



EPI|Lifestyle

Poster Sessions

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

MONDAY MARCH 18			
5:00 – 7:00 PM			
P01.01	Arrhythmia Sudden Death	100-102	
P01.02	Biomarkers	103-114	Includes P530
P01.03	Cardio-Oncology	115-116	
P01.04	Clinical Trials and Intervention Studies	117-122	
P01.05	Covid 19, HIV and Other Infections	123-130	
P01.06	Diabetes 1	131-146	
P01.07	Global Health	147-154	
P01.08	Heart Failure	155-167	
P01.09	LGBTQ Health	168-173	
P01.10	Lipids & Lipoproteins	174-188	
P01.11	Nutrition and Diet 1	189-207	
P01.12	Peripheral Artery Disease and Venous Thrombosis	208-211	
P01.13	Physical Activity and Sedentary Behavior	212-223	
P01.14	Policy	224-225	
P01.15	Psychosocial Factors	226-241	
P01.16	Stroke	242-248	
MODERATED POSTERS			
MPS01	Social Determinants of Health/Health Equity and Social Justice	MP1-6	Moderator: Mahasin Mujahid, MS, PhD, FAHA
MPS02	Hypertension	MP7-12	Moderator: Tim Plante, MD MHS
MPS03	Cardiometabolic Health and Obesity	MP13-18	Moderator: Jean Welsh, PhD, MPH, RN
MPS04	Aging and Brain Health	MP19-24	Moderator: Erin Dooley, PhD
TUESDAY MARCH 19			
5:00 -7:00 PM			
P02.01	Aging in Older Adults	249-260	
P02.02	Cardiometabolic Health and Disorders 1	261-272	Includes P519
P02.03	Cardiometabolic Risk Prediction	273-289	
P02.04	Dissemination/Implementation	290-292	
P02.05	Environmental Exposures	293-299	
P02.06	Health Services Research, Outcomes and Practice Improvement	300-308	
P02.07	Hypertension	309-326	

P02.08	Neurocognition and Brain Health	327-337	
P02.09	Obesity and Adipose Tissue Distribution	338-350	
P02.10	Physical Functioning and Quality of Life	351-353	
P02.11	Pregnancy and Maternal and Fetal Health	354-360	
P02.12	Promoting and Measuring Health Behaviors	361-372	
P02.13	Social Determinants	373-388	
P02.14	Surveillance	389-390	
P02.15	Other	391	

MODERATED POSTERS

MPS05	Nutrition	MP25-30	Moderator: Casey M. Rebholz, PhD, MS, MNSP, MPH, FAHA
MPS06	Diabetes	MP31-36	Moderator: Mary Rooney, PhD, MPH
MPS07	Sleep	MP37-42	Moderator: Pamela Lutsey, PhD, FAHA
MPS08	Childhood and Youth/Maternal Health	MP43-48	Moderator: Noel Mueller, PhD, MPH, FAHA
MPS09	NHLBI Posters (<i>note these are not listed below</i>). <i>Details can be found on the PDF for the NHLBI Satellite event</i>	MP49-54	

WEDNESDAY MARCH 20

5:00 – 7:00 PM

P03.01	Cardiometabolic Health and Disorders 2	392-402	
P03.02	Childhood and Youth	403-412	
P03.03	Chronic Kidney Disease	413-422	
P03.04	Diabetes 2	423-438	
P03.05	Drugs, Alcohol and Tobacco Use	439-444	
P03.06	Health Equity and Social Justice	445-458	
P03.07	Methodology and Data Science	459-462	
P03.08	Mobile Health Technology and Wearables	463-470	
P03.09	Nutrition and Diet 2	471-489	
P03.10	Omics (Genetic)	490-494	
P03.11	Omics (Non-Genetic)	495-498	
P03.12	Pharmacoepidemiology	499-500	
P03.13	Preventive Cardiology	501-518	
P03.14	Sleep Behavior and Sleep Disorders	520-528	P519- moved to Tuesday
P03.15	Subclinical Cardiovascular Disease	529-540	P530 Moved to Monday

MODERATED POSTERS

MPS10	Lipids and Lipoproteins	MP55-60	Moderator: Lynne E. Wagenknecht DrPH
MPS11	Physical Activity	MP61-66	Moderator:

			Kara M. Whitaker, PhD, MPH, FAHA, FACSM
MPS12	Global Health	MP67-72	Moderator: Camille Lassale, PhD
MPS13	Environmental Exposures	MP73-78	Moderator: Clara Sears, PhD

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, GMERS Medical Coll, Gandhinagar, India; Nmair Alziadin, Portsmouth Regional Hosp, Dover, NH; Khush Dadhanian, 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 Clerkin, Columbia Univ, New York, NY; Gabriel T Sayer, Columbia Univ Medical Ctr, New

York, NY; Farhana Latif, Columbia University Medical Ctr, New York, NY; Koji Takeda, Columbia Univ, New York, NY; Nir Uriel, Univ of Chicago, Chicago, IL; Renu Nandakumar, Columbia Univ, NY, NY; Anne-Catrin Uhlemann, Paolo C Colombo, Columbia Univ, New York, NY; Ryan Demmer, Mayo Clinic, Rochester, MN

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

Exploring The Cardioprotective Potential Of Roflumilast (pde-4 Inhibitor) Against Experimental Epirubicin-induced Cardiotoxicity.

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 DAgostini, Elisa Hlatchuk, Sofia B Silva, Seigo Nagashima, Cristina P Baena, PUCPR, Curitiba, Brazil

P124

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 Shuval, The Cooper Inst, Alpharetta, GA; Andjelka 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

P126

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

P127

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 Hopkins Univ, Baltimore, MD; Teresa Seeman, UCLA, Los Angeles, CA; Steven Shea, Columbia Univ, New York, NY; Karol E Watson, UCLA Medical Ctr, Los Angeles, CA; Elizabeth Oelsner, Columbia Univ, New York, NY

P128

Self-Reported Resilience During the COVID-19 Pandemic: The C4R-MESA Study

Oluwabunmi V Ogunbe, 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

P129 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 Daviglius, 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

P130

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

Christopher L. Schaich, D. Clark Files, Wake Forest Univ Sch of Med, Winston Salem, NC; Matthew S. Shotwell, Meghan M. Joly, Vanderbilt Univ Medical Ctr, Nashville, TN; Kevin W. Gibbs, Wake Forest Univ Sch of Med, Winston Salem, NC; Wesley H. Self, Sean P. Collins, Vanderbilt Univ Medical Ctr, Nashville, TN; Mark C Chappell, Wake Forest Univ Sch of Med, Winston Salem, NC

P01.06 Diabetes 1

P131

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

Byron C Jaeger, Ramon Casanova, Brian Wells, Yitbarek Demesie, Jeanette Stafford, **Michael Bancks**, Wake Forest Univ Sch of Med, Winston-Salem, NC

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

P136

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

Zijing Guo, Johns Hopkins Univ, Baltimore, MD; Amelia S Wallace, JH Bloomberg Sch. of Public Health, Baltimore, MD; Mary R Rooney, Dan Wang, Casey M Rebholz, Johns Hopkins Univ, Baltimore, MD; Eurídice M Steele, Univ of São Paulo, Sao Paulo, Brazil; Vanessa Garcia-Larsen, Julia A Wolfson, Mika Matsuzaki, Elizabeth Selvin, Michael Fang, Johns Hopkins Univ, Baltimore, MD

P137

Patient Level Determinants of Glycemic Control Among Patients With Type 2 Diabetes Mellitus in Primary Health Facilities in Ghana

Thomas Hinneh, Oluwabunmi V Ogungbe, Johns Hopkins Univ, Baltimore, MD; Faith Metlock, Johns Hopkins Univ Sch of Nursing, Baltimore, MD; Bernard Abeiku Mensah, Univ of Alberta, Baltimore, AB, Canada; Diana Baptiste, Johns Hopkins Univ Sch of Nursing, Baltimore, MD; Yvonne Commodore-Mensah, Johns Hopkins Sch of Nursin, Baltimore, MD

P138

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

Ying Hu, Sch of Public Health and Tropical Med, Tulane Univ, New Orleans, LA; Xiang Li, Xuan Wang, Tulane Univ, New Orleans, LA; Hao Ma, Tulane Univ, Metairie, LA; Jian Zhou, Sch of Public Health and Tropical Med, Tulane Univ, New Orleans, LA; Rui Tang, Minghao Kou, Yoriko Heianza, Tulane Univ, New Orleans, LA; Zhaoxia Liang, Sch of Public Health and Tropical Med, Tulane Univ, New Orleans, LA; Lu Qi, Tulane Univ, New Orleans, LA

P139

Association Between Anthropometric Measurements and Diabetes and Their Abilities to Predict Diabetes: Based on the UK Whitehall II Study

Cunrong Huang, Res Dept of Epidemiology and Public Health, Univ Coll London, London, United Kingdom; Peter Martin, Dept of Applied Health Res, Univ Coll London, London, United Kingdom; Andre Lopes, CRUK Cancer Trials Ctr, Univ Coll London, London, United Kingdom; Annie Britton, Res Dept of Epidemiology and Public Health, Univ Coll London, London, United Kingdom

