen R Daniels, Univ Colorado Sch of Med, Aurora, CO; Ashima Chopra, Northwestern Univ, Aurora, IL; Darci Phillips, Yaojie Wang, Marc Rosenman, Northwestern Univ, Chicago, IL; Rashmi Narayan, Alliance, Chicago, IL; Holly Gooding, Emory, Atlanta, GA; Mark J Pletcher, UCSF, San Francisco, CA; Francis Alenghat, Univ of Chicago, Chicago, IL; Rupali Gandhi, Rupali Gandhi, Chicago, IL; Cheryl Lefaivre, Advocate, Chicago, IL; Amanda Luff, Advocate, Milwaukee, WI; Huma Khan, Advocate, Chicago, IL; Ileah Rios, Northwestern, Chicago, IL; Rachel Zmora, Northwestern Univ, Chicago, IL; Amy Yu, Northwestern, Chicago, IL; Donald M Lloyd-Jones, Northwestern Univ, Chicago, IL
Non-Genetic Component of Height as a Surrogate Marker for Childhood Socioeconomic Status and Its Association With Cardiovascular and Brain Health: Results From HCHS/SOL

Jee-Young Moon, Albert Einstein Coll of Med, Bronx, NY; Paola Filigrana, Albert Einstein Coll of Med, Bronx, NY, NY; Linda Gallo, San Diego State Univ, Chula Vista, CA; Krista Perreira, Univ of North Carolina Sch, Chapel Hill, NC; Jianwen Cai, UNC Chapel Hill, Chapel Hill, NC; Martha L Daviglus, Univ Illinois Chicago, Chicago, IL; Lindsay Fernandez-Rhodes, Penn State Univ, University Park, PA; Olga Garcia-Bedoya, Univ of Illinois at Chicago, Chicago, IL; Robert Kaplan, Qibin Qi, Albert Einstein Coll of Med, Bronx, NY; Bharat Thyagarajan, Univ of Minnesota, Minneapolis, MN; Wassim Tarraf, Wayne State Univ, Detroit, MI; Tao Wang, Albert Einstein Coll of Med, Bronx, NY; Carmen R Isasi, Albert Einstein Coll Med, Bronx, NY

Beyond Pregnancy: Meta-Analysis of Lifestyle Intervention for Prevention of Diabetes Mellitus in Women With Prior Gestational Diabetes Mellitus

Saher Taj Shiza, Lincoln Medical and Mental Health Ctr, Bronx, NY; Zahoor Ahmed, King Edward Medical Univ, Lahore, Pakistan; Kenneth Ong, Lincoln Medical Ctr, Bronx, NY

Recurrent Hypertensive Disorders of Pregnancy and Subsequent Maternal Coronary Heart Disease and Stroke

Angela M Malek, Dulaney A. Wilson, Medical Univ of South Carolina, Charleston, SC; Julio Mateus, Atrium Health, Charlotte, NC; Jessica Pittman, Tanya N Turan, Kelly J Hunt, Medical Univ of South Carolina, Charleston, SC

Fetal Life Exposure to GDM and Postnatal Breastfeeding and Beverage Intake in the First Year Are Associated With Severe Child Obesity at 6 to 11 Years: The SWIFT Study in Youth

Baiyang Sun, Alexis S King, Joan C Lo, Kaiser Permanente Northern CA, Oakland, CA; Louise C Greenspan, Kaiser Permanente Northern CA, San Francisco, CA; Patricia Wakimoto, Stacey Alexeiff, Erica P Gunderson, Kaiser Permanente Northern CA, Oakland, CA

Consumption of Low-Calorie Sweeteners Among Infants, Toddlers, and Preschoolers in the United States, NHANES 2013-2018

Xinyu Zhu, Emory Univ, Atlanta, GA; Allison C Sylvetsky, The George Washington Univ, Washington, DC; Jean A Walsh, Emory Univ, Atlanta, GA

WEDNESDAY

P03.01 Cardiometabolic Health and Disorders 2


Oluwabunmi V Ogungbe, Ebenezer Kobbie Aryee, Johns Hopkins Univ, Baltimore, MD; Ruth-Alma Turkson-Ocran, Beth Israel Deaconess Medical Ctr, Boston, MA; Chiadi E Ndumele, Johns Hopkins Hosp, Baltimore, MD; Yvonne Commodore-Mensah, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD
Trends in Risk Factor Control Among US Adults With Cardio-Kidney-Metabolic Multimorbidity, 1999-2020

John W Ostrominski, Brigham and Women's Hosp, Boston, MA; Jamie Hirsch, Donald and Barbara Zucker Sch of Med at Hofstra/Northwell, Great Neck, NY; Benjamin Miao, Bonnie Meyer Korenblat Donato, Boehringer Ingelheim Pharmaceuticals, Ridgefield, CT; Jonathan Woolley, Medicus Economics, Somerville, MA; Christina Parrinello, Pine Mountain Consulting, Redding, CT; Thomas O'Connell, Medicus Economics, Boston, MA; Muthiah Vaduganathan, Brigham and Women's Hosp, Boston, MA

Associations of Street-View Greenspace Exposure With Cardiovascular Health (Life’s Essential 8) Among Women in Midlife

Sheryl L Rifas-Shiman, Li Yi, Izzuddin M Aris, Pi-I Debby Lin, Marie-France Hivert, Harvard Medical Sch and Harvard Pilgrim Health Care Inst, Boston, MA; Jorge E Chavarro, Harvard T.H. Chan Sch of Public Health, Boston, MA; Marcia P Jimenez, Boston Univ Sch of Public of Health, Boston, MA; Esra Suel, Univ Coll London, London, United Kingdom; Perry Hystad, Andrew Larkin, Oregon State Univ, Corvallis, OR; Steve Hankey, Virginia Tech Univ, Blacksburg, VA; Wenwen Zhang, Rutgers Univ, New Brunswick, NJ; Peter James, Emily Oken, Harvard Medical Sch and Harvard Pilgrim Health Care Inst, Boston, MA

Association of Serum Magnesium With Metabolic Syndrome and the Role of Chronic Kidney Disease: Population-Based Cohort Study and Mendelian Randomization

Nuha Shugaa Addin, Fiona Niedermayer, Barbara Thorand, Inst of Epidemiology, Helmholtz Zentrum München, German Res Ctr for Environmental Health, Neuherberg, Germany, Inst for Medical Information Processing, Biometry and Epidemiology (IBE), Faculty of Med, LMU Munich, Pettenkofer School of Public Health, Munich, Germany; Jakob Linseisen, Chair of Epidemiology, Univ of Augsburg, Univ Hosp Augsburg, Augsburg, Germany; Jochen Seissler, Diabetes Res Group, LMU Klinikum; Medische Klinik und Poliklinik IV, München, Germany, German Ctr for Diabetes Res (DZD), München-Neuherberg, Germany; Annette Peters, Susanne Rospieszcz, Inst of Epidemiology, Helmholtz Zentrum München, German Res Ctr for Environmental Health, Neuherberg, Germany, Inst for Medical Information Processing, Biometry and Epidemiology (IBE), Faculty of Med, LMU Munich, Pettenkofer School of Public Health, Munich, Germany