P140

Using Group Model-Building to Understand and Address Type 2 Diabetes in Native Hawaiian Communities

Claire T Ing, Univ of Hawaii at Manoa, Honolulu, HI; Ka'apuni Kama, Meghan Kenney, Brooke Dolin, Kula no na Po'e Hawai'i, Honolulu, HI; Sarah M Marshall, Univ of Hawaii at Manoa, Honolulu, HI; Gregory Hester, Ulu HI-Tech, Honolulu, HI; Yi Zhu, Hawaii Pacific Univ, Honolulu, HI; B Puni Kekauoha, Kula no na Po'e Hawai'i, Honolulu, HI; Adrienne Y Dillard, Kula no na Po'e Hawaii, Honolulu, HI

P141

T2D-DNA Methylation Score and Changes in Glycemic Traits in Response to Weight-Loss Dietary Interventions: The MACRO Trial

Xiang Li, Minghao Kou, Tulane Univ, New Orleans, LA; Hao Ma, Tulane Univ, New Orleans, LA; Xuan Wang, Lydia A Bazzano, Lu Qi, Tulane Univ, New Orleans, LA

P142

Trends and Racial/Ethnic Differences in Age at Diagnosis of Type 1 and Type 2 Diabetes Among Adults in the United States, 2016-2022

Kexin Li, Victor W. Zhong, Shanghai Jiao Tong Univ, Shanghai, China

P143

Lignan Intake and Mortality Among Adults With Incident Type 2 Diabetes

Binkai Liu, Harvard T.H. Chan Sch of Public Health, Boston, MA; Yang Hu, HSPH, Boston, MA; Siyue Wang, Molin Wang, Harvard T.H. Chan Sch of Public Health, Boston, MA; Eric B Rimm, Harvard Sch Public Health, Boston, MA; Qi Sun, Harvard Sch of Public Health, Boston, MA

P144

1,5-Anhydroglucitol as a Marker of Hyperglycemic Excursions Defined by Continuous Glucose Monitoring in Older Adults

Natalie Daya Malek, Johns Hopkins, Baltimore, MD; Michael Fang, Jung-Im Shin, Johns Hopkins Univ, Baltimore, MD; Joe Coresh, Johns Hopkins SPH Welch Ctr, Baltimore, MD; Jim S Pankow, Univ Minnesota, Minneapolis, MN; Pamela L Lutsey, Univ of Minnesota, Minneapolis, MN; Arielle Valint, Univ of North Carolina, Chapel Hill, NC; Justin B Echouffo, Johns Hopkins Hosp, Baltimore, MD; Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD

P145

Randomized Trial of an Integrated Care Intervention Among Latino Adults: Sustained Effects on Diabetes Management

Heidy Mendez-Rodriguez, SDSU and UC San Diego, San Diego, CA; Carlos E. Rosas, Herbert Wertheim Sch of Public Health and Human Longevity Science, Univ of California San Diego, La Jolla, CA; Gregory A Talavera, San Diego State Univ, Chula Vista, CA; Scott C. Roesch, Dept of Psychology, San Diego State Univ, San Diego, CA; Fatima Muñoz, Dept of Res, San Ysidro Health, San Diego, CA; Sheila F. Castañeda, Paulina M. Mendoza, South Bay Latino Res Ctr, Chula Vista, CA; Linda Gallo, San Diego State Univ, Chula Vista, CA

P146

Strength Training Effectiveness in Normal-Weight Type 2 Diabetes Amongst Asian Americans

Rionna Octaviano, Navneeth Gurachar, Amogh Patankar, Alice Guan, George Hung, Nicholas Kikuta, Armaan Jamal, Malathi Srinivasan, Adrian Bacong, Robert Jeffrey Huang, Gloria Kim, Jin Long, Latha Palaniappan, Stanford Univ, Stanford, CA

P01.07 Global Health

P147

Alcohol Consumption and Its Relation to Ectopic Adiposity in African Caribbean Men

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P148

Prevalence and Correlates of Overweight and Obesity Among Adults in an Urban HIV Clinic in Uganda

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P151

Increased Gain of Skeletal Muscle Adiposity in Middle-Aged African Caribbean Men With Type 2 Diabetes

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P152

Linguistic Acculturation is Associated With Better Cardiometabolic Health Among Bhutanese Refugees Living in the United States

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P153

Disruptions to Diabetes and Hypertension Care During the COVID-19 Pandemic and Recovery Approaches in the Latin America and Caribbean Region

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P01.08 Heart Failure

P155

Identifying Inpatient and Outpatient Factors That Reduce Heart Failure Exacerbation Readmissions

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P156

Insurance Impact on Guideline-Directed Medical Therapy Prescription in HIV Heart Failure Patients: Past vs. Present Data From New York City's Largest Public Healthcare System

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P157

Awareness of Heart Failure, Blood Pressure Management and Self-Efficacy: The Research Goes Red for Women Registry

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P158

Prevalence of Val122Ile Variant Transthyretin Amyloidosis Mutation Among Hispanics/Latinos: Insights From the Hispanic Community Health Study/ Study of Latinos (HCHS/SOL)

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P159

Echocardiographic Cardiac Phenotype in Val122Ile Variant Transthyretin Amyloidosis Among Hispanics/Latinos: Results From the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)

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P160

Prevalence of Genetic Dilated Cardiomyopathy: A Systematic Literature Review

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P161

Association Between Kidney Function and Pre-Heart Failure: Insights From the Echocardiographic Study of Latinos (Echo-SOL)

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P162

Projected Reduction in Incident Non-Ischemic Heart Failure by Controlling Risk Factors in Individuals With Diabetes

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P163

Smoking Timing and Hazard of Incident Heart Failure: A Cohort Study in UK Biobank

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P164

Patient-Reported Awareness and Understanding of the Diagnosis of Heart Failure With Preserved Ejection Fraction

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P165

Home- and Center-Based Cardiac Rehabilitation Utilization Among Adults With Heart Failure in Kaiser Permanente Southern California

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P166

Social Isolation and Social Support Are Associated With Self-Rated Health and Heart Failure Outcomes in the Atherosclerosis Risk in Communities (ARIC) Study

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P167

Association Between Obesity and New-Onset Heart Failure Among People With Hypertension in Thailand

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P01.09 LGBTQ Health

P168

Life's Simple Seven by Sexual Orientation and Sex in the CARDIA Cohort

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P169

Cardiovascular Disease Incidence Among Male Veterans by Sexual Orientation and Race

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P170

Cognitive Function at Midlife by Sexual Orientation and Gender Identity in the CARDIA Cohort

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P171

Patient and Interdisciplinary HIV Care Experts Illness Representations on HIV Comorbidities and Usability of a Virtual Environment as Heart Disease Prevention Education in Ethnic and Racial Sexual Minority Men With HIV

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P172

Potential Contribution of Social Factors in Reducing Population Disparities in Cardioprotective Health Behavior Between Bisexual, Gay/Lesbian, and Straight Adults

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P173

Examining Sexual Identity Differences in Ideal Cardiovascular Health

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P01.10 Lipids and Lipoproteins

P174

Food as Medicine: Evaluating the Effect of a Food Insecurity Intervention on Lipid-Lowering Prescription Medications

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P175

Total Fasting and Post-Load and Individual Fasting Non-Esterified Fatty Acids and Total and Cause-Specific Mortality: The Cardiovascular Health Study

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P176

Consumption of Sugar-Sweetened Beverages Lowers Lipoprotein(a) Levels in Obese and Overweight Adults: Findings in a Double-Blind Parallel-Arm Study

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P177

Effect of Coenzyme Q10 Supplementation on Statin-Related Myopathic Pain: A Systematic Review and Meta-Analysis of Randomized Controlled Trials

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P178

Prevalence of Elevated LDL-C and Non-HDL-C in Adults With Total Serum Cholesterol in the Normal Range

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P179

Association Between Serum Metabolites and Carotid Atherosclerosis Among Japanese Men

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P180

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

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P181

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

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P182

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

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P183

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

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P184

Association of Plasma Lipid Species With Lipoprotein Insulin Resistance Score Before and After Exercise Training

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P185

Plasma Lipidome Signature of Visceral Fat Reveals Heterogenous Cardiometabolic Risk Profiles

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P186

Does Lipoprotein (a) Level Have a Predictive Value in Reintervention After Iliofemoral Vein Stenting?

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P187

Associations of Body Composition, Inflammation, and Lipids: The Multi-Ethnic Study of Atherosclerosis

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P188

The Triglyceride-Glucose Index in Africans is an Important Marker of Both an Atherogenic Lipid Profile and Insulin Resistance

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P01.11 Nutrition and Diet 1

P189

Optimal Measures of Carbohydrate Quality to Reduce the Risk of Type 2 Diabetes

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P190

Association of Meal Timing With Measures of Obesity: The Hispanic Community Health Study/Study of Latinos

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P191

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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P192

Association Between Time-Restricted Eating and All-Cause and Cause-Specific Mortality

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P193

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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P194

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

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P195

Metabolites Mediate the Association of the MIND Diet With Hypertension and Chronic Kidney Disease

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P196

The Effects of Initiating a 24-hour Fast With a Low versus a High Carbohydrate Protein Shake on Heart Rate Variability in the Elderly

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P197

Dietary Quality Determined by Healthy Eating Index-2015 and Endothelial Function in Healthy Adults

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P198

Developing a Practical, Evidence-Based Framework for Evaluating Community Nutrition Security Interventions

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P199

Oral Microbiome Potentially Modifies the Cardiometabolic Benefits of Nitrate Consumption: Results From the Oral Infections Glucose Intolerance and Insulin Resistance Study (ORIGINS)

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P200

Mediterranean Diet and Metabolic Syndrome in Adolescents: *An Analysis From the National Health and Nutrition Examination Survey 2015-2020*

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P201

Adherence to Time-Restricted Eating is Related to Long-Term Weight Changes Among Women

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P202

The Effects of Sodium (Na) Reduction and the Dash Diet on Ambulatory Blood Pressure in Black and Non-Black Individuals: Results From the DASH-Na Trial

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P203

Healthy Diet Perception, Cardiovascular Disease, and Risk Factors in Americans

Jenny Jia, Northwestern Univ, Chicago, IL

P204

Diet Significantly Influences Adipose Tissue Weight and Adipokine Expression in Response to Probiotic Administration in Male Mice

Brian Kagel, Jonathan David Westlake, Shreya Singh, Nathan Lichti, Jeffrey Houghton, Liberty Univ Coll of Osteopathic Med, Lynchburg, VA; Joseph Gigliotti, Liberty Univ, Lynchburg, VA

P205

Poor Sleep Quality and Daytime Sleepiness Associated With Lower Quality Diet in an Israeli Cohort

Kathryn E Kennedy, Rockwell Bortz, The Univ of Arizona, Tucson, AZ; Elliot Rosenberg, Ministry of Health, Jerusalem, Israel; Michael A Grandner, Univ of Arizona, Tucson, AZ

P206

Family Food Study: Findings From a Mixed Methods Pilot Study Examining Diet Among Chinese American Families in New York City

Madison N. LeCroy, Surong Li, Isabel Lu, Celine Chan, NYU Grossman Sch of Med, New York, NY; Cindy Liu, Chinese-American Planning Council, New York, NY; Lisa Pham, Perla Chebli, Stella S. Yi, NYU Grossman Sch of Med, New York, NY

P207

Blood Metabolomic Signatures of 24-hr Urinary Sodium and Potassium Excretion Were Associated With Cardiometabolic Diseases in the Hispanic Community Health Study/Study of Latinos

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P01.12 Peripheral Artery Disease and Venous Thrombosis

P208

Normal Ratio of Right and Left Ventricular Volumes in a Community-Dwelling Cohort: The Framingham Heart Study

Philimon N Gona, Univ of Massachusetts, Boston, MA; Mariam Qazi, Univ of Texas Health Sciences Ctr, 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

P209

Accelerometer-Measured Sedentary Behaviors and Venous Thromboembolism Risk Among Older Women

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

P210

Incident Venous Thromboembolism and Subsequent Risk of Cardiovascular Outcomes: The Atherosclerosis Risk in Communities (ARIC) Study

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P211

Burden and Temporal Trend of Peripheral Artery Disease in the United States and Its Attributable Risk Factors From 1990-2019: An Insights From the Global Burden of Disease Study 2019

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 Dadhania, 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

P01.13 Physical Activity and Sedentary Behavior

P212

Adherence Trends to a Remotely Supervised Weight Loss and Exercise Training Intervention to Improve Rheumatoid Arthritis Cardiovascular Risk

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

P213

Examining Sociodemographic Disparities in Physical Activity and Diabetes: Preliminary Findings From 2007-2020 National Health and Nutrition Examination Survey

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

P215

Activity Behaviors and Cardiometabolic Health Outcomes in People Living With HIV

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

P216

Physical Fitness and Incidence of Metabolic Syndrome Before Midlife in Military Young Adults: A Cohort Study

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

P217

Directionality of Associations Between Daily Physical Activity and Cognition Among Older Adults in the Baltimore Longitudinal Study of Aging

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P218

Moderate to Vigorous Physical Activity to Improve Cardiovascular and Mental Health in Sedentary Middle-Aged Adults

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

P219

Moderated-Mediated Effects of Environmental Barriers and Income Level on Exercise Determinants Among Black Americans With Hypertension

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

P220

Does Targeting a Physical Activity Intervention Based on Physical Function and Physical Activity Levels Affect Physical Activity Outcomes? A Randomized Study Within the WHI Strong and Healthy (*WHISH*) Trial

Corey Rovzar, Stanford Univ, Palo Alto, CA; Lauren Wegner, University of Nebraska, Omaha, NE; Marcia L Stefanick, Stanford Univ, Palo Alto, CA

P221

Association of Posttraumatic Stress Disorder With Physical Activity Among Vietnam-Era Male Twin Veterans

Kara Suvada, Viola Vaccarino, Dayna A Johnson, Yi-An Ko, Emory Univ Rollins Sch of Public Health, Atlanta, GA; Nicholas Smith, Veterans Affairs Puget Sound Healthcare System, Puget Sound, WA; James Douglas Bremner, Emory Univ Emory Sch of Med, Atlanta, GA; Minxuan Huang, Stanford Sch of Med, Stanford, CA; George Haddad, Hashir Ahmed, Amit J Shah, Emory Univ Rollins Sch of Public Health, Atlanta, GA

P222

Prolonged Sitting Time Was Associated With Central Obesity-Related Parameters Among Hong Kong Chinese Women: A Cross-Sectional Study

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

P223

Long Term Impact of COVID19 Pandemic on Estimated Cardiorespiratory Fitness and Physical Activity Level in South American Adults: Results From the Lown Scholars PAFIT Network Online Survey

Victor ZUNIGA DOURADO, Goodarz Danaei, Rosana Poggio, Harvard Sch of Public Health, Boston, MA; On behalf of Lown Scholars PA&FIT Network

P01.14 Policy

P224

Rural Hospital Closures Are Associated With Increased Mortality From Ischemic Heart Disease: A County-Level Analysis

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P225

Heartfelt Savings: Health Savings Accounts Assist in Alleviating Financial Burdens and Prompt Timely Treatment for Patients With Cardiovascular Disease

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P01.15 Psychosocial Factors

P226

Financial Hardship and Sleep Quality Among Black American Women With and Without Systemic Lupus Erythematosus

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P227

Association Between Depressive Symptoms and Insulin Resistance in Midlife Women: The Study of Women's Health Across the Nation (SWAN)

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

P228

Baseline Characteristics of a Pilot Randomized Controlled Trial of a Self-Management Program for Depressed Black Women at Risk for Hypertension

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P229

Cross-Sectional Relationship Between Posttraumatic Stress Disorder and Atherosclerotic Disease Assessed by Coronary Calcium Score: A Counterfactual Model of Older Male Twins

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P230

Association Between Gratitude and Lifestyle Related Diseases: The JAGES Cross-Sectional Study

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P231

Are Resiliency and Religiosity/Spirituality Associated With Better Sleep Outcomes in Midlife Latinas?

Latesha K. Harris, Krista M. Perreira, Andrea Cazales, Christian Long, Univ of North Carolina -CH, Chapel Hill, NC; Yammia I. Cortés, Univ of Iowa, Iowa City, IA

P232

Toxic Stress is Associated With Greater Odds of Cardiovascular Disease Among Younger but Not Older Women in the Go Red for Research Dataset

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

P233

Leveraging Community-Engaged Research Methods to Improve Recruitment and Retention of Midlife Black Women in Cardiovascular Research

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

P234

Prison Inmate Awareness of Heart Disease Status While Incarcerated in State and Federal Prisons, 2016

Shelbie Powers, **Ben King**, Univ of Houston, Tilman J Fertitta Family Coll of Med, Houston, TX

P235

Subjective Well-Being as Compared With Traditional Risk Factors in Relation to Incident Cardiovascular Diseases

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

P236

Association Between Perceived Discrimination and Arterial Stiffness in Non-Hispanic Black Adults

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P237

Relationships Among Perceived Stress, Hair Cortisol Concentration, Coping Strategies, and Blood Pressure in Young, Low-Income Adults

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

P238

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

P239

Association of Presence of Non-Specific Physical Complaints With Future Development of Cardiovascular Disease in Middle-Aged Japanese Workers: Finding From the Aichi Workers Cohort Study

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P240

Association of Perceived Lifetime Discrimination With COVID-19 Infection, Hospitalization and Death: The Collaborative Cohort of Cohorts for COVID-19 Research (C4R) Study

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P241

Stress-Induced Autonomic Dysfunction is Associated With Mental Stress-Induced Myocardial Ischemia in Patients With Coronary Artery Disease