Life’s Essential 8 Cardiovascular Health Metrics Are Deteriorating In South Korea: A Nationwide Survey 2007-2021

Dasom Son, Yeeun Seo, Yonsei Univ, Seoul, Korea, Republic of; Hyeok-Hee Lee, Hyeon Chang Kim, Hokyou Lee, Yonsei Univ Coll of Med, Seoul, Korea, Republic of

Choline Metabolites Are Associated With Non-Alcoholic Fatty Liver Disease: A Coronary Artery Risk Development in Young Adults (CARDIA) Study

Jessica K Sprinkles 1, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Susan U McRitchie 1, UNC, Chapel Hill, NC; Blake U Rushing 1, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; James G Terry 1, Vanderbilt, Nashville, TN; Xiuxia U Du 1, Univ of North Carolina, Charlotte, NC; Yuankai Z Huo 1, Vanderbilt, Nashville, TN; Christy L Avery 1, Univ N Carolina, Chapel Hill, NC; Kari E North 1, UNC Chapel Hill, Chapel Hill, NC; Penny Z Gordon-Larsen 1, UNC-Chapel Hill, Chapel Hill, NC; Lisa B VanWagner 1, Lisa
P398
**Family History of Cardiovascular Disease and Hypertension Are Associated With Prevalent Disease in US Americans of South Asian Origin**

Eshaan Vasudev, Krish Vasudev, Univ Sch of Milwaukee, Milwaukee, WI; Lisa R Yanek, Dhananjay Vaidya, Johns Hopkins Univ, Baltimore, MD

P399
**Cardiovascular Risk Factors and Measures of Early Atherosclerosis in Children With Down Syndrome**

Adam Ware, Univ of Utah, Salt Lake Cty, UT; Sarah D De Ferranti, Boston Childrens Hosp, Boston, MA; Heather Keenan, Univ of Utah, Salt Lake City, UT; Linda M Lambert, Univ of Utah-PCH Heart Ctr, Salt Lake City, UT; Zhining Ou, Univ of Utah, Salt Lake City, UT; Elaine M Urbina, Cincinnati Children's Hosp Medical Ctr, Cincinnati, OH; Richard V Williams, Univ of Utah, Salt Lake City, UT; Brian W McCrindle, The Hosp for Sick Children, Toronto, ON, Canada

P400
**Trajectories of Psychological Well-Being Are Associated With High Cardiovascular Health Late in Life: Findings From the Women’s Health Initiative**

Eugenia Wong, UNC Chapel Hill, Chapel Hill, NC; Nora Franceschini, Univ North Carolina, Chapel Hill, NC; Matt Psioda, GSK, Durham, NC; Barbara L Fredrickson, Sara B Jones Berkeley, UNC Chapel Hill, Chapel Hill, NC; Michelle Naughton, Ohio State Univ Medical Ctr, Columbus, OH; Matthew A Allison, Univ of California San Diego, La Jolla, CA; Lorena Garcia, Univ of California, Davis, Davis, CA; Aladdin Shadyab, Univ of California, San Diego, La Jolla, CA; Rita Ryu, UC San Diego, San Diego, CA; Wayne D Rosamond, Univ of North Carolina, Chapel Hill, NC

P401
**Association of Healthy Lifestyle Score With Metabolic Syndrome in Hong Kong Chinese Women: An Age-Matched Nested Case-Control Study**

Yao Jie Xie, Yunyang Deng, The Hong Kong Polytechnic Univ, Hong Kong, China; Qi Sun, Harvard Sch of Public Health, Boston, MA; Lin Yang, The Hong Kong Polytechnic Univ, Hong Kong, China; Chun Hao, Sun Yat-sen Univ, Guangzhou, China

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**Association of an Overall Healthy Lifestyle With Different Types of Metabolic Dysfunction-Associated Fatty Liver Disease**

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McClain Vail, Liberty Univ Coll of Osteopathic Med, Lynchburg, VA; Austin Le Vey, Liberty Univ Coll of Osteopathic Med, Lynchburg, VA; Thuy-Linh Nguyen, Aaron Rodriguez,
Dietary Acculturation is Associated With Altered Gut Microbiome, Circulating Metabolites, and Cardiovascular Disease Risk in US Hispanics/ Latinos: Results From the Hispanic Community Health Study/Study of Latinos

Yi Wang, Albert Einstein Coll of Med, Bronx, NY; Guochong Chen, Suzhou Medical Coll of Soochow Univ, Suzhou, China; Zheng Wang, Albert Einstein Coll of Med, Bronx, NY; Amanda C McClain, San Diego State Univ, San Diego, CA; Marta M. Jankowska, City of Hope, Duarte, CA; Krista perceira, Univ of North Carolina Sch, Chapel Hill, NC; Josiemer Mattei, Harvard Chan Sch Public Health, Boston, MA; Carmen R Isasi, Albert Einstein Coll Med, Bronx, NY; Maria Llabre, Univ of Miami, Coral Gables, FL; Bharat Thyagarajan, Univ of Minnesota Medical Sch, Minneapolis, MN; Martha L Daviglus, Univ Illinois Chicago, Chicago, IL; Linda Van Horn, Northwestern Univ Medical Sch, Chicago, IL; David Goldsztajn Farelo, Boston Public Health Commission, Boston, MA; Luis E Maldonado, Univ of Southern California, Los Angeles, CA; Steven R Levine, Suny Downstate Health Sciences Univ, Brooklyn, NY; Bing Yu, Univ of TX Health Sci Ctr Houston, Houston, TX; Eric Boerwinkle, UTHHealth, Houston, TX; Rob Knight, UC San Diego, San Diego, CA; Robert Burk, Robert Kaplan, Qibin Qi, Brandilyn Peters-Samuelson, Albert Einstein Coll of Med, Bronx, NY

Diet Significantly Alters Metabolic Gene Expression Associated With Probiotic Administration in Mice

Jonathan Westlake, Brian Kagel, Nathan Lichti, Shreya Singh, Jeffrey Houghton, Joseph Gigliotti, Liberty Univ, Lynchburg, VA

Intake of Fiber-Rich Foods is Favorably Associated With Cardiac Structure and Function: The Coronary Artery Risk Development in Young Adults (CARDIA) Study

So-Yun Yi, Lyn M Steffen, Daniel Duprez, Weihua Guan, Kamakshi Lakshminarayan, David R Jacobs Jr., Univ of Minnesota, Minneapolis, MN

The Oral Microbiome and Prospective Risks of All-Cause and Cardiometabolic Mortality: The National Health and Nutrition Examination Survey