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P01.16 Stroke

P242

The Effects of Wellness Coaching on Lowering Stroke Risk Factors in a Wisconsin Native American Population

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P243

Association Between a Brain Care Score and Risk of Cerebrovascular Events in American Women

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P245

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

P246

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

P247

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

P248

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-Samuels, 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 Daviglius, 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 Differs 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

Educational Attainment and the Effect of Intensive Blood Pressure Reduction: A Post-Hoc Analysis of the Systolic Blood Pressure Intervention Trial (SPRINT)

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-Amezcu, 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 Ulfsdottir, 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; Sigurdur Sigurdsson, Icelandic Heart Association, Kopavogur, Iceland; Saemundur Oddsson, Sidekick Health, 210, Iceland; Vilmundur Gudnason, Icelandic Heart Association, 201 Kopavogur, Iceland

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 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

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

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Univ Hosp, Pittsburgh, PA; Stephanie Debette, Univ of Bordeaux, Bordeaux, France; Sudha Seshadri, UT Health San Antonio, San Antonio, TX; Suzanne E Judd, Univ of Alabama at Birmingham, Birmingham, AL; Timothy M Hughes, Wake Forest Univ, Winston Salem, NC; Vilmundur Gudnason, Icelandic Heart Association, Kopavogur, Iceland; Behnam Sabayan, Pamela L Lutsey, James S Pankow, Univ of Minnesota-Twin Cities, Minneapolis, MN; Paul S. de Vries, UT Health Science Ctr, Houston, TX; Natalia Lakomski, Univ of Minnesota-Twin Cities, Minneapolis, MN; Rachel Zmora, Elizabeth Peterson, Denise Scholtens, Northwestern Univ, Chicago, IL; Richard Maclehose, Univ of Minnesota-Twin Cities, Minneapolis, MN; Norrina B Allen, Northwestern Univ, Chicago, IL; Sanaz Sedaghat, Univ of Minnesota-Twin Cities, Minneapolis, MN

MP20

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., John Hopkins Univ, Baltimore, MD; James Pike, Johns Hopkins Univ, Baltimore, MD; Pamela L Lutsey, Univ of Minnesota, 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

MP21

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, Norrina B Allen, Northwestern Univ, Chicago, IL; Alka M Kanaya, UCSF, San Francisco, CA; Namratha Kandula, Northwestern Univ, Chicago, IL

MP22

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; Norrina B Allen, Northwestern Univ, Chicago, IL; Whitney Hornsby, Broad Inst of MIT and Harvard, Cambridge, MA; Pradeep Natarajan, Massachusetts General Hosp, Boston, MA

MP23

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

MP24

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

Jean Jacques Noubiap, Janet J Tang, Thomas Andrew Dewland, Gregory M Marcus, UCSF, San Francisco, CA

TUESDAY

P02.01 Aging in Older Adults

P249

Association Between Loneliness and Functionality in an Elderly Population

Karina Bertoldi, Cristina Pellegrino Baena, Rafaella Stradiotto Bernardelli, Leandro Zen Karam, Ariele Barreto Haagsma, Pontifical Catholic Univ of Paraná, Curitiba, Brazil; Javier Jerez Roig, Univ of Vic - Central Univ of Catalonia, Vic, Spain

P250

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 (SAIHST), 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

P251

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

P252

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

P253

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

P254

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

P255

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

P256

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

P258

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 HWSPPH, 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

P259

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

P260

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

P02.02 Cardiometabolic Health and Disorders 1

P261

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

P263

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

P264

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

P265

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, UAB, Birmingham, AL; Viola Vaccarino, Emory Univesity, Atlanta, GA; Tene T Lewis, Emory Univ, Atlanta, GA

P266

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 Muthamir 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

P267

Associations of Urinary Zinc With Incident Peripheral Arterial Disease and Amputation in the Strong Heart Study

Claire Howlett, Filippo Ravalli, Kishan Bhatt, **Irene Martinez-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

P268

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

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P269

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 B Vos, Emory Univ, Atlanta, GA

P270

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

P271

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

P272

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

P519

Sleep as a Cardiometabolic Risk Factor Following Release From Carceral Facilities

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P02.03 Cardiometabolic Risk Prediction

P273

Sex-Stratified Machine Learning Analysis of Proteomics, Phenotypic, and Genomic Influences on Visceral Adipose Tissue Volume in the UK Biobank

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

P274

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

P275

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

P276

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

P277

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

Diego, San Diego, CA; Mohit Jain, Univ of California San Diego, La Jolla, CA; JoAnn E Manson, Brigham and Women's Hosp, Boston, MA; Lu Qi, Tulane Univ, New Orleans, LA

P278

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 Hospital, 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

P279

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

P280

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

P281

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

P282

Pooled Cohort Equation Performance at Quantile Thresholds of African and European Ancestry Among Hispanic/Latino: Findings From Multi-Ethnic Study of Atherosclerosis (MESA)

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P283

Hispanic/Latino Ethnic Background and Genetic Ancestry in Relation to Atherosclerotic Cardiovascular Disease Risk Estimation: Insights From the Multi-Ethnic Study of Atherosclerosis (MESA)

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P284

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

P285

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

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P286

The Impact of Obesity Severity on Left Ventricular Mass Index in Adults With Congenital Heart Disease

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P287

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

Meg Salvia, Harvard Univ, T.H. Chan Sch of Public Health, Boston, MA; Heather Mattie, Harvard Univ, T.H. Chan Sch of Public Health, Cambridge, MA; S. Bryn Austin, Frank B Hu, Josiemer Mattei, Harvard Univ, T.H. Chan Sch of Public Health, Boston, MA

P288

Sex Differences in Krebs Cycle Metabolites May Explain Differential Predisposition to Cardiovascular Disease

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P289

In Africans With Abnormal Glucose Tolerance the Triglyceride-Glucose Index is a Feasible, Effective Way to Distinguish Between Beta-Cell Failure and Insulin Resistance

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P02.04 Dissemination/Implementation

P290

Telephone Lifestyle Coaching - Sex Differences in Referrals and Enrollment During National Implementation

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P291

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

P292

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

P294

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

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P295

Climate-related Heat Exposure And Cardiovascular Health: A Global Scoping Review

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 Brennehan, Abel Kho, Daniel E Horton, Northwestern Univ, Chicago, IL; Norrina B Allen, NORTHWESTERN UNIVERSITY, Chicago, IL

P296

The Association Between Maternal Occupation and Adverse Birth Outcomes Among Infants With Congenital Heart Defects

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P297

Associations Between Short-Term Outdoor Heat Measures and Markers of Immune Response and Inflammation

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P298

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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P299

Alteration of Cardiac Autonomic Function Through Inhalation of Biogenic Volatile Organic Compounds

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P02.06 Health Services Research, Outcomes and Practice Improvement

P300

Evaluation of Organizational Behavior in a Rural Cardiology Clinic

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P301

Nativity Explains Disparities in Provider Experience Scores Among Asian and Pacific Islander Patients With and Without Cardiovascular Disease

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P302

The Mississippi Rural Community Listening Project

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P303

Investigating the Relationship Between Cardiovascular Diseases and Major Depressive Disorder Among Asians and Pacific Islanders

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P304

Sex Differences for the Progression of Cardiovascular Multimorbidity in Older Adults in the United States

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P305

Room for Improved Secondary Prevention of Major Cardiovascular Events Among the Population With New Onset Diabetes: A Longitudinal Latent Class Trajectory Analysis

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P307

Differences in Cardiovascular Disease Burden, Screening, Education, and Care by Clinic Type in the 2022 Health Center Patient Survey (HRSA)

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P02.07 Hypertension

P309

Health-Harming Legal Needs Are Associated With Blood Pressure, Quality of Life, and Utilization

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P310

Preference for Home Blood Pressure Monitoring versus Ambulatory Blood Pressure Monitoring for Measuring Sleep Blood Pressure: The BetterBP Study

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P311

Metabolomic Associations With Blood Pressure and Hypertension in Multi-Ethnic Populations

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P312

Food Alert Index (FAI): A Screening Tool for Dietary Assesment in Clinical Practice

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P313

Cumulative Birth History and Incident Hypertension 2-7 Years After a First Birth

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P314

Blood Pressure Control Across the State of Alabama

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P315

Consumption of Potatoes and Risk of Hypertension: A Pooled Analysis of US Cohorts

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P316

Orthostatic Hypertension, Standing Hypertension, and Risk of Cardiovascular Disease

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P317

Patient Perceptions and Satisfactions of a Remote Blood Pressure Monitoring Program in an Integrated Healthcare System

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P318

Provider Barriers and Facilitators to Treatment Intensification for Patients With Uncontrolled Blood Pressure

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P319

Effects of Environment and Noise on Blood Pressure Readings: The (Decibel(s)) Trial

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P320

Soluble Receptor for Advanced Glycation End Products and Incident Hypertension: REasons for Geographic And Racial Differences in Stroke (REGARDS)

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P321

Clinical Correlates of Medication Adherence to Antihypertensives and Bipolar Medications in Individuals With Hypertension and Bipolar Disorder

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P322

Mapping Geographic Variation in Hypertension Prevalence in United States Congressional Districts Using Spatial Modeling

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P323

Awareness of Recent Blood Pressure Levels and Blood Pressure Goals Among US Adults With Diabetes - National Health and Nutrition Examination Survey 2013-2020

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P324

Training and Technical Assistance to Improve Hypertension Control in Community Health Centers

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P325

Perceptions of Primary Care Quality and Hypertension Control in the Eastern Caribbean

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P326

Patient Predictors of Antihypertensive Medications Prescription Classes Revealed by the All of Us Research Project (AOURP) Registry

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P02.08 Neurocognition and Brain Health

P327

Examination of Cardiometabolic Health Status, Obesity, and Brain Health in Community-Dwelling Older Adults

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P328

Hepatocyte Growth Factor and Incident Cognitive Impairment: The Reasons for Geographic and Racial Differences in Stroke (REGARDS)

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P329

Lifetime Risk of Dementia: The Atherosclerosis Risk in Communities (ARIC) Study

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P330

The Association Between APOE Genotype and Dementia in the Dementia Risk Pooling Project

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P331

Diet and Probiotic Administration Significantly Influence Behavior and Forebrain Inflammation in Male Mice

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P332

Metabolically Healthy Obesity is Associated With Higher Levels of Executive Function in Middle-Aged Adults: The Bogalusa Heart Study

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P333

Plasma Proteins, Structural Brain Reserve, and Onset of Alzheimer's Disease: Proteome-Wide Mendelian Randomization

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P334

The Impact of Cardiovascular Risk Factors on Cognition in Adults With Down Syndrome

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P335

Predictors of Cognitive Resilience in Those With and Without High White Matter Hyperintensity Burden: A Post-Hoc Analysis of Systolic Blood Pressure Intervention Trial Memory & Cognition in Decreased Hypertension (SPRINT MIND)

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P336

The Association of Coronary Artery Calcium Progression and Cognitive Function in Midlife - The Coronary Artery Risk Development in Young Adults (CARDIA) Study
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P337

Clonal Hematopoiesis of Indeterminate Potential and Cognitive Decline in Chronic Kidney Disease Patients

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P02.09 Obesity and Adipose Tissue Distribution

P338

Abdominal Myosteatosis and Cognitive Function: Insights From CARDIA Study

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P339

Waist Circumference During Young Adulthood and Risk For Diabetes in Middle Adulthood Differ by Baseline Weight Status: The CARDIA Study

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P341

Physical Activity and Dual Energy X-ray Absorptiometry Measured Body Composition in Global Multi-Ethnic Cohorts

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P342

Gut Microbiota and Microbial Metabolites Are Associated With DXA Measured Overall Fat and Trunk Fat in 5-year-old Children

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P343

Diet Behaviors, Income, and Body Composition Among Diverse Adult Populations in the United States

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P344

Epidemiology and Burden of Patients Living With Overweight/Obesity and Established Atherosclerotic Cardiovascular Disease

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P345

Is a Fixed Value of the Rate of Gas Exchange Appropriate to Indicate the Maximum Effort of Obese and Nonobese Adults Undergoing a Treadmill Cardiopulmonary Exercise Test?

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P346

Effect of Low-Fat versus Low-Carbohydrate Diet on Visceral Fat

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P347

Variability in Predictive Error of Waist Circumference Models: A Stratified Analysis Based on Body Mass Index, Waist Circumference, and Their Ratio

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P348

Weight Loss of Machine Learning Identified Metabolic Subtypes in Response to Dietary Interventions

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P349

Physical Activity Perceptions and Engagement of Patients Prescribed an Anti-Obesity Medication in a Medical Weight Loss Clinic

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P350

Increased Trunk Fat and Decreased Limb Fat Linked to Elevated Cardiovascular Risk in Hong Kong Chinese Women

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P02.10 Physical Functioning and Quality of Life

P351

The Associations of Short-Term, Chronic Localized and Chronic Widespread Pain With Life Expectancy Free of Major Chronic Diseases

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P352

Association of General and Exertional Fatigue Subtype With Pre-Clinical Heart Failure Stage in Community Dwelling Older Adults in the Atherosclerosis Risk in Communities Study

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P353

Effect of Exergaming-Based Dance Training Paradigm in Improving Cardiovascular Function and Functional Mobility Among People With Chronic Stroke

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P02.11 Pregnancy and Maternal and Fetal Health

P354

Prevalence of Meeting a Single versus Combined 24-Hour Movement Guidelines in Pregnant Women in Saudi Arabia

Saja Alghamdi Female, Alawyah Alsalman Female, Om Kalthom Sowadi Female, Nada Khojah Female, Hadeel Saad Female, **Abdullah Alansare Male**, King Saud Univ, Riyadh, Saudi Arabia

P355

Identifying Barriers and Facilitators to Home Blood Pressure Monitoring Among Pregnant Women With Hypertension Disorders of Pregnancy-A Qualitative Approach

Mawulorm Denu, Ritika Revoori, Katherine Sadaniantz, German Chiriboga, Sanjna Iyengar, Brooke Staples, Sarah Forrester, Stephenie C Lemon, Tiffany Moore Simas, Sharina PERSON, David McManus, Kathleen Mazor, Lara Kovell, UMass Chan Medical Sch, Worcester, MA

P356

Women's Reproductive Factors Are Associated With Future Risk of Hearing Loss

Dongshan Zhu, **Chunying Fu**, Qi Wang, 1. Dept of Epidemiology, Sch of Public Health, Cheeloo Coll of Med, Shandong Univ, Jinan, China; 2. Ctr for Clinical Epidemiology and Evidence-Based Med, Shandong Univ, Jinan, China, Jinan, China

P357

Health Behaviors in Early Pregnancy Are Associated With Mid-Pregnancy Biomarkers of Placental Health and Function

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P358

Association Between Psychological Distress and Cardiovascular Health Among Pregnant Individuals in the United States: Findings From Nationally Representative Data

Danish Iltaf Satti, Div of Cardiology, Johns Hopkins Sch of Med, Baltimore, MD; Jeffrey Shi Kai Chan, Cardiovascular Analytics Group, China-UK Collaboration, Hong Kong, Hong Kong; Reed Mszar, Dept of Chronic Disease Epidemiology, Yale Sch of Public Health, New Haven, CT; Yaa A Kwabong, Johns Hopkins Sch of Med, Baltimore, MD; Raymond Ngai Chiu Chan, Cardiovascular Analytics Group, China-UK Collaboration, Hong Kong, Hong Kong; Miriam E Katz, New York Medical Coll, Valhalla, NY; Faith Metlock, Yvonne Commodore-Mensah, Johns Hopkins Sch of Nursing and Public Health, Baltimore, MD; Jared Spitz, Jason A Bonomo, Garima Sharma, Inova Schar Heart and Vascular, Inova Fairfax Medical Campus, Falls Church, VA

P359

Neighborhood Social Disadvantage and Racial/Ethnic Disparities in Peripartum Cardiomyopathy in California, From 2004-2019

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P360

Association of Neighborhood-Level Socioeconomic Disadvantage and Maternal Cardiovascular Health in Early Pregnancy: The nuMoM2b-HHS Study

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P02.12 Promoting and Measuring Health Behaviors

P361

Health Behaviors, Healthcare Utilization and Social Determinants of Health Among Afro-Latin and Non-Hispanic Black Men at Risk for Hypertension: The CLIP Study

Milla E Arabadjian, NYU Long Island Sch of Med, Mineola, NY; Tanisha Green, NYU Grossman Sch of Med, New York, NY; Ligong Chen, Univ of Alabama, Birmingham, AL; Antoinette Schoenthaler, Olugbenga Ogedegbe, NYU Langone Health, New York, NY; JOSEPH RAVENELL, NYU Sch of Med, New York, NY

P362

Differences in Cardiovascular Health, Physical Activity Determinants, and Desired Intervention Components in Individuals With a History of Hypertensive Disorders of Pregnancy by Activity Level

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

P363

The Influence of Social Support on Heart Disease Risk Factor Knowledge in Texas African American Women

Brittney Bratcher-Rasmus, ATW Health Solutions/ Texas Southern Univ, Houston, TX; Marilyn Massey-Stokes, Texas Woman's Univ, Denton, TX

P364

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

P365

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

P366

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

P367

Regularity in Sleep and Eating Timing is Associated With Decreased Carotid Intima-Media Thickness in Healthy Young Adults

Thomas Keiser, Elissa K Hoopes, Melissa A Witman, Benjamin Brewer, Michele N D'Agata, David G Edwards, Shannon M Robson, Univ of Delaware, Newark, DE; Susan Malone, New York Univ, New York, NY; Freda Patterson, Univ of Delaware, Newark, DE

P368

Differences in Perceived General Health and Health Care Utilization by Race and Ethnicity During the COVID Pandemic: The C4R-MESA Study

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P369

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

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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