Hamdi S Adam, Univ of Minnesota, Minneapolis, MN; Ryan Demmer, Mayo Clinic, Rochester, MN; Jim S Pankow, Univ Minnesota, Minneapolis, MN

Functional Annotations for Improvements in Height and Blood Pressure Polygenic Risk Scores

Nicole D. Armstrong, Vinodh Srinivasasainagendra, Univ of Alabama at Birmingham, Birmingham, AL; Amit Patki, UAB, Birmingham, AL; Akhil Pampana, Brittney Davis, Naman Shetty, Alana Jones, Univ of Alabama at Birmingham, Birmingham, AL; Ulrich Broeckel, Medical Coll of Wisconsin, Milwaukee, WI; Leslie Lange, Univ of Colorado, Aurora, CO; Pankaj Arora, Univ of Alabama at Birmingham, Birmingham, AL; Nita Limdi, Univ Alabama Birmingham, Birmingham, AL; Hemant K Tiwari, Univ of Alabama at Birmingham, Birmingham, AL; Ryan M Irvin, Univ Alabama Birmingham, Birmingham, AL
Polygenic Risk for Obesity and Race Modify the Effect of a Low Fat Dietary Clinical Trial on Weight Loss
Harold H. Lee, Pennsylvania State Univ, State College, PA; Christy L Avery, Univ N Carolina, Chapel Hill, NC; Mariaelisa Graff, Daeun Kim, UNC-Chapel Hill, Chapel Hill, NC; Linda Van Horn, Northwestern Univ Medical Sch, Chicago, IL; Charles Kooperberg, Fred Hutchinson Cancer Ctr, Seattle, WA; Kari E North, UNC Chapel Hill, Chapel Hill, NC

A Multivariate Analysis of Genetic Risk Scores for Heart Failure and Left Ventricular Mass Derived From Multi-Ancestrality Populations and Left Ventricular Mass Amongst African Americans: The Jackson Heart Study
Douglas McLaurin, Philip Turk, Univ of Mississippi Medical Ctr, Jackson, MS; Olivia Affuso, Council on Black Health, Winston-Salem, NC; Elizabeth Heitman, Univ of Texas Southwestern, Dallas, TX; Laura M Raffield, Univ of North Carolina at Chapel Hill, Chapel Hill, NC

Gene-Level Gene-Environment Interaction Testing Reveals Rare Variants With Large Impacts on the Omega-3 Fatty Acid-Inflammation Relationship
Kenneth E Westerman, Massachusetts General Hosp, Boston, MA; Chirag Patel, Harvard Medical Sch, Boston, MA; James Meigs, Alisa Manning, Massachusetts General Hosp, Boston, MA

Gut Microbiome and Plasma Metabolome Signatures Are Associated With Systemic Inflammation in Children
Bruno Bohn, Univ of Colorado Anschutz, LEAD Ctr, Aurora, CO; Myriam Doyon, CRCHUS, Sherbrooke, QC, Canada; Luigi Bouchard, Ctr de Recherche du Ctr Hospier Univire de Sherbrooke, Chicoutimi, QC, Canada; Patrice Perron, Univ de Sherbrooke, Sherbrooke, QC, Canada; Renee Guerin, CIUSSS Saguenay Lac St-Jean, Chicoutimi, QC, Canada; Eric Masse, Univ de Sherbrooke, Sherbrooke, QC, Canada; Marie-France Hivert, Harvard Pilgrim Health Care Inst, Boston, MA; Noel T Mueller, Univ of Colorado Anschutz, LEAD Ctr, Aurora, CO

Proteomic BMI Signature and Incidence of Type 2 Diabetes
Xuan Wang, Tulane Univ, New Orleans, LA; Hao Ma, Tulane Univ, Metairie, LA; Xiang Li, Yoriko Heianza, Lu Qi, Tulane Univ, New Orleans, LA

Saliva, Plasma, and Multi-Fluid Metabolomic Profiles of Excess Adiposity and Their Associations With Diabetes Progression Among Puerto Ricans
Different Metabolomic Associations With Mediterranean Style Diet (MSD) Scores Between Individuals With Normoglycemia vs. Impaired Fasting Glucose (IFG) in the Multi-Ethnic Study of Atherosclerosis Transomic Precision Medicine Initiative (MESA-TOPMed) Data

Alexis C Wood, Baylor Coll of Med, Houston, TX; Peter Durda, Vermont, Colchester, VT; Kent D Taylor, The Lundquist Inst, Torrance, CA; Craig Johnson, Univ of Washington, Seattle, WA; Mark O Goodarzi, Cedars-Sinai Medical Ctr, West Hollywood, CA; Usman A Tahir, BIDMC, Lexiton, MA; Zsu-Zsu Chen, Beth Israel Deaconess Medical Ctr, Boston, MA; Michael Mi, Beth Israel, Boston, MA; Jacob Barber, Beth Israel Deaconess, Jamaica Plain, MA; Robert E Gerszten, Beth Israel Deaconess Medical Ctr, Boston, MA; Stephen S Rich, Univ Virginia, Charlottesvile, VA; Clary Clish, Broad Inst of MIT and Harvard, Cambridge, MA; Jerome I Rotter, The Lundquist Inst, Torrance, CA

Patterns of Sodium Glucose Cotransporter-2 Inhibitor Prescription by Indication in Patients With and Without Diabetes in the US Health System

Jung-Im Shin, Yunwen Xu, Johns Hopkins Univ, Baltimore, MD; Alexander R Chang, Geisinger, Danville, PA; juan jesus carrero, Karolinska Instt, Huddinge, Sweden; Amrita Mukhopadhyay, NYU, New York, NY; Lesley Inker, Tufts Medical Ctr, Boston, MA; Saul Blecker, Leora Horwitz, Morgan Grams, NYU, New York, NY

Proton Pump Inhibitor Use and Incident Cardiovascular Disease in Postmenopausal Women, Results From the Women’s Health Initiative

Ahmed I. Soliman, Univ at Buffalo - SUNY, Buffalo, NY; Jean Wactawski-Wende, Kathleen M. Hovey, Amy E. Millen, Univ at Buffalo – SUNY, Buffalo, NY; Charles B. Eaton, Care New England-Brown Univ, Pawtucket, RI; Shelly L. Gray, Univ of Washington, Seattle, WA; Michael J. LaMonte, Univ at Buffalo - SUNY, Buffalo, NY

Lifestyle Modification for Secondary Prevention of Atrial Fibrillation: A Pilot Study

Jeffrey M Ashburner, Taylor Carmichael, Romit Bhattacharya, Massachusetts General Hosp, Boston, MA; Aneesh Bapat, Massachusetts General Hosp, Needham, MA; Pradeep Natarajan, Massachusetts General Hosp, Brookline, MA; Steven Atlas, Massachusetts General Hosp, Boston, MA; Daniel E Singer, Mass General Hosp, Boston, MA; Anne N Thorndike, Massachusetts General Hosp, Boston, MA