P371

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

Sandra Wittleder, NYU Sch of Med, New York, NY; Judith Wylie-Rosett, Albert Einstein Coll Med, New Hyde Park, NY; Allison P Squires, NYU Sch of Med, New York, NY; Azizi Seixas, Univ of Miami, Miami, FL; Aravinda Chakravarti, Johns Hopkins Univ, Baltimore, MD; Gina Angelotti, NYU Grossman Sch of Med, Brooklyn, NY; Morgan McManus, NYU Grossman Sch of Med, NYC, NY; Emily Johnston, NYU Grossman Sch of Med, Clovis, CA; Souptik Barua, NYU Grossman Sch of Med, New York, NY; Nicholas Illenberger, NYU Langone Health, New York, NY; Maliha Jeba, NYU Grossman Sch of Med, Jackson Heights, NY; Omobolanle Ayo, NYU Grossman Sch of Med, New York, NY; Raya Balabanova, NYU Grossman Sch of Med, Flushing, NY; Christopher Andres Sanchez, NYU Langone, New York, NY; Keisha Patel, NYU Sch of Med, New York, NY; Melanie Jay, NYU Grossman Sch of Med, New York, NY

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;

Darwin R Labarthe, Northwestern Univ, Chicago, IL; Matthew Davis, Lurie Children's Hosp, Chicago, IL; Lucia Petito, Northwestern Univ, Chicago, IL; Stephen R Daniels, Univ of Colorado Sch of Med, Aurora, CO; Marc Rosenman, Northwestern Univ, Chicago, IL; Rashmi Narayan, Alliance Chicago, Chicago, IL; Holly Gooding, Emory Univ, Atlanta, GA; Mark J Pletcher, UCSF, San Francisco, CA; Francis Alenghat, Univ of Chicago, Chicago, IL; Rupali Gandhi, Cheryl Lefaiver, Amanda Luff, Huma Khan, Advocate Health, Chicago, IL; Ileah Rios, Amy Yu, Norrina B Allen, Northwestern Univ, Chicago, IL

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, Hokyoo 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

Ju-Mi Lee, In-Kyu Park, Hae-Sung Nam, Chungnam Natl Univ, Daejeon, Korea, Republic of

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- κ B 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

Sonal Sharda, Manuel A. Cintron, Yvonne Baumer, Joshua A. Jacobs, Natl Inst of Health, Bethesda, MD; Alina P Pang, Weill Cornell Med, New York, NY; Lola R Ortiz-Whittingham, Kameswari A. Potharaju, Andrew S Baez, Abhinav Saurabh, Cristhian A Gutierrez Huerta, Erika Ortiz Chaparro, Billy S Collins, Valerie M Mitchell, Natl Inst of Health, Bethesda, MD; Michael J Corley, Weill Cornell Med, New York, NY; Tiffany M Powell-Wiley, Natl Inst of Health, Bethesda, MD

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 Insts 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

P391

Case Review of Congenital Ectopic Coronary Artery Disease

Ayomide Ogunidipe, 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; Deirdre 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 Kaplan, Albert Einstein Coll of Med, New York, NY; Walter Willett, Harvard T.H. Chan Sch 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 Switkowski, 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

MPS06 Diabetes

Moderator:

Mary Rooney, PhD, MPH

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 Hill, 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

Luis A. Rodriguez, Holly Finertie, Romain S. Neugebauer, Kaiser Permanente Div of Res, Oakland, CA; Bennett Gosiker, Kaiser Permanente Bernard J. Tyson Sch of Med, Pasadena, CA; Tainayah W. Thomas, Stanford Univ, Palo Alto, CA; Andy J. Karter, Kaiser Permanente, Oakland, CA; Lisa K. Gilliam, The Permanente Medical Group, San Francisco, CA; Caryn Oshiro, Kaiser Permanente Ctr for Integrated Health Care Res, Honolulu, HI; Jaejin An, Kaiser Permanente Southern California, Pasadena, CA; Gregg Simonson, Intl Diabetes Ctr, HealthPartners Inst, Minneapolis, MN; Andrea E. Cassidy-Bushrow, Henry Ford Health System, Detroit, MI; Sarah K. Dombrowski, Geisinger, State College, PA; Margaret B. Nolan, Patrick J. O'connor, HealthPartners Inst for Medical Education and Res, Bloomington, MN; Julie Schmittiel, Kaiser Permanente, Oakland, CA

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; Duanping 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

Niket Gupta, Katharine Harrington, Sindhu Chiluka, Velarie Ansu Baidoo, Shaina Joan Alexandria, Kristen Knutson, Mercedes R Carnethon, Dept of Preventive Med, Feinberg Sch of Med, Northwestern Univ, Chicago, IL

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

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MP44

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

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MP45

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

MP46

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

MP47

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 Alexeeff, Erica P Gunderson, Kaiser Permanente Northern CA, Oakland, CA

MP48 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 Welsh, Emory Univ, Atlanta, GA

WEDNESDAY

P03.01 Cardiometabolic Health and Disorders 2

P392

Cardiovascular-Kidney-Metabolic Syndrome Burden and Disparities in the 2011-2020 National Health and Nutrition Examination Survey

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P393

Trends in Risk Factor Control Among US Adults With Cardio-Kidney-Metabolic Multimorbidity, 1999-2020

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P394

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 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

P395

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

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P396

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, Hokyoo Lee, Yonsei Univ Coll of Med, Seoul, Korea, Republic of

P397

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

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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

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P400

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

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P401

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

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P402

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

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P03.02 Childhood and Youth

P403

Distribution of Cardiovascular Health and Its Impact on Carotid Intima-Media Thickness Among Korean Adolescents

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P404

Food Insecurity Has a Moderation Effect in the Association Between Neighborhood Deprivation and Obesity Among Children

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P405

Calibrating Routine Blood Pressures Among Preterm Infants: A Retrospective, Cross-Sectional Analysis **Matthew S Loop**, Jieun Park, Auburn Univ, Auburn, AL

P406

Screen Time and Behavioral Cardiovascular Health in Youth by Age: The Young Hearts Study

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P407

Decreased Peripheral Mitochondrial Respiration in Pre-Adolescent Hispanic Children With Hepatic Steatosis

Ana Ramirez Tovar, Cristian Sanchez Torres, Helaina Huneault, Zhulin He, Jean A Welsh, Miriam B Vos, Emory Univ, Atlanta, GA

P408

Plasma Metabolomic Profile of Dyslipidemia in Childhood: Genetics of Glucose Regulation in Gestation and Growth (Gen3G) Study

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P409

Maternal Macronutrient Intake at Pregnancy and Offspring Growth Trajectory Before Adulthood: A Prospective Analysis in the Growing Up Today Study 2 Cohort

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P410

Prevalence and Short Term Follow Up Rates Across the Childhood and Adolescent Obesity Population in a Community Hospital

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P411

Child Opportunity and Behavioral Cardiovascular Health in Youth: The Young Hearts Study

Amy Yu, Northwestern Univ Feinberg Sch of Med, Chicago, IL; Aashima Chopra, Northwestern Univ, Aurora, IL; Rachel Zmora, Darci Phillips, Northwestern Univ, Chicago, IL; Amanda M Marma, Ann & Robert H. Lurie Children's Hosp of Chicago, La Grae, IL; Yaojie Wang, Ilean Rios, Northwestern Univ, Chicago, IL; Sarah de Ferranti, Boston Children's Hosp, Boston, MA; Darwin R Labarthe, Northwestern Univ, Chicago, IL; Matthew M Davis, Northwestern Univ Feinberg Sch of Med, Chicago, IL; Lucia Petito, Northwestern Univ, Chicago, IL; Stephen R Daniels, Univ of Colorado Sch of Med, Aurora, CO; Marc Rosenman, Northwestern Univ, Chicago, IL; Rashmi Narayan, Rush Univ, Chicago, IL; Holly Gooding, Emory Univ, Atlanta, GA; Mark J Pletcher, UCSF, San Francisco, CA; Francis Alenghat, Rupali Gandhi, Univ of Chicago, Chicago, IL; Cheryl Lefaiver, Advocate Aurora Health Care, Chicago, IL; Amanda Luff, Advocate Aurora Health Care, Milwaukee, WI; Huma Khan, Advocate Aurora Health Care, Evergreen Park, IL; Donald M Lloyd-Jones, Norrina B Allen, Northwestern Univ, Chicago, IL

P412

Exploration of Eating Disorder Behaviors in Adolescent Girls Engaged in a Cardiovascular Risk Assessment Study

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P03.03 Chronic Kidney Disease

P413

Epigenetic Age Acceleration Measures Predict Cardiovascular Outcomes in Diabetic Kidney Disease

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P414

Serum Potassium Trajectories Among Chronic Kidney Disease Patients: The Chronic Renal Insufficiency Cohort Study

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P415

Validation of an Algorithm to Identify End-Stage Kidney Disease Cases in Electronic Health Record Data

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P416

Higher Household Income is Protective Against Chronic Kidney Disease Among White but Not Black Adults: An Analysis of 2017-2020 NHANES

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P417 c

A Cumulative Score Approach to Evaluating the Impact of Five Modifiable Lifestyle Factors on Kidney Function

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P418

Pre-Stroke Use of Loop Diuretics in Elderly Patients Aggravates Renal Function at the Onset of Acute Stroke: A Propensity Score-Matched, Retrospective Cohort Study

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P419

Urinary Na:K Excretion and the Risk of Cardiovascular Events in Patients With Chronic Kidney Disease

Cass G Sunga, Leila R Zelnick, Nisha Bansal, Univ of Washington, Seattle, WA

P420

Loneliness, Social Isolation, and Incident Chronic Kidney Disease Among Diabetes Patients

Rui Tang, Jian Zhou, Xuan Wang, Hao Ma, Xiang Li, Yoriko Heianza, Lu Qi, Tulane Univ, New Orleans, LA

P421

Smoking Timing, Healthy Diet, and Risk of Incident CKD Among Smokers: A Cohort Study in UK Biobank

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P422

Lifestyle Intervention Improved Blood Pressure and Cardiovascular Disease Biomarkers in Patients With Chronic Kidney Disease and Resistant Hypertension: Insights From the TRIUMPH Randomized Clinical Trial

Crystal C Tyson, Andrew Sherwood, Duke Univ Medical Ctr, Durham, NC; Alan L Hinderliter, Patrick J Smith, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Stephanie Mabe, Duke Univ Medical Ctr, Durham, NC; Linda Craighead, Emory Univ, Atlanta, GA; Lana L Watkins, Pao-Hwa Lin, William E Kraus, Duke Univ Medical Ctr, Durham, NC; James A Blumenthal, Duke, Durham, NC

P03.04 Diabetes 2

P423

Individual and Combined Effects of Diet, Exercise, and Metformin on Risk of Microvascular Complications in Older Type 2 Diabetes Patients: Post-Hoc Analysis of Action to Control Cardiovascular Risk in Diabetes (ACCORD) Trial Data

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P426

County-Level Structural Racism and Diabetes Prevalence Among White and Black US Adults

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P427

Vitamin D Deficiency and Cardiovascular Disease (CVD) Risk Factors in American Indian Adolescents: The Strong Heart Family Study

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P428

Risk-Based Approach to Defining Prediabetes Among Middle-Aged Adults in the Atherosclerosis Risk in Communities (ARIC) Study

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P429

Coffee Intake is Associated With Enhanced Insulin Sensitivity, Lower Post-Load Glucose Responses, and Lower Truncal Adiposity

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P430

Waist Circumference is a Key Predictor of Beta-Cell Function in Lean Rwandans With New-Onset Type 2 Diabetes Mellitus

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P431

Heparin-Warfarin Administered for Pulmonary Vein Thrombi Partially Dissolves Thrombi and Ameliorates Mild to Moderate Type 2 Diabetes Mellitus

Hidekazu Takeuchi, Takeuchi Naika Clinic, Ogachigun, Japan

P432

Validation and Optimization of the American Diabetes Association Score for Undiagnosed Type 2 Diabetes Risk in Hispanic or Latino Adults

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P434

Prediabetes and Diabetes Are Associated With Distinct Gut Microbial Composition in the Framingham Heart Study

Maura E Walker, Huimin Cheng, Daniel Cho, Boston Univ, Boston, MA; Honghuang Lin, UMass Chan Medical Sch, Worcester, MA; Maria Carlota Dao, Univ of New Hampshire, Durham, NH; Nicole L Spartano, Boston Univ, Boston, MA

P435

Trends and Disparities in Glycemic Control Among Youth and Adults With Type 1 Diabetes in the US Health System: 2008-2022

Yunwen Xu, Michael Fang, Shoshana Ballew, Joe Coresh, Elizabeth Selvin, Jung-Im Shin, Johns Hopkins Univ, Baltimore, MD

P436

Pre-Diabetes With and Without Cardiac Dysfunction and the Risk of Heart Failure in Older Adults

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P437

Cumulative Effect of Early-Onset Type 2 Diabetes on Left Ventricular Geometry - The Coronary Artery Risk Development in Young Adults (CARDIA) Study

Yilin Yoshida, Yuanhao Zu, Tulane Univ, New Orleans, LA; Bingbing Fan, Shandong Univ, Jinan, China; Shengxu Li, Children's Hosp and Clinics of Minnesota, Minneapolis, MN; Tadashi Yoshida, Emily Harville, Tulane Univ, New Orleans, LA; Tao Zhang, Shandong Univ, Jinan, China; Vivian A Fonseca, Tulane Univ Health Sci Ctr, New Orleans, LA

P438

Combined Association of Body Mass Index and Central Obesity on Mortality Risk in Diabetes Population: The China Health And Retirement Longitudinal Study (CHARLS)

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P03.05 Drugs, Alcohol and Tobacco Use

P439

Atherosclerotic Cardiovascular Risk Factor Burden Among Marijuana Users in the US Population

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P440

Antagonism of Thromboxane-Prostanoid Receptor Attenuates Alcohol-Induced Myocardial Inflammation

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P441

Alcohol Consumption and Incident Heart Failure, Ischemic Heart Disease and Atrial Fibrillation Among Current Drinkers: The All of Us Research Program

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P442

Secondhand Smoking Associated With Sleep Apnea Risk Score

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P443

Alcohol Use Prevalence Among US Born and Foreign-Born Black Adults in the 2010 to 2018 National Health Interview Survey

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P444

Pre-Pregnancy Substance Use and First Trimester Cardiovascular Health Among Nulliparous Pregnant People: The nuMoM2b Study

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P03.06 Health Equity and Social Justice

P445

Associations of Homeownership and Overcrowding Conditions With Cardiovascular Health Among Diverse U.S. Children and Adults

Liliana Aguayo, Nicole Fields, Emory Univ, Atlanta, GA

P446

Community-Engaged Strategies for Recruitment of Black Men at Risk for Hypertension: The CLIP Study

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P447

Heart Disease Health Disparities Among Native Hawaiian and Pacific Islander Communities in the United States: A Systematic Review

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P448

Urban Trail Infrastructure and Physical Activity Levels: A Systematic Review and Meta-Analysis of Natural Experiments

Isaak Douglas Fast, Children's Hosp Res Inst of Manitoba, Winnipeg, MB, Canada; Jonathan McGavock, Univ of Manitoba, Winnipeg, MB, Canada; Hannah Steiman De Visser VI, Christie Nashed, Jack Lötscher, Children's Hosp Res Inst of Manitoba, Winnipeg, MB, Canada

P449

Closing the Gender Gap in Bystander Cardiopulmonary Resuscitation: Unveiling Disparities and Pathways to Equal Lifesaving

Jynx Frederick, Resilient Public Health Services, Bishop, CA

P450

Assessing Admission Risk in Under-Resourced Neighborhoods: An Analysis by Race

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P451

Clinical, Demographic, and Geographic Trends in Cardiovascular Causes of Deaths Associated With Homelessness

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P453

Racial Disparities in Early Use of Transcarotid Artery Revascularization Among High-Risk and Symptomatic Black and White Adults With Carotid Artery Stenosis

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P454

Health Insurance Increases Access to Hypertension Treatment Among Venezuelan Migrants and Refugees: A Population-Based Survey in Peru

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P455

Effects of COVID-19 Pandemic on Racial Disparities in Coronary Artery Disease Mortality: Has the Existing Gap Worsened?

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P456

Expanding a Pipeline to Address San Joaquin Valley Health Inequity and Social Justice

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P457

Sociodemographic Differences in Cardiac Device Implantation in the Atherosclerosis Risk in Communities (ARIC) Study

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P458

Negative Mood is Associated With Sociobehavioral Factors Contributing to Cardiovascular Risk in an Immigrant Population

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P03.07 Methodology and Data Science

P459

Data Harmonization Strategies and Results in 5 CVD Cohorts

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P460

Attack of the (Survey) Bots: How We Determined That Our Anonymous Survey Was Full of False Data

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P461

Concordance of Hypoglycemia Symptoms Reported in Real-Time via Smartphone and Hypoglycemia Detected Using Continuous Glucose Monitoring (CGM) in Adults With Type 2 Diabetes

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P462

A Novel Framework for the Extraction and Modeling of Meal-Related Glucose Excursions Detected via Continuous Glucose Monitoring (CGM)

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P03.08 Mobile Health Technology and Wearables

P463

The Role of Information and Communication Technology in Cardiovascular Health: A Global Perspective

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P464

Performance of an Automated Sleep Scoring Approach for Actigraphy Data in Children and Adolescents

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P465

Linking Electronic Health Record and Wearable Device Data Can Provide Insight Into Expected Changes in Captured Heart Rate Due to Medication Usage

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P466

A Culturally Tailored mHealth Lifestyle Intervention Improves Diet and Physical Activity Self-Regulation Among African Americans

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P467

Patterns of Home Blood Pressure Monitoring Among Older Adults With Ischemic Heart Disease: Preliminary Analysis of the RESILIENT Trial