Syphilis Infection and Increased Odds of Cardiovascular Morbidity

Aaron Briggs, Joseph Risser, Bernard Newman, Univ of California San Diego: General Preventive Med Residency Program, San Diego, CA

Dietary Nitrate Supplementation With Beet Juice Reduces Blood Pressure: A Systematic Review and Meta-Analysis of Randomized Controlled Trials
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Investigating Sudden Death in a Large North Carolina County: Methods and Findings of a Population-Based Registry
Gabriella Day, Div of Cardiology, Univ of North Carolina Sch of Med, Chapel Hill, NC; Thibaut Davy-Mendez, Dept of Epidemiology, Gillings Sch of Global Public Health, Chapel Hill, NC; Rebecca Elisabeth Beyer, Charite, Berlin, Germany; Susan Keen, Heart and Vascular Inst, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA; Golsa Joodi, UNC Heart and Vascular, Chapel Hill, NC; Andrew Cesmat, Alia Capone, Univ of North Carolina Sch of Med, Chapel Hill, NC; Jefferson Williams, Wake County Emergency Medical Services, Raleigh, NC; Ross J Simpson Jr., Div of Cardiology, Univ of North Carolina Sch of Med, Chapel Hill, NC

P506
Multifactorial Risk Control in Atherosclerotic Cardiovascular Disease Among Patients With Type 2 Diabetes Mellitus: Findings From the UK Biobank
Wenjun Fan, Luohua Jiang, Shaista Malik, Nathan D Wong, Univ of California, Irvine, Irvine, CA

P507
Adherence to Pediatric Screening Guidelines for Cardiovascular Risk Factors in a Diverse Cohort of Children in Chicago
Abigail Gauen, Yaojie Wang, Northwestern Univ, Chicago, IL; Amanda M Perak, Matthew Davis, Lurie Children's Hosp of Chicago, Chicago, IL; Marc Rosenman, Donald M Lloyd-Jones, Rachel Zmora, Norrina B Allen, Lucia Petito, Northwestern Univ, Chicago, IL

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Comparisons of Cardiovascular Health in US Adults by Chronic Disease Status: National Health and Nutrition Examination Survey (NHANES), 2013-2018
James W Guo, Hongyan Ning, Donald M Lloyd-Jones, Northwestern Univ, Chicago, IL

P510
Trends in Statin Therapy for Primary Prevention Among Older Veterans, 2003-2020
Hasan M Mahbub, VA Boston Healthcare, BWH and Harvard Medical Sch, Boston, MA; Helen Wellman, Veterans Health Admin, Chelmsford, MA; Kelly Cho, David Gagnon, VA Boston Healthcare System, Boston, MA; Michael Gaziano, VA Boston Healthcare, BWH and Harvard Medical Sch, Boston, MA; Luc Djoussé, BWH and Harvard Med Sch, Boston, MA; Ariela Orkaby, Saadia Qazi, VA Boston Healthcare, BWH and Harvard Medical Sch, Boston, MA

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Trajectories of Modifiable Risk Factors, Cardiac Function and Incident Heart Failure in the Atherosclerosis Risk in Communities (ARIC) Cohort
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Associations of Serum Insulin-Like Growth Factor (IGF)-1 Levels With Cognitive Function and Atherosclerosis in a Japanese General Population: The Tanushimaru Study
Yume Nohara-Shitama, Kurume Univ, Kurume, Japan; Harumi Yoshimura, Kurume Univ, Fukuoka, Japan; Morikawa Nagisa, Kurume Univ, Kurume, Japan; Ako Fukami, Kurume Univ, Kurume, Fukuoka, Japan; Mika Enomoto, Japan Kurume Univ Sch of Med, Kurume, Japan; Hisashi Adachi, Yoshihiro Fukumoto, Kurume Univ, Kurume, Japan

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Coronary Artery Calcium Burden in Rural Alabama: Initial Findings From the Risk Underlying Rural Areas Longitudinal Cohort Study
Alexander C Razavi, Emory Univ, Atlanta, GA; Ramachandran S. Vasan, Univ of Texas at San Antonio, San Antonio, TX; Edwin van den Heuvel, Eindhoven Univ of Technology, Eindhoven, Netherlands; Seamus P Whelton, Omar Dzaye, Johns Hopkins Ciccarone Ctr for the Prevention of Cardiovascular Disease, Baltimore, MD; Mahasin S Mujahid, UC Berkeley, Berkeley, CA; Tene T Lewis, Emory Univ, Atlanta, GA; Suzanne E Judd, UAB, Birmiham, AL; Jerome I Rotter, The Lundquist Inst, Torrance, CA; Marly van Assen, Carlo N. De Cecco, Arshed A Quyyumi, Emory Univ, Atlanta, GA; Michael J Blaha, Johns Hopkins Ciccarone Ctr for the Prevention of Cardiovascular Disease, Baltimore, MD; Laurence Sperling, Emory Univ, Atlanta, GA; Matthew J Budoff, Lundquist Inst, Torrance, CA; Viola Vaccarino, Emory Univ, Atlanta, GA

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Association Between Glycemic Disorder and Acute Coronary Syndrome Among Patients With Stable Coronary Artery Disease: A Propensity Score Matching Analysis
Chen Sheng, Harvard T.H. Chan Sch of Public Health, Cambridge, MA; Liwen Bao, Huashan Hosp of Fudan Univ, Shanghai, China

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Multimorbidity in Rural Alabama: Rural Heart and Lung Study
Mayra Tisminetzky, Univ Massachusetts, Worcester, MA; Sara Platz, Univ of Texas at San Antonio, San Antonio, TX; Mathew Montenario, UMass Chan Medical Sch, Worcester, MA; Ritika Revoori, Paula Anzenberg, Univ Massachusetts, Worcester, MA; Ziyue Wang, university of Massachusetts, Worcester, MA; Nakesha Agyapong, Univ Massachusetts, Worcester, MA; Apurv Soni, university of Massachusetts, Worcester, MA; Edwin van den Heuvel, Eindhoven Univ of Technology, Eindhoven, Netherlands; Joseph Tejan, Univ of Massachusetts, Worcester, MA; Suzanne E Judd, UAB, Birmiham, AL; Ramachandran Vasan, Univ of Texas at San Antonio, San Antonio, TX; David D McManus, UMMS, Worcester, MA

P516
Vascular Risk Assessment in Youth With Familial Hypercholesterolemia and Combined Dyslipidemia of Obesity
Andrew H Tran, Nationwide Childrens Hosp, Columbus, OH; Kan N Hor, Omar Khalid, Ami Garg, Nationwide Children's Hosp, Columbus, OH; Elaine M Urbina, Cincinnati Children's Hosp Medical Ctr, Cincinnati, OH
**P03.14 Sleep Behavior and Sleep Disorders**

**P520**  
**Sleep Duration and Quality Associated With Behavioral Cardiometabolic Health in Israel: Jewish / Arab Ethnic Differences**  
**Michael A Grandner**, Suzanne Gorovoy, Kathryn Kennedy, Dora Valencia, Elizabeth Rasmussen, Univ of Arizona, Tucson, AZ; Elliot Rosenberg, Ministry of Health, Jerusalem, Israel

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**Sleep Timing and Duration in Relation to DNA Methylation in Adolescents: An Epigenome-Wide Analysis**  
Jennifer Lee, Jaclyn Goodrich, Univ of Michigan, Ann Arbor, MI; Dana Dolinoy, Univ of Michigan Sch, Ann Arbor, MI; Helen Burgess, Ronald Chervin, Karen Peterson, Louise O'Brien, Univ of Michigan, Ann Arbor, MI; Martha Maria Tellez-Rojo, Insto Nacional de Salud Publica, Mexico City, Mexico; ALEJANDRA CANTORAL, Iberoamericana Univ, Mexico City, Mexico; Libni Olascoaga-Torres, Insto Nacional de Salud Mexico, Mexico City, Mexico; Peter Song, **Erica Jansen**, Univ of Michigan, Ann Arbor, MI

**P522**  
**Racial Differences in Sleep Health in Middle-Aged Adults**  
**Kristen L. Knutson**, Shaina Joan Alexandria, Kathryn Reid, Sabra Abbott, Swaty Chapagai, Xuan Cai, Diana Chirinos, Northwestern Univ, Chicago, IL; S. Justin Thomas, Univ of Alabama at Birmingham, Birmingham, AL; Cora E Lewis, Univ Alabama Birmingham, Birmingham, AL; Pamela B Schreiner, Univ Minnesota, Minneapolis, MN; Mercedes R Carnethon, Northwestern Univ, Chicago, IL

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**Circulating Endothelial-Cell Derived Microvesicles Associated With Insufficient Sleep Impairs Cerebral Microvascular Fibrinolytic Capacity**  
**Samuel T. Ruzzene**, University of Colorado Boulder, Boulder, CO; Vinicius P. Garcia, Univ of Colorado Boulder, Boulder, CO; Auburn R. Berry, Emily I. Ostrander, Kendra N. Wegerson, Hannah L. Cardenas, University of Colorado Boulder, Boulder, CO; Jared J. Greiner, Univ of Colorado, Boulder, CO; Brian L. Stauffer, CU Anschutz, Denver, CO; Christopher A. Desouza, Univ of Colorado Boulder, Boulder, CO

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**Prolonged Mild Sleep Restriction Results in Specific Alterations in Genome-Wide DNA Methylation: A Randomized Crossover Trial**  
Rocio Barragan, Univ of Valencia, Valencia, Spain; Oscar Coltell, Insto de Salud Carlos III, Madrid, Spain; Christian Dye, Bin Cheng, Lawrence Honig, Columbia Univ, New York, NY; Dolores Corella, Valencia Univ and Ciberobn, Valencia, Spain; Marie-Pierre St-Onge, Columbia Univ, New York, NY
Polygenic Risk Scores for Morning Chronotype and Longer Sleep Duration Are Associated With Weight and Glycemic Outcomes in the Multi-Ethnic Study of Atherosclerosis (MESA)
Rocio Barragan, Univ of Valencia, Valencia, Spain; Danielle Wallace, Harvard Univ, Boston, MA; Bin Cheng, Columbia Univ, New York, NY; Tamar Sofer, Beth Israel Deaconess Medical Cente, Boston, MA; CAROLINA ORTEGA, Univ of Valencia, Valencia, Spain; Xiuqing Guo, The Lundquist Inst at Harbor-U, Torrance, CA; Jerome I Rotter, The Lundquist Inst, Torrance, CA; Steven Shea, Columbia Univ, New York, NY; Susan Redline, Brigham and Women's Hosp, Boston, MA; Dolores Corella, Valencia Univ and Ciberobn, Valencia, Spain; Marie-Pierre St-Onge, Columbia Univ, New York, NY

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Association of Hemoglobin A1c With Sleep Duration in Non-Diabetic Population
Ekamol Tantisattamo, American Heart Association Comprehensive Hypertension Ctr at the Univ of California Irvine Medical Ctr, Div of Nephrology, Hypertension and Kidney Transplantation, Dept of Med, Univ of California Irvine Sch of Med, Orange, CA; Wanprapat Noree, Police General Hosp, Bangkok, Thailand; Voramol Rochanaroop, Rayong Hosp, Rayong, Thailand; Urairat Chuenchaem, Bumrungrad Intl Hosp, Bangkok, Thailand; Nisha Wanichwecharunruang, Central Chest Inst of Thailand, Bangkok, Thailand; Narathorn Kulthamrongsi, Dept of Pharmacology, Faculty of Med Siriraj Hosp, Mahidol Univ, Bangkok, Thailand; Thanathip Suenghataiphorn, Faculty of Med Siriraj Hosp, Mahidol Univ, Bangkok, Thailand; Chanokporn Puchongmart, Dept of Emergency Med, Banphea General Hosp, Samut Sakhon, Thailand; Ben Thiravetyan, Dept of Immunology, Faculty of Med Siriraj Hosp, Mahidol Univ, Bangkok, Thailand; Chatriporn Naunsilp, Faculty of Med, Khon Kaen Univ, Khon Kaen, Thailand; Possawat Vutthikraivit, Phramongkutklao Coll of Med, Mahidol Univ, Bangkok, Thailand; Bahaar Ghaffarian, Univ of California Irvine, Irvine, CA; Michael Au, Kaiser Permanente Bernard J. Tyson Sch of Med, Pasadena, CA; Manasawee Tanariyakul, Univ of Hawaii Internal Med Residency Program, Univ of Hawaii John A. Burns Sch of Med, Honolulu, HI; Phuwadith Wattanachayakul, Albert Einstein Medical Ctr, Philadelphia, PA; Kamonluk Rodsom, Dept of Med, Faculty of Med, Siriraj Hosp, Mahidol Univ, Bangkok, Thailand; Irin Jariyayothin, Nephrology Div, Police General Hosp, Bangkok, Thailand

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Acculturation and Family History Are Associated With Sleep Disturbances in US Americans of South Asian Origin
Krish Vasudev, Eshaan Vasudev, Univ Sch of Milwaukee, Milwaukee, WI; Lisa Yanek, Dhananjay Vaidya, Johns Hopkins Univ, Baltimore, MD

P528 Associations Between Sleep Duration and Sedentary Behavior Among Racial/Ethnic Minorities: Analysis of NHANES 2011-2018
Astrid N. Zamora, Michele L. Patel, Abby C King, Stanford Univ, Stanford, CA

P03.15 Subclinical Cardiovascular Disease

P529
Ideal Cardiovascular Health May Mitigate Age-Related Increases in Subclinical Myocardial Damage in US Adults
P531
Contralateral Differences in Ankle Systolic Blood Pressure and Pulse Wave Velocity: Associations With Incident Heart Failure and Mortality
Daniela Charry, The Univ of Texas at Austin, Austin, TX; Jing Xu, Univ of North Florida, Jacksonville, FL; Michelle L Meyer, Anna Kucharska-Newton, Univ of North Carolina, Chapel Hill, NC; Kunihiro Matsushita, Johns Hopkins Univ, Baltimore, MD; Hirofumi Tanaka, The Univ of Texas at Austin, Austin, TX

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Association of Subclinical Atherosclerosis With Cardiac Structure and Function in the Rural Cohort Study
Bradley P Deere, Univ of Mississippi Medical Ctr, Jackson, MS; Michelle Kelsey, Duke Univ, Durham, NC; William B Hillegass, Univ of Mississippi Medical Ctr, Jackson, MS; Suzanne E Judd, UAB, Birmingham, AL; Vasan S Ramachandran, UT Sch of Public Health, San Antonio, TX; Matthew J Budoff, Lundquist Inst, Torrance, CA; Gerald S Bloomfield, Duke Univ, Durham, NC; Ervin R Fox, Univ of Mississippi Medical Ctr, Jackson, MS

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Association Between Cardiovascular Health and Carotid Arterial Ultrasound Markers Among Young Adults Using AHA’s “Life’s Essential 8” Metrics
Fangqi Guo, Xinci Chen, Howland Steve, Luis E Maldonado, W. James Gauderman, Rob McConnell, Mingzhu Yan, Lora Whitfield, Yanjie Li, Carrie V Breton, Theresa Bastain, Univ of Southern California, Los Angeles, CA; Howard N Hodis, Univ Southern California, Los Angeles, CA; Shohreh Farzan, Univ of Southern California, Los Angeles, CA

P534
Sex Differences in Left Ventricular Diastolic Function and Cognitive Performance in Midlife: Evidence From the Bogalusa Heart Study
XUANYI JIN, Tulane Univ, New Orleans, LA; Tasneem Z Naqvi, Mayo Clinic, Scottsdale, AZ; Ileana De Anda-Duran, Yajun Guo, Tulane Univ, New Orleans, LA; Camilo Fernandez Alonso, Tulane Univ Health Sciences Ctr, New Orleans, LA; Katherine T Mills, Jiang He, Tulane Univ, New Orleans, LA; Elaine M Urbina, Cincinnati Childern's Hosp, Cincinnati, OH; Jing Chen, Tulane Sch of Public Health, New Orleans, LA; Lydia A Bazzano, Tulane Univ, New Orleans, LA

P535
Correlates of Cardiac Structure and Function in African-Ancestry Adults in the Caribbean: The Tobago Heart Study
Rain Katz, Univ of Pittsburgh Sch of Public Health, Pittsburgh, PA; Deepak K Gupta, Vanderbilt Univ Medical Ctr, Nashville, TN; Ravinder Reddy Mallugari, Vanderbilt Univ Medical Ctr, Nashville, TN; Clifford Thomas, Ivank Gonzalez, Premier Heart Care Ltd, Port of Spain, Trinidad and Tobago; Ryan Cvejkus, Univ of Pittsburgh Sch of Public Health, Pittsburgh, PA; Victor Wheeler, Tobago Health Studies Office, Scarborough, Trinidad and Tobago; Iva Miljkovic, Allison L Kuiipers, Univ of Pittsburgh Sch of Public Health, Pittsburgh, PA
The Association of Adipokines With Cardiac Structure and Function Among Older Adults Without Clinical Cardiovascular Disease

Andreas Kyrvasilis, Bige Ozkan, Justin B Echouffo-Tcheugui, Johns Hopkins Univ Sch of Med, Baltimore, MD; Vijay Nambi, Baylor Coll of Med, Houston, TX; Erin D Michos, Wendy S Post, Gary Gerstenblith, Roger S Blumenthal, Johns Hopkins Univ Sch of Med, Baltimore, MD; Ron C Hoogeveen, Christie M Ballantyne, Baylor Coll of Med, Houston, TX; Amil M Shah, UT Southwestern Medical Ctr, Dallas, TX; Elizabeth Selvin, Josef Coresh, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Chiadi E Ndumele, Johns Hopkins Univ Sch of Med, Baltimore, MD

Plasma Proteins Partially Explain the Independent Associations of Obesity With Ventricular Hypertrophy and Diastolic Dysfunction in Older Adults Without Cardiovascular Disease

Bige Ozkan, Justin B Echouffo-Tcheugui, Johns Hopkins Univ Sch of Med, Baltimore, MD; Kari E North, UNC Chapel Hill, Chapel Hill, NC; Kuni Matsushita, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Christie M Ballantyne, Baylor Coll of Med, Houston, TX; Bing Yu, Univ of Texas Health Science Ctr at Houston, Houston, TX; Elizabeth Selvin, Josef Coresh, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Amil M Shah, UT Southwestern Medical Ctr, Dallas, TX; Chiadi E Ndumele, Johns Hopkins Univ Sch of Med, Baltimore, MD

Relations of Left Ventricular Mass With Long-Term Cardiovascular and Health Outcomes: The Framingham Heart Study

Stephanie Pan, Boston Univ, Boston, MA; Vasan S Ramachandran, UT Sch of Public Health, San Antonio, TX; Susan Cheng, Cedars-Sinai Medical Ctr, Los Angeles, CA; Vanessa Xanthakis, BU Sch of Med, Boston, MA

Association of Physical Activity With Aortic Stiffness in the Jackson Heart Study

Zakary Patrick, Univ of Mississippi, University, MS; Elizabeth Heitman, Univ of Texas Southwestern, Dallas, TX; Olivia Affuso, Council on Black Health, Raleigh, NC; Benjamin Walker, Univ of Mississippi Medical Ctr, Jackson, MS; Leroy L Cooper, Vassar Coll, Poughkeepsie, NY; Jennifer C. Reneker, Univ of Mississippi Medical Ctr, Jackson, MS

Sleep Duration, Rapid Eye Movement Sleep, and Subclinical Myocardial Damage

Henry Zhao, Natalie Daya, Michael Fang, Johns Hopkins, Baltimore, MD; Brendan P Lucey, Washington Univ Sch of Med, St. Louis, MO; Susan Redline, Harvard Medical Sch, Boston, MA; Naresh Punjabi, Univ of Miami, Miami, FL; Christie M Ballantyne, Baylor Coll of Med, Houston, TX; Amil M Shah, UT Southwestern Medical Ctr, Dallas, TX; Adam Spira, Johns Hopkins, Baltimore, MD; Pamela L Lutsey, Univ of Minnesota, Minneapolis, MN; Elizabeth Selvin, Johns Hopkins, Baltimore, MD

Moderated Posters

MPS10 Lipids and Lipoproteins

Moderator:
Alain Bertoni MD, MPH, FAHA

MP55
The Cardioprotective Feature of High-Density Lipoprotein Function Diminishes as Women Transition Through Menopause: The Swan HDL Study
Samar R El Khoudary, James Matuk, Univ of Pittsburgh, Pittsburgh, PA; Jeffrey Billheimer, Univ of Pennsylvania, Philadelphia, PA; Maria M Brooks, Univ of Pittsburgh, Pittsburgh, PA; Trevor Orchard, Univ Pittsburgh, Pittsburgh, PA; Imke Janssen, Rush Univ Medical Ctr, Chicago, IL; Dan McConnell, Univ of Michigan, Ann Arbor, MI; Sybil Crawford, UMass Chan Medical Sch, Worcester, MA; Karen A Matthews, Univ Pittsburgh Sch Med, Pittsburgh, PA; Dan Rader, Pennsylvania, Philadelphia, PA

MP56
Screening for Familial Hypercholesterolemia: School Based Programs May Be Best Alternative
Gary J Luckasen, Univ Colorado Health, Loveland, CO; NaNet Jenkins, UCHealth, Loveland, CO; Austin Pollack, Landon D. Hamilton, Univ Colorado Health, Loveland, CO; Meghan Willis, UCHealth, Loveland, CO; Paige Lueders, Univ Colorado Health, Loveland, CO

MP57
Universal and Targeted Lipid Screening in Youth Living With Overweight or Obesity
Corinna Koebnick, Xia Li, Kaiser Permanente Southern California, Pasadena, CA; Margo A Sidell, Kaiser Permanente Res and Eval, Pasadena, CA; Poornima S Kunani, Kaiser Permanente Southern California, Manhattan Beach, CA

MP59
Associations of Plasma Inosine With Lipid Profiles in the Bogalusa Heart Study
Yixi Sun, Ruiyuan Zhang, Ling Tian, Tulane Univ, New Orleans, LA; Yang Pan, Univ of Illinois, Chicago, IL; Xiao Sun, Univ of Illinois Chicago, Chicago, IL; Zhijie Huang, Jia Fan, Jing Chen, Tulane Univ, New Orleans, LA; Kai Zhang, Univ at Albany, Rensselaer, NY; Shengxu Li, Children's Minnesota Res Inst, Minneapolis, MN; Wei Chen, Lydia A Bazzano, Tulane Univ, New Orleans, LA; Tanika N Kelly, Univ of Illinois Chicago, Chicago, IL; Jiang He, Joshua D Bundy, Changwei Li, Tulane Univ, New Orleans, LA

MP60
A Randomized Placebo-Controlled Trial of Pitavastatin Calcium to Treat Combined Dyslipidemia of Obesity in Adolescents - The Pediatric Heart Network Dyslipidemia of Obesity Intervention in Teens (Do It!) Trial
Brian W McCrindle, The Hosp for Sick Children, Toronto, ON, Canada; Silva Arslanian, UPMC Children's Hosp of Pgh, Pittsburgh, PA; Michele Mietus-Snyder, Childrens Natl Hosp, Washington, DC; Elaine M Urbina, Cincinnati Children's Hosp Medical Ctr, Cincinnati, OH; Adam Ware, Univ of Utah, Salt Lake Cty, UT; Jessica E Teng, Felicia Trachtenberg, Carelon Res, Newton, MA; Mark Russell, CS Mott Children's Hosp, Ann Arbor, MI; Amy S Shah, Cincinnati Childrens Hosp, Cincinnati, OH; Mark Cartoski, Nemours AI Dupont, Wilmington, DE; Julie A Brothers, Childrens Hosp of Philadelphia, Philadelphia, PA; Christine San Giovanni, Medical Univ of South Carolina, Charleston, SC; Justin Zachariah, Texas Children's Hosp-BCM, Houston, TX; Sandra Pen, Baylor Coll of Med, Houston, TX; William T Mahle, Children's Healthcare of Atlanta, Atlanta, GA; Amy Peterson, Univ of Wisconsin, Madison, WI; Sheela Magge, Johns Hopkins Medical Insts, Baltimore, MD; Geetha Raghuveer, Childrens Mercy Hosp, Kansas City, MO; Binu Sharma, Carelon Res, Gaithersburg, MD; Valiantsina Kazlova, Carelon Res, Mission Viejo, CA; Craig A Sponseller, Kowa
MPS11 Physical Activity

Moderator:
Kara M. Whitaker, PhD, MPH, FAHA, FACSM

MP61
Independent, Joint-Aerobic, and Dose-Response Associations of Resistance Exercise With Cardiovascular Disease Mortality: A Living Meta-Analysis
Daniel J. McDonough, Lianne K. Siegel, Univ of Minnesota, Minneapolis, MN; Brian T Steffen, Univ of Minnesota, Lakeville, MN; Kelley P Gabriel, Univ of Alabama at Birmingham, Birmingham, AL; Mark A Pereira, Univ Minnesota, Minneapolis, MN

MP62
Adherence to Guideline-Recommended Physical Activity Nullifies Mortality Risks of Extended Sitting in Adults With Diabetes
Wen Dai, Sandra S Albrecht, Columbia Univ, New York, NY

MP63
Associations Between Built Environment Measures and Physical Activity Among Insufficiently Active Adults: Preliminary Insights From a Multi-Level Trial
Arjan S Walia, Stanford Prevention Res Ctr, Stanford, CA; Abby C King, Kristin L Sainani, Maria I Campero, Dulce M Garcia, Stanford Univ Dept of Epidemiology and Population Health, Stanford, CA; Astrid N Zamora, Stanford Prevention Res Ctr, Stanford, CA

MP64
Cardiovascular Responses to Occupational Physical Activity Are Exaggerated by Work-Related Stress and Low Fitness
Tyler D Quinn, Timothy Bruehwiler, Paul D Chantler, Bethany Barone Gibbs, West Virginia Univ, Morgantown, WV

MP65
Multimorbidity Trajectories From Early Adulthood and Current and Subsequent Accelerometer-Measured Sedentary and Physical Activity Behaviors in Midlife: Coronary Artery Risk Development in Young Adults (CARDIA) Study
Erin E. Dooley, Univ of Alabama at Birmingham, Birmingham, AL; C. Barrett Bowling, Duke Univ & Durham VA Health System, Durham, NC; Baojiang Chen, UTHealth Sch of Public Health in Austin, Austin, TX; Bjoern Hornikel, Univ of Alabama at Birmingham, Birmingham, AL; Sylvia E. Badon, Kaiser Permanente Northern California, Oakland, CA; Pamela J. Schreiner, Univ of Minnesota, Minneapolis, MN; Mercedes Carnethon, Northwestern Univ, Chicago, IL; Cora E Lewis, Kelley Pettee Gabriel, Univ of Alabama at Birmingham, Birmingham, AL

MP66
Accelerometer Measured Diurnal Movement Patterns Associated With Frailty in Older Adults: UK Biobank
Lingsong Kong, Chi Hyun Lee, Susan R Sturgeon, Cassandra N Spracklen, Amanda E Paluch, Univ of Massachusetts Amherst, Amherst, MA

MPS12 Global Health
MP67
**Estimated Health Impact, Cost, and Cost-Effectiveness of Mandating Sodium Benchmarks in Australia's Packaged Foods**
*Matti Marklund, Kathy Trieu, The George Inst for Global Health, Newtown, Australia; Leopold Aminde, Linda Cobiac, Griffith Univ, Gold Coast, Australia; Daisy Coyle, Liping Huang, Bruce C Neal, The George Inst for Global Health, Newtown, Australia; J. Lennert Veerman, Griffith Univ, Gold Coast, Australia; Jason HY Wu, The George Inst for Global Health, Newtown, Australia*

MP68
**Strategic Placement of New Cathlab in the Largest Archipelago Country: Geospatial Analysis of Cathlab Coverage in Indonesia**
*Farizal Rizky Muharram, Harvard Medical Sch, Boston, MA; Chaq El Chaq Zamzam Multazam, Airlangga Univ, Lamongan, Indonesia; Wigaviola Socha Purnamaasri Harmadha, Airlangga Univ, East Jakarta, Indonesia*

MP69
**The “Pressure” of Being an Adolescent in Palestine: Prehypertension and Hypertension Prevalence**
*Dina M Hamideh, David Strong, Gretchen Bandoli, Univ of California San Diego, San Diego, CA; Zeena Salman, Palestinian Children Relief Fund, Kent, OH; Noe C Crespo, San Diego State Univ, San Diego, CA; Hamzeh Al Zabadi, An Najah Natl Univ, Nablus, Palestinian Territory; Amal Haraka, Univ of California San Diego, San Diego, CA; John Alcaraz, San Diego State Univ, San Diego, CA; Lamees Mahmoud, An Najah Natl Univ, Nablus, Palestinian Territory; Marcos Real, Nargis Ahmadi, Mariam Mansour, Baseel Hamideh, Tala AlRousan, Univ of California San Diego, San Diego, CA*

MP71
**Novel Association Between Parity and Skeletal Muscle Adiposity in Middle-Aged and Older African Caribbean Women**
*Zhongjie Zhang, Samar R El Khoudary, Ryan Cvejkus, Caterina Rosano, Univ of Pittsburgh, Pittsburgh, PA; Victor Wheeler, Tobago Health Studies Office, Scarborough, Trinidad and Tobago; Allison L Kuipers, Iva Miljkovic, Univ of Pittsburgh, Pittsburgh, PA*

MP72
**For African-Born Blacks Living in the United States the Body Mass Index of Preference is in the Normal Weight Category**
*Jamaica S Hurston, Charlita C Worthy, Eliza Huefner, Mariam Sayed, Natl Insts of Health, Bethesda, MD; Christopher W DuBose, Lilian S Mabundo, Natl Inst of Health, Bethesda, MD; Marshall K Tulloch-Reid, Univ of the West Indies, Kingston, Jamaica; Margrethe Horlyck-Romanovsky, Brooklyn Coll, Brooklyn, NY; Novie Younger-Coleman, Univ of the West Indies, Kingston, Jamaica; **Anne E Sumner**, Natl Insts of Health, Bethesda, MD*

MPS13 **Environmental Exposures**
**Moderator:**
*Kelsie M. Full, PhD, MPH*
MP73

The Association of Urinary Metals With Cardiovascular Disease Incidence and All-Cause Mortality in the Multi-Ethnic Study of Atherosclerosis (MESA)


MP74

Ambient Temperature and Blood Pressure Are Associated in the Jackson Heart Study

Annabel X. Tan, Andrew Y Chang, Stanford Univ, Stanford, CA; Daichi Shimbo, Columbia Univ, New York, NY; Adam P Bress, Univ of Utah, Salt Lake City, UT; Mario Sims, Univ of California, Riverside, Corona, CA; Michelle C Odden, Stanford Univ, Palo Alto, CA

MP75

Long-Term Combined Air Pollutant Exposure and Atrial Fibrillation Risk

Bigina N Ginos, Trudy Voortman, Maryam Kavousi, Dept of Epidemiology, Erasmus MC, Univ Medical Ctr, Rotterdam, Netherlands

MP76

Street View Greenspace Exposures and Cardiovascular Health Among Children - Evidence From Project Viva

Li Yi, Harvard Medical Sch and Harvard Pilgrim Health Care Inst, Boston, MA; Sheryl L Rifas-Shiman, Harvard Medical Sch and HPHCI, Boston, MA; Izzuddin Aris, Harvard Medical Sch and Harvard Pilgrim Health Care Inst, Boston, MA; Marcia Pescador Jimenez, Harvard Medical Sch and Harvard Pilgrim Health Care Inst, Boston, MA, xxx, MA; Pi-I Debby Lin, Harvard Medical Sch and Harvard Pilgrim Health Care Inst, Boston, MA; Esra Suel, Univ Coll London, London, United Kingdom; Perry Hystad, Andrew Larkin, Oregon State Univ, Corvallis, OR; Steve Hankey, Virginia Tech Univ, Blacksburg, VA; Wenwen Zhang, Rutgers, The State Univ of New Jersey, New Brunswick, NJ; Emily Oken, HPHC Inst, Boston, MA; Marie-France Hivert, Harvard Medical Sch, Boston, MA; Peter James, Harvard Medical Sch, Cambridge, MA

MP77

Both Racial/Ethnic Residential Segregation and Exposure to Outdoor Artificial Light at Night May Impact Cardiovascular Health but Perhaps Not Through Self-Reported Sleep

Symielle Gaston, Natl Inst of Environmental Health Sciences, Research Triangle Park, NC; Jesse Wilkerson, Nat MacNell, W. Braxton Jackson II, Social & Scientific Systems, a DLH Holdings Company, Durham, NC; Chandra Jackson, Natl Inst of Environmental Health Sciences, Research Triangle Park, NC

MP78

A Comprehensive Investigation of the Effect of Dietary Intervention on Perfluorooctanoic Acid and Perfluorooctane Sulfonate

Ruiyuan Zhang, Yixi Sun, Ling Tian, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA; Yang Pan, Xiao Sun, Univ of Illinois Chicago, Chicago, IL; Zhijie Huang, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA; Jia Fan, Tulane Univ Sch of Med, New Orleans, LA; Kai Zhang, The State Univ of New York at Albany, Albany, NY; Shengxu Li, Children's Hosp and Clinics of Minnesota, Minneapolis, MN; Lydia A
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