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P468

Correlation Among A1c Improvement, Weight Reduction, and Decreased ASCVD Risk in Participants Enrolled for Type 2 Diabetes Remission: Outcomes at 1 Year From an RCCT Using Whole-Body Digital Twin Technology

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P469

Ambient Weather is Associated With Sleep and Activity in Rural South

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P470

The Virtual Home Clinic: Feasibility and Challenges for Longitudinal Cohorts

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P03.09 Nutrition and Diet 2

P471

Association of Food Insecurity With Premature Mortality and Life Expectancy in the United States

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P472

Dietary Consumption of Potatoes and Incidence of Cardiovascular Disease

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P473

WIC-Tailored, Pre-Filled Online Shopping Carts Influence WIC Food Benefit Redemption

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P474

Association Between Dietary Patterns and Incident Hypertension in Regards (REasons for Geographic And Regional Differences in Stroke) Participants

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P475

Adherence to the EAT-Lancet Planetary Health Diet and Cardiometabolic Risk Markers in the Mediators of Atherosclerosis in South Asians Living in America (MASALA) Study

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P476

Changes in Olive Oil Consumption and Weight Changes in US Men and Women

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P477

Motivations and Barriers to Consuming a Plant-Based Diet: The EAT Plants 1 Study

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P478

Short-Term Voluntary Exercise Significantly Influences the Diet-Induced Changes in Cecal Microbial Content in Male Mice

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P479

Whole Grain and Refined Grain Intake and Associations With Adiposity, Inflammation, and Incident Type 2 Diabetes Among Adults of South Asian Ancestry in the MASALA Cohort

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P480

Digesting Detention: Investigating Eating Patterns in Jails

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P481

Diet Significantly Influences the Gastrointestinal Microbial Content in Male Mice Fed a Commercially Available Probiotic Supplement

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P482

Associations Between Determinates of Food Choice and Healthy Eating Index-2015 in Adults: An NHANES 2017 - 2018 Analysis

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P483

Food Purchase Priorities and Healthy Food Purchase Supports and Barriers for U.S. General and Low-Income Consumers: A Quantitative Survey

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P484

Systematic Review and Meta-Analysis of Cardiometabolic Effects of Trans Fatty Acids From Dairy Foods

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P485

Exercise Influences Metabolic Parameters and Expression of Markers of Endoplasmic Reticulum Stress in a Diet-Dependent Manner

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P486

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

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P488

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

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P489

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

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P03.10 Omics (Genetic)

P490

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

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P491

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

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P492

Polygenic Risk for Obesity and Race Modify the Effect of a Low Fat Dietary Clinical Trial on Weight Loss

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P493

A Multivariate Analysis of Genetic Risk Scores for Heart Failure and Left Ventricular Mass Derived From Multi-Ancestry Populations and Left Ventricular Mass Amongst African Americans: The Jackson Heart Study

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P494

Gene-Level Gene-Environment Interaction Testing Reveals Rare Variants With Large Impacts on the Omega-3 Fatty Acid-Inflammation Relationship

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P03.11 Omics (Non-Genetic)

P495

Gut Microbiome and Plasma Metabolome Signatures Are Associated With Systemic Inflammation in Children

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P496

Proteomic BMI Signature and Incidence of Type 2 Diabetes

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P497

Saliva, Plasma, and Multi-Fluid Metabolomic Profiles of Excess Adiposity and Their Associations With Diabetes Progression Among Puerto Ricans

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P498

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

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P03.12 Pharmacoepidemiology

P499

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

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P500

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

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P03.13 Preventive Cardiology

P502

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

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P503

Syphilis Infection and Increased Odds of Cardiovascular Morbidity

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P504

Dietary Nitrate Supplementation With Beet Juice Reduces Blood Pressure: A Systematic Review and Meta-Analysis of Randomized Controlled Trials

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P505

Investigating Sudden Death in a Large North Carolina County: Methods and Findings of a Population-Based Registry

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P506

Multifactorial Risk Control in Atherosclerotic Cardiovascular Disease Among Patients With Type 2 Diabetes Mellitus: Findings From the UK Biobank

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P507

Adherence to Pediatric Screening Guidelines for Cardiovascular Risk Factors in a Diverse Cohort of Children in Chicago

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P508

Comparisons of Cardiovascular Health in US Adults by Chronic Disease Status: National Health and Nutrition Examination Survey (NHANES), 2013-2018

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P510

Trends in Statin Therapy for Primary Prevention Among Older Veterans, 2003-2020

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P511

Trajectories of Modifiable Risk Factors, Cardiac Function and Incident Heart Failure in the Atherosclerosis Risk in Communities (ARIC) Cohort

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P512

Associations of Serum Insulin-Like Growth Factor (IGF)-1 Levels With Cognitive Function and Atherosclerosis in a Japanese General Population: The Tanushimaru Study

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P513

Coronary Artery Calcium Burden in Rural Alabama: Initial Findings From the Risk Underlying Rural Areas Longitudinal Cohort Study

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P514

Association Between Glycemic Disorder and Acute Coronary Syndrome Among Patients With Stable Coronary Artery Disease: A Propensity Score Matching Analysis

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P515

Multimorbidity in Rural Alabama: Rural Heart and Lung Study

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P516

Vascular Risk Assessment in Youth With Familial Hypercholesterolemia and Combined Dyslipidemia of Obesity

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P517

Age-Stratified Prevalence of Cardiovascular Risk Factors Among Asian American Subgroups

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P03.14 Sleep Behavior and Sleep Disorders

P520

Sleep Duration and Quality Associated With Behavioral Cardiometabolic Health in Israel: Jewish / Arab Ethnic Differences

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P521

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

P523

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

P524

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

P525

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

P526

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; Wanprapit Noree, Police General Hosp, Bangkok, Thailand; Voramol Rochanaroon, Rayong Hosp, Rayong, Thailand; Urairat Chuenchaem, Bumrungrad Intl Hosp, Bangkok, Thailand; Nisha Wanichwecharungruang, Central Chest Inst of Thailand, Bangkok, Thailand; Narathorn Kulthamrongsri, Dept of Pharmacology, Faculty of Med Siriraj Hosp, Mahidol Univ, Bangkok, Thailand; Narisara Tribuddharat, Chetsamian Hosp, Ratchaburi, Thailand; Thitiphan Srikulmontri, Siriraj Health Science Education Excellence Ctr, Education Dept, 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, Banpheao General Hosp, Samut Sakhon, Thailand; Ben Thiravetyan, Dept of Immunology, Faculty of Med Siriraj Hosp, Mahidol Univ, Bangkok, Thailand; Piengpitch Naunsilp, Faculty of Med, Khon Kaen Univ, Khon Kaen, Thailand; Possawat Vutthikraivit, Phramongkutklao Coll of Med, Mahidol Univ, Bangkok, Thailand; Jiayuan Wang, Alan Bao, Bahaar Ghaffarian, Young Ha, Andrea Yanez, 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; Phuuwadith 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

P527

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

Ebenezer K Aryee, Johns Hopkins Univ Sch of Med, Baltimore, MD; Sui Zhang, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Justin B Echouffo, Johns Hopkins Hosp, Baltimore, MD; John W McEvoy, Univ of Galway, Galway, Ireland; Joe Coresh, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Robert H Christenson, Univ of Maryland Medical Sch, Baltimore, MD; Elizabeth Selvin, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Chiadi E Ndumele, Johns Hopkins Hosp, Baltimore, MD

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

P532

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 Hillegeass, 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

P533

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 Children'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, Iovank 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 Kuipers, Univ of Pittsburgh Sch of Public Health, Pittsburgh, PA

P536

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

P537

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

P538

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

Stephanie Pan, Boston Univ, Boston, MA; Vasana 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

P539

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

P540

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:

Lynne E. Wagenknecht, DrPH

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 Pena, 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

Pharmaceuticals America Inc., Montgomery, AL; D'Andrea Freeman, NIH/NHLBI, Bethesda, MD; Sarah Deferranti, Childrens Hosp Boston, Boston, MA

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

Moderator:

Camille Lassale, PhD

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:**

Clara Sears, PhD

MP73

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

Irene Martinez-Morata, Kathrin Schilling, Ronald Glabonjat, Katlyn McGraw, Tiffany Sanchez, Mailman Sch of Public Health Columbia Univ, New York, NY; Joel D Kaufman, Univ Washington, Seattle, WA; Dhananjay Vaidya, Wendy S Post, Johns Hopkins Univ, Baltimore, MD; Miranda R Jones, Johns Hopkins Bloomberg SPH, Baltimore, MD; Michael Banks, Wake Forest Sch of Med, Winston Salem, NC; Daichi Shimbo, R. Graham Barr, Steven Shea, Columbia Univ Irving Medical Ctr, New York, NY; Ana Navas-Acien, Mailman Sch of Public Health Columbia Univ, New York, NY

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

Bazzano, Wei Chen, Jing Chen, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA; Tanika N Kelly, Univ of Illinois Chicago, Chicago, IL; Jiang He, Joshua D Bundy, Changwei Li, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA