



EPI|Lifestyle 2023

EPI/LIFESTYLE POSTER SESSIONS

All poster sessions take place in Ensemble EFG

TUESDAY, FEBRUARY 28

5:00 PM – 7:00 PM

Session Number	Session Title	Presentation Numbers	
P01.01	Biomarkers	100-104	
P01.02	Cardiometabolic Disease and Cancer	105-111	
P01.03	Cardiometabolic Health and Disorders 1	112-123	
P01.04	Childhood and Youth	124-136	P136 moved to Thursday
P01.05	Arrhythmia Sudden Death	137-138	
P01.06	Clinical Trials and Intervention Studies	139-147	
P01.07	Health Equity and Social Justice	148-150	
P01.08	Diabetes 1	151-162	
P01.09	Dissemination/Implementation	163-165	
P01.10	Environmental Exposures	166-172	
P01.11	Heart Failure 1	173-184	P584 is placed next to P179
P01.12	HIV and Other Infections	185-187	
P01.13	LGBTQ Health	188-193	
P01.14	Metabolomics and Proteomics	194-208	
P01.15	Nutrition and Diet 1	209-224	P210 moved to Thursday P222 moved to Wednesday
P01.16	Physical Activity and Sedentary Behavior 1	225-235	
P01.17	Physical Functioning and Quality of Life	236-239	
P01.18	Pregnancy and Maternal/Fetal Health	240-247	
P01.19	Psychosocial Factors	248-258	
P01.20	Social Determinants 1	259-269	
P01.21	Surveillance	270-272	
P01.22	Workplace Health	273-276	
MODERATED POSTER SESSIONS			
5:00 – 7:00 PM Moderated portion begins at 5:30 PM			
MPS01	Aging/Brain Health/Neurocognition	MP1-6	Moderator: Wendy Wang, PhD, MPH
MPS02	Nutrition 1	MP7-12	Moderator: Carol Oladele, PhD, MPH
MPS03	Health Disparities/Social Determinants of Health	MP13-18	Moderator: Sarah N. Forrester, PhD
MPS04	Omics	MP19-24	Moderator: Weihong Tang, MD, PhD, FAHA

WEDNESDAY, MARCH 1**5:00 – 7:00 PM**

P02.01	Aging in Older Adults	300-313	
P02.02	Cardiometabolic Health and Disorders 2	314-326	
P02.03	Cardiometabolic Risk Prediction 1	327-341	
P02.04	Diabetes 2	342-352	
P02.05	Health Disparities 1	353-364	
P02.06	Health Services Research, Outcomes and Practice Improvement	365-375	
P02.07	HERN	376-380	
P02.08	Hypertension	381-395	
P02.09	Mobile Health Technology and Wearables	396-404	
P02.10	Myocardial Infarction	405-413	
P02.11	Nutrition and Diet 2	414-429	P222 is placed next to P429
P02.12	Pharmacoepidemiology	430-435	
P02.13	Physical Activity and Sedentary Behavior 2	436-446	
P02.14	Preventive Cardiology 1	447-457	
P02.15	Sleep Behavior and Sleep Disorders	458-460	
P02.16	Smoking and Tobacco Use	461-466	
P02.17	Stroke	467-475	

MODERATED POSTER SESSIONS**5:00 – 7:00 PM Moderated portion begins at 5:30 PM**

MPS05	Biomarkers	MP25-30	Moderator: Nicole D. Armstrong, PhD
MPS06	Obesity	MP31-36	Moderator: Lynne E. Wagenknecht, DrPH, FAHA
MPS07	Psychosocial	MP37-42	Moderator: Junia de Brito, PhD, MPH, MBA
MPS08	Sleep	MP43-48	Moderator: Pamela Lutsey, PhD, MPH
MPS09	NHLBI- <i>Please see the NHBLI schedule for details on these posters</i>	MP49-54	<i>Please see the NHBLI schedule for details on these posters</i>

THURSDAY, MARCH 2**5:00 – 7:00 PM**

P03.01	Brain Health	500-504	
P03.02	Neurocognition	505-507	
P03.03	Cardiometabolic Health and Disorders 3	508-520	
P03.04	Cardiometabolic Risk Prediction 2	521-535	
P03.05	Chronic Kidney Disease	536-539	
P03.06	COVID19	540-547	
P03.07	Genetics	548-555	
P03.08	Global Health	556-567	
P03.09	Health Disparities 2	568-579	

P03.10	Heart Failure 2	580-592	P584 moved to Tuesday
P03.11	Lipids and Lipoproteins	593-598	
P03.12	Methodology	599-602	
P03.13	Nutrition and Diet 3	603-617	P210 is placed next to P617
P03.14	Obesity and Adipose Tissue Distribution	618-622	
P03.15	Peripheral Artery Disease and Venous Thrombosis	623-626	
P03.16	Preventive Cardiology 2	627-636	
P03.17	Promoting and Measuring Health Behaviors	637-651	P136 is placed next to P651
P03.18	Social Determinants 2	652-661	
P03.19	Subclinical Cardiovascular Disease	662-678	
MODERATED POSTER SESSIONS			
5:00 – 7:00 PM Moderated portion begins at 5:30 PM			
MPS10	Diabetes	MP55-60	Moderator: Elizabeth Selvin, PhD, MPH
MPS11	Nutrition 2	MP61-66	Moderator: Maya Vadiveloo PhD RD FAHA
MPS12	Physical Activity	MP67-72	Moderator: Kara M. Whitaker, PhD, MPH, FAHA, FACSM
MPS13	Childhood/Pregnancy/Maternal Health	MP73-78	Moderator: Wei Perng, PhD MPH and Mingyu Zhang, PhD, MHS

Note: presenters were encouraged to submit ePosters to supplement their printed poster. ePoster viewing will be available starting at 5PM Eastern February 28. Please visit <https://epi.apprisor.org> to view ePosters

Tuesday, February 28

MPS01 Aging/Brain Health/Neurocognition

MP01 **Midlife Diabetes and Lifetime Risk of Dementia: During 30 Years Follow-Up From the ARIC Study**

Jiaqi Hu, Michael Fang, Johns Hopkins Univ, Baltimore, MD; James Russell Pike, Univ of North Carolina, Chapel Hill, NC; Pamela L Lutsey, UNIVERSITY OF MINNESOTA, Minneapolis, MN; A. Richey Sharrett Sr., JOHN HOPKINS UNIV, Baltimore, MD; Lynne E Wagenknecht, WAKE FOREST UNIV, Winston Salem, NC; Timothy M Hughes, WAKE FOREST UNIVERSITY, Winston Salem, NC; Jesse Seegmiller, Univ of Minnesota, Minneapolis, MN; Rebecca F Gottesman, NINDS, Baltimore, MD; Thomas Mosley Jr., UNIV MS MEDICAL CTR, Jackson, MS; Elizabeth Selvin, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Josef Coresh, JOHNS HOPKINS SPH WELCH CENTER, Baltimore, MD

MP02 **Gut Microbiome Alteration and Structural Brain Features Among Healthy Japanese Men**

Sabrina Ahmed, Yuichiro Yano, Zhang Hexun, Yukiko Okami, Nazar Mohd Zabadi Mohd Azahar, Shiga Univ of Medical Science, Otsu, Japan; Keiko Kondo, Shiga Univ of Medical Science, Otsu, Japan; Hisatomi Arima, Fukuoka Univ, Fukuoka, Japan; Sayuki Torii, Mohammad Moniruzzaman, Aya Kadota, Akira Andoh, Akihiko Shiino, Kazuhiko Nozaki, Hirotsugu Ueshima, Shiga Univ of Medical Science, Otsu, Japan; Katsuyuki Miura, Shiga Univ of Medical Science, Shiga, Japan

- MP03 **Adiponectin Levels in Young Adulthood and the Association With Midlife Cognition: The Bogalusa Heart Study**
Ileana De Anda-Duran, Tulane Univ, New Orleans, LA; Owen Carmichael, Pennington Biomedical Res Ctr, Baton Rouge, LA; Vijaya B Kolachalama, Boston Univ, Boston, MA; Camilo Fernandez, Tulane Univ, New Orleans, LA; Rhoda Au, Boston Univ, Sch of Med, Boston, MA; David Libon, Rowan Univ, Glassboro, NJ; Lydia A Bazzano, Tulane Univ, New Orleans, LA
- MP05 **Prospective Associations of Midlife Physical Activity and Sedentary Behavior With Brain Structure: The Cardia Study**
Kara M Whitaker, UNIVERSITY OF IOWA, Iowa City, IA; Kelley P Gabriel, UAB Sch of Public Health, Birmingham, AL; Annika Helverson, UNIVERSITY OF IOWA, Iowa City, IA; Dong Zhang, UNIVERSITY OF ARKASAS FOR MEDICAL SCIENCES, Little Rock, AR; Barbara Sternfeld, Stephen Sidney, KAISER PERMANENTE NORTHERN CAL, Oakland, CA; David R Jacobs Jr., UNIVERSITY OF MINNESOTA, Minnetonka, MN; Priya Palta, COLUMBIA UNIVERSITY MEDICAL CENTER, New York, NY; Kristine Yaffe, UNIVERSITY OF CALIFORNIA SAN FRANCISCO, San Francisco, CA; Nick Bryan, UNIVERSITY OF PENNSYLVANIA, Philadelphia, PA
- MP06 **Women but Not Men With a Systolic Blood Pressure Greater the 110mmhg Was Associated With Higher Risk of All-Cause Dementia**
Caiyun Dong, **Dongshan Zhu**, Shandong Univ, Jinan, China

MPS02 Nutrition 1

- MP07 **Changes in Weight From Sugar- or Artificially-Sweetened Beverages or Water Intake in a Prospective Cohort**
Alan Espinosa-Marrón, Yi Wan, Josiemer Mattei, Frank B Hu, Walter C. Willett, Harvard T.H. Chan Sch of Public Health, Boston, MA
- MP08 **Association of a Mediterranean Lifestyle With All-Cause and Cause-Specific Mortality: A Prospective Cohort Study From UK Biobank**
Mercedes Sotos-Prieto, Javier Maroto Rodriguez, Mario Delgado-Velandia, Univ Autonomous of Madrid, Madrid, Spain; Aurora Perez-Cornago, Cancer Epidemiology Unit, Univ of Oxford, Oxford, United Kingdom; Rosario Ortola, Univ Autonomous of Madrid, Madrid, Spain; Fernando Rodriguez-Artalejo, Autonomous Univ of Madrid, Madrid, Spain
- MP09 **Diets Varying in Glycemic Index and Carbohydrates With Meal-Timing Specific 12-hour Postprandial Metabolic Changes: The Omnicarb Trial**
Xuan Wang, Tulane Univ, New Orleans, LA; Hao Ma, Tulane university, New Orleans, LA; Yoriko Heianza, TULANE UNIVERSITY, New Orleans, LA; Lawrence J Appel, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Frank M Sacks, Harvard T.H. Chan Sch of Public Health, Concord, MA; Lu Qi, TULANE UNIVERSITY, New Orleans, LA
- MP10 **Healthy Diet Perception vs Actual Diet Quality for Cardiovascular Health: Prevalence and Predictors of Perceiving a Poor Diet as Healthy Among Adults**
Eileen Lee, Aayush Visaria, Shauna Downs, Nurgul Fitzgerald, Rutgers Univ, New Brunswick, NJ; Nathaniel Kuhrt, Rutgers New Jersey Medical Sch, Ocean City, NJ; Soko Setoguchi, Rutgers Univ, New Brunswick, NJ
- MP11 **Ultra-Processed Food Consumption and Cardiovascular Disease in the European Prospective Investigation Into Cancer and Nutrition Study**
Maria Gabriela Matias de Pinho, **Joreintje Mackenbach**, Jeroen Lakerveld, Joline Beulens, Amsterdam UMC, Amsterdam, Netherlands; Inge Huybrechts, IARC, Lyon, France

MP12 Dash Diet and Its Components is Associated With Visceral Fat Area and Hepatic Attenuation Among South Asian Adults in the Mediators of Atherosclerosis in South Asians Living in America (MASALA) Study (2010-2013)

Bridget M Hussain, Andrea L Deierlein, New York Univ, New York, NY; Sameera A Talegawkar, Milken Inst Schl of Pub Health, Washington, DC; Joyce A. O'Connor, New York Univ, New York, NY; Meghana Gadgil, Alka M Kanaya, UCSF, San Francisco, CA; Namratha Kandula, NORTHWESTERN UNIVERSITY, Chicago, IL; Yong Lin, Rutgers, The State Univ of New Jersey, Newark, NJ; Niyati Parekh, New York Univ, New York, NY

MPS03 Health Disparities/Social Determinants of Health

MP13 Disparities in Home Blood Pressure Monitoring Among Adults Diagnosed With Hypertension Receiving Primary Care in a Large Academic Health System

Xiaoyue Liu, Johns Hopkins Univ, Baltimore, MD; Cheryl R Dennison Himmelfarb, JOHNS HOPKINS UNIV, Baltimore, MD; Cherilyn Hall, Johns Hopkins Univ, Baltimore, MD; Lisa A Cooper, JOHN HOPKINS UNIV SCH OF MEDICINE, Baltimore, MD; Yvonne Commodore-Mensah, JOHNS HOPKINS SCHOOL OF NURSING, Baltimore, MD

MP14 Association Between Housing Insecurity With Reduced Access to Healthcare and Cardiovascular Disease Prevention: The Behavior Risk Factor Surveillance System (BRFSS) Study

Bisma Khwaja, Western Univ of Health Sciences Coll of Osteopathic Med of the Pacific, Pomona, CA; Jamie Ng, California State Polytechnic Univ, Pomona, Pomona, CA; Lauren J Sinks, Univ of Southern California, Keck Sch of Med, Dept of Population and Public Health Sciences, Los Angeles, CA; Diana Aguilar-Cruz, California State Polytechnic Univ, Pomona | Coll of Science, Pomona, CA; Frances M Wang, Bloomberg Sch of Public Health, Johns Hopkins Univ, Baltimore, MD

MP15 Mediation Effects of Social, Behavioral, and Metabolic Risk Factors on Racial Disparities in Cardiovascular Disease Mortality in US Adults

Jiang He, Joshua D Bundy, Siyi Geng, Ling Tian, Hua He, Katherine T Mills, Jing Chen, Tulane Univ, New Orleans, LA

MP16 Status of Cardiovascular Health in US Immigrants Using the AHA's Life's Essential 8 Metrics: Prevalence Estimates and Social Determinants From the 2013-2018 National Health and Nutrition Examination Survey

Nour Makarem, Rahul Hosalli, Vanessa Dinh, COLUMBIA UNIVERSITY MEDICAL CENTER, New York, NY; Billy A Caceres, Columbia Univ, Forest Hills, NY; Amanda C McClain, San Diego State Univ, San Diego, CA; Pricila Mullachery, Temple Univ, Philadelphia, PA; Odayme Quesada, The Christ Hosp, Cincinnati, OH

MP17 Geographic Variations in Diet Quality Among Adults in the United States

Junxiu Liu, Dept of Population Health Science and Policy, Icahn Sch of Med at Mount Sinai, New York, NY; Zhuo Chen, Dept of Health Policy and Management, Univ of Georgia, Athens, GA; Lan Mu, Dept of Geography, Univ of Georgia, Athens, GA; Yan Li, Mount Sinai Sch of Med, New York, NY; Janani R Thapa, Dept of Health Policy and Management, Univ of Georgia, Athens, GA; Jose Pagan, Dept of Public Health Policy and Management, Sch of Global Public Health, New York Univ, New York, NY; **Donglan Zhang**, NYU Long Island Sch of Med, Mineola, NY

MP18 Associations of Individual and Area-Based Socioeconomic Status With Cardiovascular Outcomes and Mortality: A Prospective Cohort Study

Han Han, Geng Zong, SINH, Shanghai, China

MPS04 Omics

- MP19 **An eGFR Polygenic Score Predicts Chronic Kidney Disease in African Americans**
Alana C Jones, Amit Patki, Vinodh Srinivasasainagendra, Nicole Davis Armstrong, Univ of Alabama at Birmingham, Birmingham, AL; Ninad S Chaudhary, Univ of Texas Health Science Ctr at Houston, Houston, TX; Bertha Hidalgo, Hemant K Tiwari, Nita Limdi, Univ of Alabama at Birmingham, Birmingham, AL; Donna K Arnett, Univ of South Carolina, West Columbia, SC; Leslie Lange, Ethan Lange, Univ of Colorado, Aurora, CO; Krzysztof Kiryluk, Atlas Khan, Columbia Univ, New York, NY; Marguerite M Irvin, Univ of Alabama at Birmingham, Birmingham, AL
- MP20 **Genome Wide Association Study of Early Childhood BMI in Ancestrally Diverse Populations Identifies Novel Loci**
Carolina G Downie, Poojan Shrestha, Samson Okello, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Harold Lee, The Pennsylvania State Univ, University Park, PA; Yujie Wang, Daeun Kim, Mariaelisa Graff, Kimon Divaris, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Kari E North, Univeristy of North Carolina at Chapel Hill, Chapel Hill, NC
- MP21 **Associations Between Plasma Proteome, Leukocyte Telomere Length, and Polygenic Risk Score for Leukocyte Telomere Length: The Atherosclerosis Risk in Communities Study (ARIC)**
Aixin Li, Ingrid Jacobson, Brian T Steffen, Univ of Minnesota, Minneapolis, MN; Jiaqi Xie, John Hopkins Univ, Baltimore, MD; Nathan Pankratz, John Lane, Univ of Minnesota, Minneapolis, MN; Dan E Arking, Johns Hopkins Univ, Baltimore, MD; Thomas Mosley Jr., UNIV MS MEDICAL CTR, Jackson, MS; Weihua Guan, Sanaz Sedaghat, Jim S Pankow, Pamela L Lutsey, Weihong Tang, Univ of Minnesota, Minneapolis, MN
- MP22 **Plasma Metabolomic Profiles Associated With Mortality and Longevity in a Prospective Study of 13,401 Individuals**
Fenglei Wang, Anne-Julie Tessier, Liming Liang, Clemens Wittenbecher, Harvard T.H. Chan Sch of Public Health, Boston, MA; Danielle Haslam, Brigham and Women's Hosp and Harvard Medical Sch, Canton, MA; A Heather Eliassen, Harvard T.H. Chan Sch of Public Health, Boston, MA; Kathryn M Rexrode, Deirdre K Tobias, Brigham and Women's Hosp and Harvard Medical Sch, Boston, MA; Jun Li, Brigham and Women's Hosp, Boston, MA; Oana Zeleznik, Brigham and Women's Hosp and Harvard Medical Sch, Boston, MA; Meir Jonathan Stampfer, Harvard T.H. Chan Sch of Public Health, Boston, MA; Francine Grodstein, Rush Univ Medical Ctr, Chicago, IL; Miguel Martínez-González, Univ of Navarra, Pamplona, Spain; Jordi Salas-Salvado, Univ Rovira i Virgili, Reus, Spain; Clary Clish, Broad Inst of MIT and Harvard, Cambridge, MA; Kyu Ha Lee, Qi Sun, Frank Hu, Marta Guasch-Ferré, Harvard T.H. Chan Sch of Public Health, Boston, MA
- MP23 **Circulating Gut Microbiota-Related Metabolites and Risk of Coronary Heart Disease: A Prospective, Multiethnic, Metabolomic Study**
Jae Jeong Yang, Xiao-Ou Shu, Vanderbilt Univ Medical Ctr, Nashville, TN; Deepak K Gupta, VANDERBILT UNIVERSITY MEDICAL CTR, Nashville, TN; Loren Lipworth, Vanderbilt Univ Medical Ctr, Nashville, TN; David M Herrington, WAKE FOREST UNIV SCHOOL MEDICI, Winston Salem, NC; Bing Yu, UNIV OF TX HEALTH SCI CTR HOUSTON, Houston, TX; Ioanna Tzoulaki, IMPERIAL COLLEGE LONDON, London, United Kingdom; Hui Cai, Vanderbilt Univ Medical Ctr, Nashville, TN; Georgia Saylor, Wake Forest Sch of Med, Winston-Salem, NC; Yueh Ning Yang, UTHealth Sch of Public Health, Houston, TX; Rui Climaco Pinto, Imperial Coll London, LONDON, United Kingdom; **Danxia Yu**, Vanderbilt Univ Medical Ctr, Nashville, TN
- MP24 **Atherogenic Gut Microbial Metabolite Scores and Risk of Coronary Heart Disease Among Women in the Nurses' Health Study**
Yoriko Heianza, Xuan Wang, TULANE UNIVERSITY, New Orleans, LA; Saumya Tiwari, Univ of California San Diego, San Diego, CA; Qi Sun, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA;

Kathryn M Rexrode, BRIGHAM AND WOMENS HOSPITAL, Boston, MA; Jeramie Watrous, Univ of California San Diego, La Jolla, CA; Mohit Jain, Univ. of California - San Diego, La Jolla, CA; Joann E Manson, Brigham and Women's Hosp, Boston, MA; Lu Qi, TULANE UNIVERSITY, New Orleans, LA

P01.01 Biomarkers

P100 Associations Between Urinary Biomarkers at Baseline and Salt and Potassium Sensitivity: The GenSalt Study

Kieran J Maroney, Hua He, Yadan Li, Jiang He, Tulane Univ, New Orleans, LA; Jing Chen, Tuland Sch of Med, New Orleans, LA

P101 Effect of an Intensive Lifestyle Intervention on Biomarkers of Atrial Fibrillation-Related Pathways Among Overweight Adults: The PREDIMED-PLUS Trial

Linzi Li, Emory Univ, Atlanta, GA; Estefania Ainhoa Toledo, Univ of Navarra, Pamplona, Spain; Dora Romaguera, Health Res Inst of the Balearic Islands (IdISBa), Palma de Mallorca, Spain; Angel M Alonso-Gómez, Bioaraba Health Res Inst, Vitoria-Gasteiz, Spain; Cristina Razquin, Univ of Navarra, Pamplona, Spain; Lucas Tojal-Sierra, Bioaraba Health Res Inst, Vitoria-Gasteiz, Spain; Miquel Fiol, Health Res Inst of the Balearic Islands (IdISBa), Palma de Mallorca, Spain; Miguel Angel Martinez-Gonzalez, Univ of Navarra, Pamplona, Spain; Jordi Salas-Salvado, Univ Rovira i Virgili, Reus, Spain; Montserrat Fito, Hosp del Mar, Barcelona, Spain; Alvaro Alonso, Emory Univ, Atlanta, GA

P102 Sex Differences in Laboratory Values Prior to In-Hospital Cardiac Arrest

Mina Attin, Univ of Nevada @ Las Vegas, Las Vegas, NV

P103 Associations Between Brain Volumes and Cerebral Blood Flow and Sex Hormones in the Look AHEAD Brain MRI Cohort

Yvette Yeboah-Kordieh, Johns Hopkins Univ, Baltimore, MD; Wendy Bennett, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Vidya Chandran, Johns Hopkins Univ, Baltimore, MD; Erin D Michos, Johns Hopkins Univ, Clarksville, MD; Rita R Kalyani, Johns Hopkins Hosp, Baltimore, MD; Wu Jiajun, Johns Hopkins Univ, Baltimore, MD; Paul A Nyquist, JOHNS HOPKINS, Mc Lean, VA; Mark Espeland, Wake Forest Univ Sch of Med, Winston-Salem, NC; Dhananjay Vaidya, JOHNS HOPKINS UNIVERSITY, Baltimore, MD

P104 Association of Thyroid Peroxidase Antibodies and Mortality Risk in Participants of the ELSA-Brasil Cohort Study

Vandrize Meneghini, Univ de São Paulo, Sao Paulo, Brazil; William Tebar, Univ de Sao Paulo - USP, Sao Paulo, Brazil; Itamar S Santos, Univ de Sao Paulo, Sao Paulo, Brazil; Carolina Janovsky, Hosp Universitário - USP, Sao Paulo, Brazil; Paulo A Lotufo, Univ of Sao Paulo, Sao Paulo, Brazil; Alessandra C Goulart, Univ de Sao Paulo, Sao Paulo, Brazil; Isabela M Bensenor, Hosp Univrio, Sao Paulo, Brazil

P01.02 Cardiometabolic Disease and Cancer

P105 Peripheral Artery Disease and Subsequent Risk of Cancer: The Atherosclerosis Risk in Communities (ARIC) Study

Shoichiro Nohara, Yejin Mok, Johns Hopkins Univ, Baltimore, MD; Jeremy Van't Hof, Univ of Minnesota, Minneapolis, MN; Maya Salameh, Corinne Joshu, Elizabeth Platz, Roberta Florido, Kunihiro Matsushita, Johns Hopkins Univ, Baltimore, MD

P106 Prevalence of Cardiometabolic Risk Factors in Patients With versus Without Cancer: Insights From a Large US Healthcare System

Izza Shahid, Houston Methodist Academic Inst, Houston, TX; Aayush Shah, Houston Methodist Hosp, Houston, TX; Rakesh Gullapelli, Houston Methodist, HOUSTON, TX; Eleonora Avenatti, Jorge Carrasco Avila, Roshni Mandania, Nihan Farooq, Houston Methodist Hosp, Houston, TX; Sherif F Nagueh, THE METHODIST HOSPITAL, Houston, TX; Maan Malahfji, Jenny Chang, Houston Methodist Hosp, Houston, TX; Khurram Nasir, Houston Methodist, Houston, TX

P107 **Utilization of Statins in Patients With versus Without Cancer and Atherosclerotic Cardiovascular Disease**

Izza Shahid, Houston Methodist Academic Inst, Houston, TX; Jorge Carrasco Avila, Houston Methodist Hosp, Houston, TX; Rakesh Gullapelli, Houston Methodist, HOUSTON, TX; Eleonora Avenatti, Roshni Mandania, Nihan Farooq, Aayush Shah, Houston Methodist Hosp, Houston, TX; Sherif F Nagueh, THE METHODIST HOSPITAL, Houston, TX; Maan Malahfji, Jenny Chang, Houston Methodist Hosp, Houston, TX; Khurram Nasir, Houston Methodist, Houston, TX

P108 **Post-Diagnosis Body Weight Change and Cardiovascular Outcomes in Cancer Survivors**

Hyeok-Hee Lee, Hokyou Lee, Ga Bin Lee, Yonsei Univ Coll of Med, Seoul, Korea, Republic of; Dong Wook Shin, Sungkyunkwan Univ Sch of Med, Seoul, Korea, Republic of; Danbee Kang, Sungkyunkwan Univ, Seoul, Korea, Republic of; Jong-Chan Youn, Seoul St. Mary's Hosp, CMC, Seoul, Korea, Republic of; Juhee Cho, Sungkyunkwan Univ, Seoul, Korea, Republic of; Hyeon Chang Kim, Yonsei Univ Coll of Med, Seoul, Korea, Republic of

P109 **Access to Mental Health Care Services as a Risk Factor for Cardiovascular and Cerebrovascular Disease Mortality**

Nwakaego Ada Nmezi, MedStar NRH, Washington DC, DC; Ruth-Alma Turkson-Ocran, Beth Israel Deaconess Medical Ctr/Harvard Medical Sch, Boston, MA; Yvonne Commodore-Mensah, Johns Hopkins Univ, Elkridge, MD

P110 **Hypothalamic Amenorrhea Phenotype and Cardiovascular Disease Risk**

Jennifer J Stuart, JoAnn E Manson, Brigham and Women's Hosp and Harvard Medical Sch, Boston, MA; C. Noel Bairey Merz, Cedars-Sinai Smidt Heart Inst, Los Angeles, CA; Kenneth J. Mukamal, Beth Israel Deaconess Medical Ctr, Boston, MA; Kathryn M. Rexrode, Janet W. Rich-Edwards, Brigham and Women's Hosp and Harvard Medical Sch, Boston, MA; Chrisandra L. Shufelt, Mayo Clinic, Jacksonville, FL

P111 **Facilitators and Barriers to Physical Activity Among African American Long-Term Breast Cancer Survivors**

Yvonne R Ford, North Carolina A&T State Univ, Greensboro, NC; Bobbi Brown, North Carolina Central Univ, Durham, NC

P01.03 Cardiometabolic Health and Disorders 1

P112 **Association of Obesity Sub-Phenotypes With Indices of Cardiac Remodeling in the Framingham Heart Study**

William J He, Boston Univ Sch of Medicin, Boston, MA; Brenton Prescott, Boston Univ, Boston, MA; Vanessa Xanthakis, BU SCHOOL OF MEDICINE, Boston, MA; Susan Cheng, Cedars-Sinai Medical Ctr, Los Angeles, CA; Vasan S Ramachandran, FRAMINGHAM HEART STUDY, Berlin, MA

P113 **Cardiovascular Outcomes in Patients With NAFLD: A Six Year Epidemiologic Study 2015-2020**

Yaser Khalid, The Wright Ctr, Scranton, PA; Kirti Dasu, Drexel Univ, Philadelphia, PA; Neethi Dasu, Jefferson Health NJ, Voorhees, NJ; Fizan Khalid, Rutgers Newark, Newark, NJ; **Rohan Umrani**, Jefferson Health NJ, Voorhees, NJ; Trinava Roy, Jefferson Health, Voorhees, NJ; Christopher Chhoun, Jefferson Health NJ, Voorhees, NJ

- P114 **Revisiting the Impact of Obstructive Sleep Apnea (OSA) on Cardiovascular Disease and Outcomes**
Yaser Khalid, The Wright Ctr, Scranton, PA; Kirti Dasu, Drexel Univ, Philadelphia, PA; Neethi Dasu, Jefferson Health NJ, Voorhees, NJ; Fizan Khalid, Rutgers Newark, Newark, NJ; Bhavana Kadiyala, **Rohan Umrani**, Jefferson Health NJ, Voorhees, NJ
- P115 **Ethnic Differences in Cardiovascular Disease Deaths Among African American, African Immigrant and Afro-Caribbean Adults in the 1999-2018 National Health Interview Surveys**
Oluwabunmi V Ogungbe, Johns Hopkins Univ, Baltimore, MD; Ruth-Alma Turkson-Ocran, Instructor, Harvard Medical Sch Beth Israel Deaconess Medical Ctr Johns Hopkins Univ, Boston, MA; Diana-Lyn Baptiste, Johns Hopkins Sch of Nursing, Baltimore, MD; Fredrick Larbi Kwapong, Instructor, Harvard Medical Sch Beth Israel Deaconess Medical Ctr, Boston, MA; Emily Aidoo, Instructor, Harvard Medical Sch Beth Israel Deaconess Medical Ctr, Boston, MA; Yvonne Commodore-Mensah, Instructor, Harvard Medical Sch Beth Israel Deaconess Medical Ctr, Boston, MA, Elkridge, MD; Yvonne Commodore-Mensah, JOHNS HOPKINS SCHOOL OF NURSIN, Baltimore, MD
- P116 **Racial/Ethnic and Nativity Differences in Cardiovascular Disease Mortality in the United States: Insights From the National Health Interview Survey 1999-2018**
Ruth-Alma Turkson-Ocran, Harvard Medical Sch; Beth Israel Deaconess Medical Ctr, Boston, MA; **Oluwabunmi V Ogungbe**, Johns Hopkins Univ, Baltimore, MD; Nwakaego Ada Nmezi, MedStar NRH, Washington DC, DC; Binu Koirala, Johns Hopkins Sch of Nursing, Abingdon, MD; Fredrick Larbi Kwapong, Emily Aidoo, Harvard Medical Sch; Beth Israel Deaconess Medical Ctr, Boston, MA; Yvonne Commodore-Mensah, JOHNS HOPKINS SCHOOL OF NURSIN, Baltimore, MD
- P117 **Weight Loss is Associated With Increases in Mitochondrial DNA Copy Number** **Chiamaka Okonkwo**, Bige Ozkan, Justin B Echouffo Tcheugui, Gary Gerstenblith, Josef Coresh, Dan E Arking, Chiadi E Ndumele, Johns Hopkins Univ, Baltimore, MD
- P118 **Association Between Shift-and-Persist and Cardiovascular Health Among Young Adults in Puerto Rico**
Andrea A Lopez Cepero, Emory Univ, Atlanta, GA; Shakira F Suglia, Emory UNIVERSITY, Atlanta, GA; Tanya Spruill, NYU, NYC, NY; Tene T Lewis, EMORY UNIVERSITY, Atlanta, GA; Israel Almodovar, Univ of Puerto Rico - Mayagüez, Mayagüez, PR; Catarina I Kiefe, UNIV OF MASSACHUSETTS MEDICAL SCHOOL, Worcester, MA; Katherine L Tucker, UNIVERSITY OF MASSACHUSETTS LOWELL, Lowell, MA; Jose F Rodriguez-Orengo, Univ of Puerto Rico- Medical Sciences Campus, San Juan, PR; Milagros C Rosal, UMASS MEDICAL SCHOOL, Worcester, MA; Cynthia M Perez, Univ of Puerto Rico- Medical Sciences Campus, San Juan, PR
- P119 **Circulating microRNA-122 and Improvement in Cardiovascular Health in Response to Weight-Loss Diets: The Preventing Overweight Using Novel Dietary Strategies (Pounds Lost) Trial**
Qiaochu Xue, Tulane Univ, New Orleans, LA; Yoriko Heianza, TULANE UNIVERSITY, New Orleans, LA; Xiang Li, Minghao Kou, Tulane Univ, New Orleans, LA; Hao Ma, Tulane university, metairie, LA; Xuan Wang, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA; Jennifer Rood, Pennington Biomedical Res Cent, Baton Rouge, LA; George Bray, Pennington Res Inst, Baton Rouge, LA; Frank M Sacks, Harvard T.H. Chan Sch of Public Health, Concord, MA; Lu Qi, TULANE UNIVERSITY, New Orleans, LA
- P120 **Neighborhood Factors Influence Cardiovascular Outcomes for Depressed and Non-Depressed Individuals With Heart Failure With Reduced Ejection Fraction**
Timothy M Bober, Univ of Pittsburgh, Pittsburgh, PA; Emily Guhl, Heritage Valley Health System, Beaver, PA; Scott Rothenberger, Kwonho Jeong, Kaleab Abebe, Amy Anderson, Jared W Magnani, Univ of Pittsburgh, Pittsburgh, PA; Bea Belnap, Univeristy of Pittsburgh, Pittsburgh, PA; Bruce L Rollman, Amber E Johnson, Univ of Pittsburgh, Pittsburgh, PA
- P121 **Varying Determinants of Endothelial Dysfunction by Age Group Among Mexican Americans**

Miryoung Lee, The Univ of Texas Health Science Ctr at Houston, Sch of Public Health, Brownsville, TX; Enrique D Garcia-Sayan, The Univ of Texas Health Science Ctr at Houston, McGovern Medical Sch, Houston, TX; James R Stone, Danielle M Stone, South Heart Clinic, Harlingen, TX; David D McPherson, The Univ of Texas Health Science Ctr at Houston, McGovern Medical Sch, Houston, TX; Susan P Fisher-Hoch, Joseph B McCormick, The Univ of Texas Health Science Ctr at Houston, Sch of Public Health, Brownsville, TX; Susan T Laing, The Univ of Texas Health Science Ctr at Houston, McGovern Medical Sch, Houston, TX

P122 **Life's Simple 7 and Psychosocial Health Predict Physical Frailty, Hospital Frailty, and Comprehensive Frailty Index 10 Years Later**

Qi Wang, Ctr for Health Management and Policy Res, Sch of Public Health, Cheeloo Coll of Med, Shandong Univ (NHC Key Lab of Health Economics and Policy Res), Jinan, China; Dongshan Zhu, Dept of Epidemiology, Sch of Public Health, Cheeloo Coll of Med, Shandong Univ, Jinan, China

P123 **Moderation of Associations Between Lifetime Racial Discrimination and Cardiometabolic Health by Physical Activity in the Coronary Artery Risk Development in Young Adults (CARDIA) Study**

Melissa A Jones, Oakland Univ, Oakland, MI; Bethany Barone Gibbs, West Virginia Univ, Morgantown, WV; Kelley Pettee Gabriel, UAB Sch of Public Health, Birmingham, AL; Kiarri N Kershaw, NORTHWESTERN UNIVERSITY, Chicago, IL; Lisa M VanWiel, Univ of Iowa, Solon, IA; Tiwaloluwa Ajibewa, Northwestern Univ, Chicago, IL; Raymond Jones, Univ of Alabama at Birmingham, Birmingham, AL; David R Jacobs Jr., Univ of Minnesota, Minnetonka, MN; Kara M Whitaker, UNIVERSITY OF IOWA, Iowa City, IA

P01.04 Childhood and Youth

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Mental Health Differences by Vaping Behavior Observed Among Youth and Young Adults

Jeffrey Willett, American Heart Association, Overland Park, KS; **Allison Groom**, Robyn L Landry, Angel Bassett, American Heart Association, Dallas, TX; Joy Hart, Kandi Walker, Univ of Louisville, Louisville, KY; Thomas Payne, American Heart Association, Memorial Sloan Kettering Cancer Ctr and Memorial Hosp, Univ of Mississippi Medical Ctr, Painted Post, NY; Anshula Kesh, American Heart Association, Dallas, TX; Rose Marie Robertson, American Heart Association, Nashville, TN

P125 **Patterns in Timing of Energy Intake and the Impact on Fat Mass in Adolescents**

Jessica Decker, Babette Zemel, Jonathan Mitchell, Children's Hosp of Philadelphia, Philadelphia, PA

P126 **Sociodemographic Predictors of Diet Quality During Adolescence**

Jessica Decker, Babette Zemel, Jonathan Mitchell, Children's Hosp of Philadelphia, Philadelphia, PA

P127 **Early Life Adversity and Obesity Risk in Adolescence: A 9-year Population-Based Prospective Cohort Study**

Hannah Steinman De Visser, Nicole Brunton, Brenden Dufault,

Jonathan M McGavock, Univ of Manitoba, Winnipeg, MB, Canada

P128 **Predicting BMI Percentile in Hispanic/Latino Youth Using a Machine Learning Approach: Findings From the Hispanic Community Children's Health Study/Study of Latino Youth**

Madison N LeCroy, NYU Grossman Sch of Med, New York, NY; Ryung S. Kim, David B. Hanna, Albert Einstein Coll of Med, Bronx, NY; Krista M. Perreira, Univ of North Carolina Sch of Med, Chapel Hill, NC; Linda C. Gallo, San Diego State Univ, Chula Vista, CA; Maria M. Llabre, Univ of Miami, Coral Gables, FL; Linda Van Horn, Northwestern Univ Feinberg Sch of Med, Chicago, IL; Martha L Daviglius, Univ of Illinois Chicago, Chicago, IL; Gregory A Talavera, San Diego State Univ, Chula Vista, CA; Daniela Sotres-Alvarez, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Carmen R. Isasi, Albert Einstein Coll of Med, Bronx, NY

- P129 **Age at Menarche Associated With Cardiovascular Disease Risk Factors and History Among African American Women: The Jackson Heart Study**
Katelyn Jackson, Benjamin Walker, Univ of Mississippi Medical Ctr, Jackson, MS; Elizabeth Heitman, UT Southwestern Medical Ctr, Dallas, TX; Nelson Atehortua De la Peña, Mississippi State Dept of Health, Jackson, MS; Jennifer Reneker, Univ of Mississippi Medical Ctr, Jackson, MS
- P130 **CVD Risk Factors Among Young People in Haiti: Implications for Low-Income Countries**
Lindsey K Reif, Shalom Sabwa, Weill Cornell Med, New York, NY; Vanessa Rouzier, GHESKIO, Port-au-Prince, Haiti; Michelle Nour Mourra, Lily D Yan, Weill Cornell Med, New York, NY; Rodney Sufra, Jean William Pape, GHESKIO, Port-au-Prince, Haiti; Daniel Fitzgerald, Monika M Safford, Margaret Mcnairy, Weill Cornell Med, New York, NY
- P132 **Application of Life's Essential 8 to Assess the Status of Cardiovascular Health Among 4-to-6-year-old Children in the Healthy Start Study**
Wei Perng, Colorado Sch of Public Health, Aurora, CO; Izzuddin Aris, Harvard Medical Sch, Boston, MA; Katherine Sauder, Sch of Med, Univ of Colorado Anschutz Medical Campus, Aurora, CO; Dana Dabelea, Colorado Sch of Public Health, Aurora, CO
- P133 **Deficient Screening for Cardiometabolic Risk Factors in a Central Appalachian Health System**
Lee A Pyles, Christa Lilly, WEST VIRGINIA UNIVERSITY, Morgantown, WV; Paige Poffenberger, West Virginia Univ, Morgantown, WV; Rachel Kohler, William H Burton, Lesley A Cottrell, Eloise Elliott, WEST VIRGINIA UNIVERSITY, Morgantown, WV
- P134 **Dietary Intake and Vascular Function and Myocardial Structure in Canadian Youth With and Without Type 1 Diabetes: The Cardea Study**
Soren Harnois-Leblanc, Univ de Montréal, Montréal, QC, Canada; Vicky Drapeau, Univ Laval, Québec City, QC, Canada; Andraea Van Hulst, Tracie A Barnett, Vanessa McNealis, Matthias Friedrich, McGill Univ, Montréal, QC, Canada; Jean-Luc Bigras, Anne Monique Nuyt, Univ de Montréal, Montréal, QC, Canada; Andrea Benedetti, McGill Univ, Montréal, QC, Canada; Marie-Ève Mathieu, Melanie Henderson, Univ de Montréal, Montréal, QC, Canada
- P135 **Travel Time to Specialty Care and Risk of Death for Children With CHD**
Devin Parker, Meagan Stabler, Callie Young, Dartmouth Coll, Lebanon, NH; Meghan Zimmerman, Dartmouth Hitchcock, Lebanon, NH; Todd Mackenzie, Dartmouth Coll, Lebanon, NH; Xun Shi, Dartmouth Coll, Hanover, NH; Jeremiah R Brown, Dartmouth Coll, Lebanon, NH

P01.05 Arrhythmia | Sudden Death

- P137 **Dietary Omega-3 Fatty Acid Consumption and the Incidence of Atrial Fibrillation in the Million Veteran Program**
Eric T Guardino, VA Boston Healthcare System, Massachusetts Veterans Epidemiology Res and Information Ctr (MAVERIC), Div of Aging, Brigham & Women's Hosp and Harvard Medical Sch, Boston, MA; Yanping Li, Xuan-Mai T Nguyen, VA Boston Healthcare System, Massachusetts Veterans Epidemiology Res and Information Ctr (MAVERIC), Boston, MA; Peter W.F. Wilson, Atlanta VA Healthcare System, Emory Clinical Cardiology Res Inst, Decatur, GA; J. Michael Gaziano, Div of Aging, Brigham & Women's Hosp and Harvard Medical Sch, Boston, MA; Kelly Cho, VA Boston Healthcare System-MAVERIC, Boston, MA; Emelia J Benjamin, Dept of Med, Boston Univ Sch of Med/Boston Medical Ctr, Boston, MA; Luc Djoussé on behalf of the VA Million Veteran Program, Div of Aging, Brigham & Women's Hosp and Harvard Medical Sch, Dept of Nutrition, Harvard T. H. Chan Sch of Public Health, Boston, MA

P01.06 Clinical Trials and Intervention Studies

- P139 **Behavioral Weight Loss Programs for Cancer Survivors: A Non-Randomized Clinical Trial**
Hsin-Chieh Yeh, Johns Hopkins Univ, Baltimore, MD; Gerald J Jerome, TOWSON UNIVERSITY, Towson, MD; Nae-Yuh Wang, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Arlene Dalcin, Johns Hopkins Univ, Ashland, OR; Linda Bunyard, Nowella Durkin, Johns Hopkins Univ, Baltimore, MD; Jeanne Charleston, Johns Hopkins Univ ProHealth, Baltimore, MD; Norma Kanarek, Michael Carducci, Johns Hopkins Univ, Baltimore, MD; Lawrence J Appel, JOHNS HOPKINS UNIVERSITY, Baltimore, MD
- P140 **Potential Mediators for Cardiovascular Benefits of Novel Diabetes Medications: A Meta-Regression Analysis**
Jose M. Rodriguez Valadez, Malak Tahsin, Icahn Sch of Med at MtSinai, NYC, NY; Umesh Masharani, UCSF, San Francisco, CA; Meyeon Park, DIVISION OF NEPHROLOGY, San Francisco, CA; M.G. Myriam Hunink, Erasmus MC, Rotterdam, Netherlands; Joseph Yeboah, WAKE FOREST UNIVERSITY, Winston Salem, NC; Lihua Li, Ellerie Weber, Icahn Sch of Med at MtSinai, NYC, NY; Yan Li, Icahn Sch of Med at MtSinai, New York, NY; Asem Berkalieva, Icahn Sch of Med at MtSinai, NYC, NY; Luuk Avezaat, Erasmus MC, Rotterdam, Netherlands; Wendy Max, UCSF, San Francisco, CA; Kirsten E Fleischmann, UCSF MEDICAL CENTER, San Francisco, CA; Bart S Ferket, Icahn Sch of Med at MtSinai, New York, NY
- P141 **Six-Month Follow-Up of *Menopausia, Salud, Corazón* (Menopause, Health, Heart): A Multi-Component Intervention to Reduce Cardiovascular Disease Risk in Midlife Latinas**
Yamnia I Cortes, Univ of North Carolina - CH, Chapel Hill, NC; Mayra Duran, Andrea Cazales, Latesha K. K Harris, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Valentina Marginean, East Carolina Univ, Greenville, NC; Jamie Crandell, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Lee Stoner, Univ of North Carolina, Chapel Hill, NC; Cheryl Giscombe, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Krista Perreira, Univ of North Carolina Sch, Chapel Hill, NC
- P142 **Mediation of Effects of a Low-Carbohydrate Dietary Intervention on Hemoglobin A1c Through Weight: A Randomized Clinical Trial**
Kirsten S. Dorans, Lydia A Bazzano, Lu Qi, Hua He, Chung-shiuan Chen, Katherine T Mills, Bernadette Nguyen, Tulane Univ, New Orleans, LA; Matthew O'Brien, Northwestern Feinberg Sch of Med, Chicago, IL; Gabriel I. Uwaifo, Ochsner Medical Ctr, New Orleans, LA; Jiang He, Tulane Univ, New Orleans, LA
- P143 **Differences Between Industry and Non-Industry Sponsorship on Black Participation in Anti-Hypertensive Drug Clinical Trials Registered to Clinicaltrials.gov**
Michael D Green, Duke Univ Sch of Med, Durham, NC; Mahalia R. Dalmage, Pritzker Sch of Med, Chicago, IL; Jay B. Lusk, Duke Univ Sch of Med, Durham, NC; Emilie F. Kadhim, Dalla Lana Sch of Public Health, Univ of Toronto, Toronto, ON; Lesley A. Skalla, Emily C. O'Brien, Duke Univ Sch of Med, Durham, NC
- P145 **The Effect of Exercise Level on Weight Maintenance and Cardiometabolic Risk Factors After Clinically Significant Weight Loss: Results From the Prevail-p Study**
Damon L Swift, Univ of Virginia, Charlottesville, VA; Joshua McGee, East Carolina Univ, Greenville, NC; Emily Grammer, Univ of Virginia, Charlottesville, VA; Anna Huff, East Carolina Univ, Greenville, NC; Nicole Gniewek, ECU, Greenville, NC; Covey Clunan, East Carolina University, Winterville, NC; Briceida Osborne, Vidant Wellness Ctr, Greenville, NC; Corby Martin, Pennington Biomedical Res Ctr, Baton Rouge, LA; Robbie Beyl, Pennington Biomedical Res Cent, Baton Rouge, LA; Robert Carels, Walter Pories, Joseph A Houmard, East Carolina Univ, Greenville, NC; Laura Matarese, Brody Sch of Med, Greenville, NC
- P146 **The Effects of Lifestyle Interventions on Blood Pressure in Postpartum Women: A Systematic Review**
Mara Eve Murray Horwitz, Boston Univ, Cambridge, MA; Grayce Sarah Bredy, Boston Medical Ctr, Boston, MA; Alaina Tabani, Boston Univ, Boston, MA
- P147 **A Community-Based, Heart-Healthy Lifestyle-Promoting Program Using Hybrid Behavioral Strategies: Study Protocol of a Three-Group Randomized Controlled Trial**
Jina Choo, Songwhi Noh, Yura Shin, Korea Univ, Seoul, Korea, Republic of

P01.07 Health Equity and Social Justice

- P148 **Perceived Religious Influence on Health is Associated With Beneficial Cardiovascular Health Behaviors Within Predominantly Black Churches in New Orleans, Louisiana**
Farah Allouch, Katherine T Mills, Jodie Laurent, Flor Alvarado, Jeanette Gustat, Hua He, Jiang He, Tulane Univ, New Orleans, LA
- P149 **Police Contact in Adolescence and Healthy Lifestyle Patterns During the Transition to Adulthood: A Longitudinal Study**
Farah Qureshi, Dylan B Jackson, Johns Hopkins Univ, Baltimore, MD
- P150 **Residential Segregation and Hypertension Risk in Black and White Americans**
Debora Kamin Mukaz, Univ of Vermont, Colchester, VT; Andrew Sparks, Univ of Vermont, Burlington, VT; Timothy B Plante, Univ of Vermont, Colchester, VT; Suzanne E Judd, George Howard, Virginia J Howard, Univ of Alabama at Birmingham, Birmingham, AL; April P Carson, Univ of Mississippi Medical Ctr, Jackson, MS; Lorraine Dean, Geoff Dougherty, Johns Hopkins Univ, Baltimore, MD; Mary Cushman, Univ of Vermont, Colchester, VT

P01.08 Diabetes 1

- P151 **Late-Life Prediabetes, Diabetes, and Diabetes Duration With Risks of Frailty and Mortality: The Atherosclerosis Risk in Communities (ARIC) Study**
Mary R Rooney, Johns Hopkins Univ, Baltimore, MD; B Gwen Windham, UMMC, The MIND Ctr, Jackson, MS; Priya Palta, Columbia Univ Medical Ctr, New York, NY; Justin B Echouffo Tcheugui, Johns Hopkins Hosp, Baltimore, MD; Laura Skow, Johns Hopkins Univ, Baltimore, MD; Elizabeth Selvin, JOHNS HOPKINS UNIVERSITY, Baltimore, MD
- P152 **Joint Association of Sugar- and Artificially-Sweetened Beverage Consumption and Physical Activity and Risk of Type 2 Diabetes in US Adults**
Lorena S Pacheco, Harvard Sch of Public Health, Boston, MA; Deirdre K Tobias, Brigham and Womens and Harvard Med, Boston, MA; Yanping Li, Harvard T.H. Chan Sch of Public Health, Boston, MA; Shilpa N Bhupathiraju, HARVARD MEDICAL SCHOOL, Boston, MA; Walter Willett, Harvard T.H. Chan Sch of Public Health, Boston, MA; David S. Ludwig, Children's Hosp Boston Endocrinology, Boston, MA; Cara B. Ebbeling, Boston Children's Hosp, Boston, MA; Danielle Haslam, Brigham and Women's Hosp, Canton, MA; Jean-Philippe Drouin-chartier, Laval Univ, Quebec, QC, Canada; Frank B Hu, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA; Marta Guasch, Harvard T.H. Chan Sch of Public Health, Boston, MA
- P153 **Intensive Lifestyle Intervention in Type 2 Diabetes Mellitus Results in a More Favorable Sex Hormone Profile in Both Post-Menopausal Females and Older Males (The Look AHEAD Trial Sex Hormone Study)**
Vidya Chandran, Johns Hopkins Univ, Baltimore, MD; Wendy Bennett, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Erin D Michos, Johns Hopkins Univ, Clarksville, MD; Rita R Kalyani, Johns Hopkins Hosp, Baltimore, MD; Jeanne Clark, Johns Hopkins Med, Baltimore, MD; Mark Woodward, Univ of Oxford, Sydney, Australia; Jiajun Wu, Johns Hopkins Univ, Baltimore, MD; Allen D Everett, John Hopkins Univ, Glenwood, MD; Jun Yang, JOHNS HOPKINS HOSPITAL, Baltimore, MD; Jie Zhu, David Graham, Susan Aja, Johns Hopkins Univ, Baltimore, MD; Greg Ellis, All Childrens Hosp, St Petersburg, FL; Dhananjay Vaidya, JOHNS HOPKINS UNIVERSITY, Baltimore, MD
- P154 **Diabetes Risk Factor Control and Infection Risk in Older Adults: The ARIC Study**
Caroline Wang, Johns Hopkins Univ, Baltimore, MD, MD; Junichi Ishigami, Johns Hopkins Univ, Baltimore, MD; Pamela L Lutsey, UNIVERSITY OF MINNESOTA, Minneapolis, MN; Justin B Echouffo Tcheugui,

Johns Hopkins Hosp, Baltimore, MD; Michael Fang, Johns Hopkins Univ, Baltimore, MD; Elizabeth Selvin, JOHNS HOPKINS UNIVERSITY, Baltimore, MD

- P155 **Modifiable Lifestyle Factors, Genetic Risk, and Incident Peripheral Artery Disease Among Individuals With Type 2 Diabetes: A Prospective Study**
Frank Qian, BI Deaconess Medical Ctr, Boston, MA; Kai Zhu, Qi Lu, Rui Liu, Zixin Qiu, Lin Li, An Pan, Gang Liu, Huazhong Univ of Science and Technology, Wuhan, China
- P156 **Use of Continuous Glucose Monitoring for Risk-Stratification in Older Adults With Diabetes: The Atherosclerosis Risk in Communities (ARIC) Study**
Michael Fang, Yein Jeon, Johns Hopkins Univ, Baltimore, MD; Justin B Echouffo Tcheugui, Johns Hopkins Hosp, Baltimore, MD; Jung-Im Shin, Johns Hopkins Univ, Baltimore, MD; Josef Coresh, JOHNS HOPKINS SPH WELCH CENTER, Baltimore, MD; Elizabeth Selvin, JOHNS HOPKINS UNIVERSITY, Baltimore, MD
- P157 **Genetically Determine Gut Microbiome Abundance, Obese, and Incident Type 2 Diabetes**
Rui Tang, Minghao Kou, Xiang Li, Xuan Wang, Hao Ma, Tulane Univ, New Orleans, LA; Zhaoxia Liang, Zhejiang Univ, Zhejiang, China; Yoriko Heianza, Lu Qi, Tulane Univ, New Orleans, LA
- P158 **Intake of Chocolate by Subtypes and Risk of Type 2 Diabetes: Results From Three Prospective Cohort Studies**
Binkai Liu, Harvard T.H. Chan Sch of Public Health, Boston, MA; Lu Zhu, Harvard T.H. Chan Sch of Public Health, Boston, MA; Yang Hu, HSPH, Newton, MA; Joann E Manson, Brigham and Women's Hosp, Boston, MA; Qi Sun, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA
- P159 **Increased Prevalence of Type 1 Diabetes Genetic Risk in Younger Veterans - Disproportionately Female and Predominantly With Minority Ancestry - Is Often Unrecognized: A Health Disparity**
Peter K Yang, UNC Chapel Hill, Chapel Hill, NC; Brian Charest, VA BOSTON HEALTHCARE SYSTEM, Boston, MA; Yan Sun, Emory Univ, Atlanta, GA; Sridharan Raghavan, Rocky Mountain VA MEDICAL CENTER, Aurora, CO; Elizabeth M Litkowski, Dept of Med, Univ of Colorado Anschutz Medical Campus, Aurora, CO; Brian Legvold, Emory Univ Sch of Med, Atlanta, GA; MARY RHEE, Atlanta VA Medical Ctr, Johns Creek, GA; Marijana Vujkovic, Univ of Pennsylvania, Philadelphia, PA; Peter D Reaven, CARL T HAYDEN VA MEDICAL CTR, Phoenix, AZ; Kelly Cho, Massachusetts Veterans Epidemiology Res and Information Ctr, Boston, MA; Aaron Leong, Massachusetts General Hosp, Boston, MA; Lawrence Phillips, Atlanta VA Medical Ctr, Decatur, GA
- P160 **Sex-Differences in Physical Activity-Mediated Associations of Perceived Neighborhood Environments With Severity of Metabolic Syndrome Among Jackson Heart Study Participants**
Kosuke Tamura, Lauren Reid, Kelly Jones, Xiao Shi, Natl Inst on Minority Health and Health Disparities, Natl Insts of Health, Bethesda, MD; Gloria L Vega, UT SOUTHWESTERN MED CTR, Dallas, TX; Scott M Grundy, UNIV TX SOUTHWESTERN MED CTR, Dallas, TX; Mario Sims, Univ of California, Riverside, Riverside, CA; Shannon Zenk, Natl Inst of Nursing Res, Bethesda, MD; Tiffany M Powell-Wiley, NATIONAL INSTITUTES OF HEALTH, Silver Spring, MD
- P161 **Medicaid Expansion Impact on Diabetes Emergency Department Visits and Hospitalization in Kentucky From 2011-2018**
Ning Li, Univ of Kentucky, Lexington, KY; Mary Elizabeth L Leigh, Joseph Benitez, UK Coll of Public Health, Lexington, KY
- P162 **Sex Differences in Cardiometabolic Biomarkers During Pre-Diabetes**
Yilin Yoshida, Tulane Sch of Med, Metairie, LA; Zhipeng Chen, Tulane Sch of Med, New Orleans, LA; Changwei Li, Tulane Univ, New Orleans, LA; Franck Mauvais-Jarvis, Tulane Sch of Med, New Orleans, LA

P01.09 Dissemination/Implementation

- P163 **Lessons Learned From the Implementation of a Produce Prescriptions Pre-Randomized Clinical Trial in an Integrated Health Care System**
Ariadna Padilla, Kaiser Permanente Southern California, Pasadena, CA; Dariush Mozaffarian, Tufts Univ, Boston, MA; Jason H Wu, Univ of New South Wales, Newtown, Australia; Ceping Chao, Kaiser Permanente, Oakland, CA; Casey Nelson, Kaiser Permanente Southern California, Pasadena, CA; Pamela Schwartz, Kaiser Permanente, Oakland, CA; Claudia Nau, Kaiser Permanente Southern California, Pasadena, CA
- P164 **Using Mixed Methods to Assess Community Based Participatory Research Implementation: Assessment of a Walking-Based Health Intervention Program**
Lindsay Spitz, Jennifer J Salinas, Roy Valenzuela, Texas Tech Univ Health Sciences Ctr El Paso, El Paso, TX
- P165 **Key Tenets for Lifestyle Programs Aiming to Improve Hypertension Control and Cardiovascular Health**
Amena Abbas, Julia Jordan, Rachel Davis, Shaquira Robinson, Cagney Morns, CDC, Atlanta, GA

P01.10 Environmental Exposures

- P166 **First Trimester Plasma Per- and Polyfluoroalkyl Substance (PFAS) Concentrations and Blood Pressure Trajectories Throughout the Second and Third Trimesters of Pregnancy**
Jordan Arvayo, Briana J Stephenson, Harvard T.H. Chan Sch of Public Health, Boston, MA; Izzuddin Aris, Harvard Medical Sch, Boston, MA; Emma V Preston, Harvard T.H. Chan Sch of Public Health, Boston, MA; Marie-France Hivert, Harvard Medical Sch, Boston, MA; Emily Oken, HPHC Inst, Boston, MA; Sheryl L Rifas-Shiman, Harvard Medical Sch and HPHCI Inst, Boston, MA; Ami Zota, Mailman Sch of Public Health, Columbia Univ, New York, NY; Tamarra James-Todd, Harvard T.H. Chan Sch of Public Health, Boston, MA
- P167 **Residential Exposure to Greenness and Mortality Following Percutaneous Coronary Intervention**
Saar Ashri, Gali Cohen, Lihi Golan, Tel-Aviv Univ, Tel-Aviv, Israel; David Broday, Technion Israel Inst of Technology, Haifa, Israel; David M Steinberg, Tel-Aviv Univ, Tel-Aviv, Israel; Rakefet Shafran-Nathan, Technion Israel Inst of Technology, Haifa, Israel; Guy Witberg, Rabin Medical Ctr, Petach Tikva, Israel; Tamir Bentel, Rabin Medical Ctr (Beilinson and Hasharon Hosp), Petach Tikva, Israel; Lital Keinan-Boker, Israel Ctr for Disease Control, Ramat Gan, Israel; Mika Moran, Univ of Haifa, Haifa, Israel; Ran Kornowski, Rabin Medical Ctr, Israel, Petach Tikva, Israel; Yariv Gerber, TEL AVIV UNIVERSITY, Tel Aviv, Israel
- P168 **Early Life Metal Profiles and Kidney Function in Mid-Adolescence: A Preliminary Study in Project Viva**
Pi-i D Lin, Dept of Population Med, Harvard Pilgrim Health Care Inst and Harvard Medical Sch, Boston, MA; Andres Cardenas, Dept of Epidemiology and Population Health, Stanford Univ, Stanford, CA; Sheryl L Rifas-Shiman, Dept of Population Med, Harvard Pilgrim Health Care Inst and Harvard Medical Sch, Boston, MA; Ami R Zota, Dept of Environmental Health Sciences, Columbia Univ Mailman Sch of Public Health, New York, NY; Marie-France Hivert, HARVARD MEDICAL SCHOOL, Boston, MA; Emily Oken, **Izzuddin M Aris**, Alison P Sanders, Dept of Population Med, Harvard Pilgrim Health Care Inst and Harvard Medical Sch, Boston, MA
- P169 **Prenatal Per- and Polyfluoroalkyl Substance (PFAS) Exposures and Offspring Blood Pressure From Birth to Late Adolescence: A Prospective Study in Project Viva**
Mingyu Zhang, Sheryl L Rifas-Shiman, Izzuddin Aris, Harvard Medical Sch and Harvard Pilgrim Health Care Inst, Boston, MA; Tamarra James-Todd, Harvard T.H. Chan Sch of Public Health, Boston, MA; Emily Oken, Marie-France Hivert, Harvard Medical Sch and Harvard Pilgrim Health Care Inst, Boston, MA

- P170 **The Association of Urinary Cadmium and Zinc With Lower Extremity Amputations. Evidence From the Strong Heart Study**
Marta Galvez-Fernandez, Kishan A. Bhatt, Filippo Ravalli, Columbia Univ Mailman Sch of Public Health, New York, NY; Walter Goessler, Univ of Graz, Graz, Austria; Ying Zhang, The Univ of Oklahoma Health Sciences Ctr, Oklahoma City, OK; Amanda M Fretts, Univ of Washington, Seattle, WA; Jason G. Umans, MedStar Health Res Inst, Washington DC, WA; Tiffany Sanchez, Columbia Univ Mailman Sch of Public Health, New York, NY; Francisco Ujueta, Gervasio A. Lamas, Mount Sinai Medical Ctr, Hallandale Beach, FL; Richard R. Fabsitz, Missouri Breaks Industries Res Inc, Eagle Butte, SD; Ana Navas-Acien, Mailman Sch of Public Health, New York, NY
- P171 **Associations Between Metals and Allostatic Load Among Non-Hispanic Asians and Non-Hispanic Whites From the National Health and Nutrition Examination Survey: 2015-2020**
Austin Le, Rachel Morello-Frosch, Rosemarie de la Rosa, UC Berkeley Sch of Public Health, Berkeley, CA
- P172 **Per- and Polyfluoroalkyl Substances (PFASs), Apolipoprotein and the Risk of Coronary Heart Disease: A Case-Control Pilot Study**
Lu Zhu, Harvard T.H. Chan Sch, Boston, MA; Yang Hu, HSPH, Boston, MA; Molin Wang, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA; Jeremy D Furtado, HARVARD SCHOOL PUBLIC HEALTH, Boston, MA; Philippe Grandjean, Frank M Sacks, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA; Eric B Rimm, HARVARD SCHOOL PUBLIC HEALTH, Boston, MA; Qi Sun, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA

P01.11 Heart Failure 1

- P173 **Proteomic Assessment of Progressive Chronic Renal Insufficiency Risk and Mortality in a Heart Failure Community Study**
Joseph J Shearer, Natl Heart, Lung, and Blood Inst, Bethesda, MD; Christine P Limonte, Univ of Washington, Seattle, WA; Kayode O Kuku, Jungnam Joo, Natl Heart, Lung, and Blood Inst, Bethesda, MD; Nicholas B Larson, Suzette J Bielinski, Mayo Clinic, Rochester, MN; Veronique L Roger, Natl Heart, Lung, and Blood Inst, Bethesda, MD
- P174 **The Association Between Infection-Related Hospitalization and Incident Heart Failure: The Atherosclerosis Risk in Communities Study**
Rebecca L Molinsky, Univ Of Minnesota, Minneapolis, MN; Amil M Shah, Brigham and Women's Hosp, Boston, MA; Melana Yuzefpolskaya, Columbia Univ Medical Ctr, New York, NY; Bing Yu, Univ of Texas Health Science Ctr at Houston, Houston, TX; Jeffrey Misialek, Bruno Bohn, Univ of Minnesota, Minneapolis, MN; David Vock, Univ Of Minnesota, Minneapolis, MN; Richard Maclehose, Univ of Minnesota, Minneapolis, MN; Paolo C Colombo, Columbia Univ, New York, NY; Chiadi E Ndumele, Johns Hopkins Hosp, Baltimore, MD; Junichi Ishigami, Kuni Matsushita, Johns Hopkins Univ, Baltimore, MD; Pamela L Lutsey, Ryan Demmer, Univ of Minnesota, Minneapolis, MN
- P175 **Shared Medical Appointments in Heart Failure for Post-Hospitalization Follow-Up**
Tracey H Taveira, Lisa Cohen, Univ of Rhode Island, Kingston, RI; Sherry Ball, VA Northeast Ohio Health System, Cleveland, OH; Sherry K Laforest, VA Northeast Ohio Health System, Shaker Heights, OH; Julie Ann Gee, Kimberley Schaub, VA Northeast Ohio Health System, Cleveland, OH; Sandesh Dev, Univ of Arizona Coll of Med, Tucson, AZ; Melanie Parent, Univ of Rhode Island, Kingston, RI; Rene Hearn, VA Northeast Ohio Health System, Cleveland, OH; Wen-Chih H Wu, Providence VA Medical Ctr, Providence, RI
- P176 **The Association of Blood Urea Nitrogen With Incident Heart Failure in the Community: The Atherosclerosis Risk in Communities (ARIC) Study**
Hairong Liu, JOHNS HOPKINS UNIVERSITY BLOOMBERG SCHOOL OF PUBLIC HEALTH, Baltimore, MD; Junichi Ishigami, Johns Hopkins Univ, Baltimore, MD; Lena Molly Mathews, JHONS

HOPKINS UNIVERSITY, Baltimore, MD; Suma H Konety, UNIVERSITY MINNESOTA, Minneapolis, MN; Michael E Hall, UNIV OF MISSISSIPPI MEDICAL CENTER, Jackson, MS; Patricia Chang, Univ of North Carolina, Chapel Hill, NC; Chiadi E Ndumele, JOHNS HOPKINS HOSPITAL, Baltimore, MD; Wayne D Rosamond, Univ of North Carolina, Chapel Hill, NC; Kunihiro Matsushita, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD

- P177 **Circulating Ketone Bodies and Mortality in Heart Failure: A Community Cohort Study**
Rebecca Oyetoro, Katie Conners, Heart Disease Phenomics Lab, Epidemiology and Community Health Branch, Natl Heart, Lung, and Blood Inst, Natl Insts of Health, Bethesda, MD; Jungnam Joo, Office of Biostatistics Res, Natl Heart, Lung, and Blood Inst, Natl Insts of Health, Bethesda, MD; Sarah Turecamo, Heart Disease Phenomics Lab, Epidemiology and Community Health Branch, Natl Heart, Lung, and Blood Inst, Natl Insts of Health, Bethesda, MD; Maureen Sampson, Dept of Lab Med, Clinical Ctr, Natl Insts of Health, Bethesda, MD; Anna Wolska, Alan T. Remaley, Lipoprotein Metabolism Lab, Translational Vascular Med Branch, Natl Heart, Lung, and Blood Inst, Natl Insts of Health, Bethesda, MD; Margery A Connelly, James D. Otvos, NMR Diagnostics, Labcorp, Morrisville, NC; Nicholas B. Larson, Div of Clinical Trials and Biostatistics, Dept of Quantitative Health Sciences, Mayo Clinic Coll of Med and Science, Rochester, MN; Suzette J. Bielinski, Dept of Quantitative Health Sciences, Mayo Clinic, Rochester, MN; Joseph J. Shearer, Véronique L. Roger, Heart Disease Phenomics Lab, Epidemiology and Community Health Branch, Natl Heart, Lung, and Blood Inst, Natl Insts of Health, Bethesda, MD
- P178 **Incremental Value of Charlson Comorbidity Index Over Disease-Centric Score in Heart Failure**
Kayode O Kuku, Katie Conners, Joe Shearer, NHLBI, Bethesda, MD; Jungnam Joo, NHLBI, Rockville, MD; Suzette J Bielinski, Nicholas B Larson, MAYO CLINIC, Rochester, MN; Veronique L Roger, NIH, Bethesda, MD
- P179 **Development and Implementation of a Large, Multi-Center Survey of Patients With Heart Failure**
Alanna M Chamberlain, MAYO CLINIC, Rochester, MN; Erinn M. Hade, NYU Langone Health, New York, NY; Irina V. Haller, Essentia Health, Duluth, MN; Benjamin D Horne, Intermountain Heart Inst; Stanford, Salt Lake City, UT; Catherine P. Benziger, Essentia Health, Duluth, MN; Jill M. Killian, Susan A. Weston, Mayo Clinic, Rochester, MN; Sheila M Manemann, MAYO CLINIC, Rochester, MN; Veronique L Roger, NIH, Bethesda, MD
- P180 **Disparities in Occurrence of Stroke Among Heart Failure Patients- A Case Control Study Evaluating Impact of Community Socioeconomic Distress Index**
Brian Witrick, West Virginia Clinical and Translational Science Inst, Morgantown, WV; Frank Annie, CAMC Health Education and Res, Charleston, WV; Wes Kimble, West Virginia Clinical and Translational Science Inst, Morgantown, WV; George Sokos, Christopher Bianco, West Virginia Univ, Morgantown, WV; Sarah Rinehart, CAMC Inst for Academic Med, Charleston, WV; Timothy Dotson, West Virginia Clinical and Translational Science Inst, Morgantown, WV; Brian Hendricks, West Virginia Univ, Morgantown, WV
- P181 **Impact of Blood Pressure on Longitudinal Patterns of Pre-Heart Failure in a Hispanic/Latino Population-Based Cohort: Results From the Echocardiographic Study of Latinos (ECHO SOL)**
Priscilla Duran Luciano, Albert Einstein Coll of Med, Bronx, NY; Ayana K April-Sanders, Rutgers Sch of Public Health, Piscataway, NJ; Un Jung Lee, Albert Einstein Coll of Med, Bronx, NY; Jennifer McLeod, Columbia Univ, New York, NY; Robert Kaplan, Albert Einstein Coll of Med, Bronx, NY; Barry E Hurwitz, Univ of Miami, Miami, FL; Katrina Swett, Albert Einstein Coll of Med, Bronx, NY; Martha L Daviglius, Univ of Illinois at Chicago, Chicago, IL; Martin Bilsker, Univ of Miami, Miami, FL; Daniela Sotres-Alvarez, UNC Chapel Hill, Chapel Hill, NC; Sonia Ponce, Univ of New Mexico, Albuquerque, New Mexico, NM; Mayank Mohan Kansal, Univ of Illinois at Chicago, Chicago, IL; Jianwen Cai, UNC Chapel Hill, Chapel Hill, NC; Gregory A Talavera, San Diego State Univ, Chula Vista, CA; Carlos Jose Rodriguez, Albert Einstein Sch of Med, Bronx, NY

- P182 **Post-Discharge Ambulatory Care Follow-Up Among Medicaid Beneficiaries With Diabetes, Hospitalized for Heart Failure**
Yulia Khodneva, UAB, Birmingham, AL; Suzanne Oparil, UNIVERSITY OF ALABAMA AT BIRMINGHAM, Birmingham, AL; Emily B Levitan, UNIVERSITY ALABAMA AT BIRMINGHAM, Birmingham, AL; Pankaj Arora, UNIVERSITY OF ALABAMA AT BIRMINGHAM, Birmingham, AL; CAROLINE PRESLEY, UAB, Birmingham, AL; Andrea Cherrington, Univ of Alabama at Birmingham, Birmingham, AL
- P183 **Systolic Dysfunction is Associated With Increased Occurrence and Worse Outcomes of Periprocedural Cardiovascular Adverse Events After Transcatheter Aortic Valve Replacement**
Dennis Kumi, John H stroger Hosp of Cook cou, Chicago, IL; Edwin Gwira-Tamattey, John H. Stroger Jr. Hosp, Chicago, IL; Ufuk Vardar, John H stroger Hosp of Cook county, Chicago, IL; Birju Patel, John H. Stroger Jr. Hosp of Co, Chicago, IL; Sadichhya Karki, John H stroger Hosp of Cook county, Chicago, IL
- P184 **Systolic Dysfunction is Associated With Increased Occurrence and Worse Outcomes of Periprocedural Cardiovascular Adverse Events After Percutaneous Transluminal Coronary Angioplasty**
Dennis D. Kumi, John H stroger Hosp of Cook cou, Chicago, IL; Edwin Gwira-Tamattey, Ufuk Vardar, Sadichhya Karki, John H stroger Hosp of Cook county, Chicago, IL; Birju Patel, John H. Stroger Jr. Hosp of Co, Chicago, IL; Ayesha Abbasi, John H stroger Hosp of Cook county, Chicago, IL
- P584 **The Impact of Multimorbidity and Functional Limitation on Mental Health and Quality of Life Among Patients With Heart Failure**
Sheila M Manemann, MAYO CLINIC, Rochester, MN; Erinn M. Hade, NYU Langone, New York, NY; Irina V. Haller, Essentia Health, Duluth, MN; Benjamin D Horne, Intermountain Heart Institue; Stanford, Salt Lake City, UT; Catherine P. Benziger, Essentia Health, Duluth, MN; Veronique L Roger, NIH, Bethesda, MD; Susan A. Weston, Jill M. Killian, Mayo Clinic, Rochester, MN; **Alanna M. Chamberlain**, MAYO CLINIC, Rochester, MN

P01.12 HIV and Other Infections

- P185 **Disparities in Cardiovascular Disease and HIV Related Mortality in the United States**
Ramzi Ibrahim, Vikram J Singh, **Soumiya Ravi**, Simar J Singh, Abdulla Alabagi, Adam Habib, Jonathan Ferng, George Khludenev, Univ of Arizona, Tucson, AZ; Mohammed Salih, The Heart Hosp Baylor Plano, Plano, TX; Justin Z Lee, Univ of Arizona, Tucson, AZ
- P186 **HIV Status, Immune Cell Subsets and Type of Incident Heart Failure**
Samuel Mensah, MedStar Union Memorial Hosp, Baltimore, MD; Suman Kundu, Vanderbilt Univ Medical Ctr, Nashville, TN; Chung-Chou H Chang, Universtity of Pittsburgh Sch of Public Health, Pittsburgh, PA; Margaret Doyle, UNIVERSITY OF VERMONT, Colchester, VT; Alex Werekuu, Boston Univ Sch of Public Health, Boston, MA; Alexis Kiyanda, Boston Univ, Boston, MA; Prasad Patil, Boston Univ Sch of Public Health, Boston, MA; John Koethe, Vanderbilt Univ Medical Cente, Nashville, TN; Hilary A Tindle, Vanderbilt Univ, Nashville, TN; Matthew S Freiberg, VANDERBILT UNIVERSITY, Nashville, TN; Kaku So-Armah, Boston Univ Sch of Med, Boston, MA
- P187 **Qualitative Description of Physical Activity Perceptions and Experiences in Older Adults With HIV**
Harriet Fridah, Univ of Washington Sch of Nursing, Seattle, WA; Paul F. Cook, Univ of Colorado, Denver, CO; Kristine Erlandson, Catherine Jankowski, UC Denver-AMC, Denver, CO; Vitor Oliveira, Univ of Washington Sch of Nursing, Seattle, WA; Christine Horvat Davey, Case Western Reserve Univ, Cleveland, OH; Hoai Do, Univ of Washington Sch of Nursing, Seattle, WA; Vincent Khuu, UC Denver-AMC, Denver, CO; Sarah McKiddy, Allison R Webel, Univ of Washington Sch of Nursing, Seattle, WA

P01.13 LGBTQ Health

- P188 **Diabetes Prevalence and its Risk Factors Among Veterans by Sexual Orientation**
Meredith Stevenson Duncan, Univ of Kentucky, Lexington, KY; Carl Streed Jr., Boston Univ, Boston, MA; Lauren B Beach, NUFSM, Chicago, IL; John O'Leary, Melissa Skanderson, Joseph Goulet, Veterans Affairs Connecticut Healthcare System, West Haven, CT
- P189 **Sexual Minority Status Disparities in Life's Simple 7 and Life's Essential 8 Cardiovascular Health Scores, a French Nationwide Population-Based Study**
Omar Deraz, Univ Paris Cité, INSERM, UMR-S970, Paris Cardiovascular Res Ctr, Integrative Epidemiology of cardiovascular disease (Team 4), Paris, France; Billy A Caceres, Columbia Univ Sch of Nursing, 560 West 168th Street, New York, NY; Carl G. Streed Jr, Section of General Internal Med, Boston Univ Sch of Med, Boston, Massachusetts, USA 4. Ctr for Transgender Med and Surgery, Boston Medical Ctr, Boston, Massachusetts, USA., Boston, MA; Lauren B. Beach, Dept of Medical Social Sciences, Northwestern Univ Feinberg Sch of Med, Chicago, Illinois, USA., Chicago, IL; Xavier Jouven, Univ Paris Cité, INSERM, UMR-S970, Paris Cardiovascular Res Ctr, Integrative Epidemiology of cardiovascular disease (Team 4), Paris, France; Mathilde Touvier, Sorbonne Paris Nord Univ, INSERM U1153, INRAE U1125, CNAM, Nutritional Epidemiology Res Team (EREN), Epidemiology and Statistics Res Ctr, Univ of Paris (CRESS), Bobigny, France; Marcel Goldberg, Marie Zins, Univ Paris Cité, "Population-based Cohorts Unit", INSERM, Paris Saclay Univ, UVSQ", UMS 011, Villejuif, France; Jean-Philippe Empana, Univ Paris Cité, INSERM, UMR-S970, Paris Cardiovascular Res Ctr, Integrative Epidemiology of cardiovascular disease (Team 4), Paris, France
- P190 **Social Determinants of Cardiovascular Health in Sexual Minority Adults: A Systematic Review**
Yashika Sharma, Columbia Univ, New York, NY; Danny Doan, Columbia Univ, Westminster, CA; Tonda L Hughes, Columbia Univ, New York, NY; Billy A Caceres, Columbia Univ, Forest Hills, NY
- P192 **Assessment of Medical Trainee Identification of Cardiovascular Disease Risk Factors in the LGBTQ Community: A Quality Improvement Initiative**
Kisha L Burgess, Morehouse Sch of Med, Internal Med, Atlanta, GA; Adeyinka Adeniyi, Christabel Nyange, Morehouse Sch of Med, Div of Cardiology, Dept of Internal Med, Atlanta, GA; Akshay Chandora, Morehouse Sch of Med, Atlanta, GA; Hee Lee, Medical Coll of Georgia at Augusta Univ, August, GA; Yuna Seo, Philadelphia Coll of Osteopathic Med, Suwanee, GA; Christine Charaf, Morehouse Sch of Med, Internal Med, Atlanta, GA; Eric Y Chang, Morehouse Sch of Med, Div of Cardiology, Dept of Internal Med, Atlanta, GA
- P193 **Sexual Minority Men of Color With HIV Suggest a Virtual Environment May Be Promising to Support Cardiovascular Health: Findings From an Intervention Mapping Study**
S. Raquel Ramos, Yale Univ Sch of Nursing, Orange, CT; Maame-Owusua Boateng, Lauren Chin, Jon Andre Sabio Parrilla, Yale Univ Sch of Public Health, New Haven, CT

P01.14 Metabolomics and Proteomics

- P194 **Proteomic Profiling of Pulmonary Function Decline and Cardiovascular Disease Risk in the Atherosclerosis Risk in Communities (ARIC) Study**
Yura Lee, Dept of Epidemiology, Human Genetics and Environmental Sciences, Sch of Public Health, The Univ of Texas Health Science Ctr at Houston, Houston, TX; Christine Ladd-Acosta, Dept of Epidemiology, Bloomberg Sch of Public Health, Johns Hopkins Univ, Baltimore, MD; Alanna C Morrison, Dept of Epidemiology, Human Genetics and Environmental Sciences, Sch of Public Health, The Univ of Texas Health Science Ctr at Houston, Houston, TX; Kari E North, Dept of Epidemiology and Carolina Ctr for Genome Sciences, Sch of Public Health, The Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Eric Boerwinkle, Dept of Epidemiology, Human Genetics and Environmental Sciences, Sch of Public Health, The Univ of Texas Health Science Ctr at Houston, Houston, TX; Amil M Shah, Div of Cardiovascular Med, Brigham and Women's Hosp, Boston, MA; Stephanie J London, Dept of Health and Human Services, Natl Inst of Environmental Health Sciences, Natl Insts of Health, Research Triangle Park, NC; Bing Yu, Dept of

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- P196 **Metabolomic Associations With Cardiac Function and Incident Heart Failure in Multi-Ethnic Populations**
Eun Hye Moon, Taryn Alkis, Guning Liu, Dept of Epidemiology, Human Genetics, and Environmental Sciences, Sch of Public Health, The Univ of Texas Health Science Ctr at Houston, Houston, TX; Kunihiro Matsushita, Dept of Epidemiology, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Ron C Hoogeveen, Christie M Ballantyne, Dept of Med, Baylor Coll of Med, Houston, TX; Brian Claggett, Cardiovascular Div, Brigham and Women's Hosp, Boston, MA; Qibin Qi, Robert C Kaplan, Dept of Epidemiology and Population Health, Albert Einstein Coll of Med, Bronx, NY; Carlos J Rodriguez, Depts of Med, Epidemiology and Population Health, Albert Einstein Coll of Med, Bronx, NY; Amil M Shah, Cardiovascular Div, Brigham and Women's Hosp, Boston, MA; Bing Yu, Dept of Epidemiology, Human Genetics, and Environmental Sciences, Sch of Public Health, The Univ of Texas Health Science Ctr at Houston, Houston, TX
- P197 **HbA1c Partially Mediates the Effect of Tyrosine and Phenylalanine on Incident Myocardial Infarction**
Sarah H Koenigsberg, Mariaelisa Graff, Anna F Ballou, Carolina G Downie, Annie Green Howard, Moa P Lee, Kari E North, Laura M Raffield, Rina Yarosh, Penny Gordon-Larsen, Christy L Avery, Gillings Sch of Global Public Health, Chapel Hill, NC
- P198 **Associations Between Plasma Proteome and Leukocyte Mitochondrial DNA Copy Number: The Atherosclerosis Risk in Communities Study (ARIC)**
Ethan Moser, Brian T Steffen, Univ of Minnesota, Minneapolis, MN; Jiaqi Xie, John Hopkins Univ, Baltimore, MD; Nathan Pankratz, John Lane, Univ of Minnesota, Minneapolis, MN; Dan E Arking, Johns Hopkins Univ, Baltimore, MD; Thomas Mosley Jr., UNIV MS MEDICAL CTR, Jackson, MS; Weihua Guan, Sanaz Sedaghat, Jim S Pankow, Pamela L Lutsey, Weihong Tang, Univ of Minnesota, Minneapolis, MN
- P199 **Proteomic Markers of Aortic Stenosis: The Atherosclerosis Risk in Communities Study**
Khaled Shelbaya, Victoria Arthur, Leo Buckley, Brian Claggett, Hicham Skali, Brigham and Women's Hosp, Boston, MA; Christie M Ballantyne, Baylor Coll of Med, Houston, TX; Josef Coresh, Kuni Matsushita, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Bing Yu, Univ of Texas Health Science Sch of Public Health, Houston, TX; Amil M Shah, Brigham and Women's Hosp, Boston, MA
- P200 **Cumulative Circulating Branched Chain Amino Acid Exposure in Young Adulthood and Incident Atherosclerotic Cardiovascular Disease (ASCVD) in Later Life: The CARDIA Study**
Konrad T Sawicki, Northwestern Univ, Chicago, IL; Hongyan Ning, NORTHWESTERN UNIVERSITY, Chicago, IL; Keenan Fine, Northwestern Univ, Chicago, IL; James D Otvos, Lipo Science Inc, Burlington, NC; Mercedes R Carnethon, NORTHWESTERN UNIVERSITY, Chicago, IL; Ravi V Shah, Vanderbilt Univ, Nashville, TN; Venkatesh L Murthy, Univ of Michigan, Ann Arbor, MI; John T Wilkins, NORTHWESTERN UNIVERSITY, Chicago, IL
- P201 **Plasma Proteomic Signatures of Angptl3/8 and 4/8 Before and After Exercise Training**
Sebastian Miranda-Maravi, Univ of South Carolina, Columbia, SC; William G Hoffman, Univ of South Carolina Sch of Med, Columbia, SC; Prasun K Dev, Univ of South Carolina, Columbia, SC; Jacob L Barber, Beth Israel Deaconess Medical Ctr, Boston, MA; Charles S Schwartz, William A Clarkson, Univ of South Carolina, Columbia, SC; Jeremy M Robbins, Prashant Rao, Michael Mi, Beth Israel Deaconess Medical Ctr, Boston, MA; Sujoy Ghosh, Duke NUS Medical Sch, Singapore, Singapore; Clary Clish, Broad Inst of MIT and Harvard, Cambridge, MA; Gunther Silbernagel, Medical Univ of Graz, Graz, Austria; Yan Q Chen, Robert J Konrad, Eli Lilly and Company, Indianapolis, IN; Claude Bouchard, Pennington Biomedical Res Ctr, Baton Rouge, LA; Robert E Gerszten, Beth Israel Deaconess Medical Ctr, Boston, MA; **Mark A Sarzynski**, Univ of South Carolina, Columbia, SC

- P202 **Proteomic Markers Associated With the Risk of Incident Hypertension in the Community: The Atherosclerosis Risk in Communities (ARIC) Study**
Lena Molly Mathews, Johns Hopkins Univ, Baltimore, MD; Xiao Hu, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Frances Wang, Johns Hopkins Bloomberg Sch of Public Health, Diamond Bar, CA; Jingsha Chen, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Bing Yu, UNIV OF TX HEALTH SCI CTR HOUSTON, Houston, TX; Ron C Hoogeveen, BAYLOR COLLEGE MEDICINE, Houston, TX; Christie M Ballantyne, BAYLOR COLLEGE MEDICINE, Houston, TX; Elizabeth Selvin, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Amil M Shah, BRIGHAM AND WOMEN S HOSPITAL, Boston, MA; Chiadi E Ndumele, JOHNS HOPKINS HOSPITAL, Baltimore, MD; Josef Coresh, Kuni Matsushita, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD
- P203 **Healthy Lifestyle Plasma Metabolite Profile and Risk of Mortality in US Prospective Cohort Studies**
Anne-Julie Tessier, Fenglei Wang, Harvard TH Chan Sch of Public Health, Boston, MA; Liming Liang, Harvard Univ, Boston, MA; Clemens Wittenbecher, Harvard TH Chan Sch of Public Health, Boston, MA; Danielle E Haslam, Brigham and Women's Hosp, Canton, MA; A. Heather Eliassen, Qi Sun, Harvard TH Chan Sch of Public Health, Boston, MA; Deirdre K Tobias, Brigham and Womens and Harvard Med, Boston, MA; Jun Li, Harvard Sch of Public Health, Boston, MA; Oana Zeleznik, Brigham and Women's Hosp, Boston, MA; Alberto Ascherio, Harvard Sch of Public Health, Boston, MA; Meir J Stampfer, Channing Div of Network Med, Boston, MA; Francine Grodstein, Rush Univ, Chicago, IL; Kathryn M Rexrode, Brigham and Women's Hosp, Boston, MA; Miguel A. Martinez-Gonzalez, Univ of Navarra, Pamplona, Spain; Clary Clish, Broad Inst of MIT and Harvard, Cambridge, MA; Jorge E. Chavarro, Harvard Sch of Public Health, Boston, MA; Frank B Hu, Marta Guasch, Harvard TH Chan Sch of Public Health, Boston, MA
- P204 **Associations Between Dairy Intake and Serum Metabolites in Middle-Aged Adults in the U.S.**
Lauren Bernard, Jingsha Chen, Hyunju Kim, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Zhijie Huang, Lydia A Bazzano, Lu Qi, Jiang He, Varun Rao, Tanika N Kelly, Kaitlin Potts, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA; Kari Wong, Metabolon, Inc., Morrisville, NC; Lyn Steffen, Univ of Minnesota, Minneapolis, MN; Bing Yu, The Univ Of Texas Health Science Ctr, Houston, TX; Eugene P Rhee, Massachusetts General Hosp, Boston, MA; Casey M. Rebholz, Bloomberg Sch of Public Health, Baltimore, MD
- P205 **Association of Angptl3/8 and 4/8 With Plasma Metabolites Before and After Exercise Training**
Prasun K Dev, Sebastian Miranda-Maravi, Univ of South Carolina, Columbia, SC; William Hoffman, Univ of South Carolina Sch of Med, Columbia, SC; Jacob L Barber, Beth Israel Deaconess Medical Ctr, Boston, MA; Charles S Schwartz, William A Clarkson, Univ of South Carolina, Columbia, SC; Jeremy M Robbins, Prashant Rao, Michael Mi, Beth Israel Deaconess Medical Ctr, Boston, MA; Sujoy Ghosh, DUKE NUS MEDICAL SCHOOL, Singapore; Sujoy Ghosh, Duke NUS Medical Sch, Singapore, Singapore; Clary Clish, Broad Inst of MIT and Harvard, Cambridge, MA; Gunther Silbernagel, Medical Univ of Graz, Graz, Austria; Yan Q Chen, Robert J Konrad, Eli Lilly and Company, Indianapolis, IN; Claude Bouchard, Pennington Biomedical Res Ctr, Baton Rouge, LA; Robert E Gerszten, Beth Israel Deaconess Medical Ctr, Boston, MA; Mark A Sarzynski, Univ of South Carolina, Columbia, SC
- P206 **Later Age at Menarche is Associated With Metabolite Signatures for Cardiovascular Diseases: A Metabolome-Wide Association Study of Racially and Ethnically Diverse Women From the Boston Birth Cohort**
Noel T Mueller, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Mingyu Zhang, Harvard Medical Sch, Boston, MA; Yingan Chen, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Guoying Wang, Xiumei Hong, Xiaobin Wang, Johns Hopkins Univ, Baltimore, MD
- P207 **Heterogeneity in Obesity in Relation to Related to Hypertension: Investigating the Role of Metabolic Pathways**
Annie Green Howard, UNC, Chapel Hill, NC; Sachin Mhatre, Wei Sha, Atrium Health, Greensboro, NC; Donald Lloyd-Jones, Winnetka, IL; Blake Rushing, Susan McRitchie, UNC - NRI, Kannapolis, NC; Xiuxia

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- P208 **Metabolomic Profiles Associated With Blood Pressure Reduction in Response to the DASH and DASH-Sodium Trials**
Hyunju Kim, Johns Hopkins Univ, Baltimore, MD; Lawrence J Appel, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Alice H Lichtenstein, TUFTS UNIVERSITY, Boston, MA; Kari Wong, Metabolon, Morrisville, NC; Nilanjan Chatterjee, Johns Hopkins Univ, Baltimore, MD; Eugene Park Rhee, Massachusetts General Hosp, Boston, MA; Casey M Rebholz, JOHNS HOPKINS UNIVERSITY, Baltimore, MD

P01.15 Nutrition and Diet 1

- P209 **Late-Life Dietary Intake and Risk of All-Cause Mortality in the Atherosclerosis Risk in Communities Study (ARIC) Study**
Shutong Du, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Nikolaos Rivera, Johns Hopkins Univ, Fort Wayne, IN; Lyn Steffen, Univ of Minnesota, Minneapolis, MN; Josef Coresh, JOHNS HOPKINS SPH WELCH CENTER, Baltimore, MD; Casey M Rebholz, JOHNS HOPKINS UNIVERSITY, Baltimore, MD
- P211 **Associations of the Mediterranean and MIND Diets With Brain Volume in the Boston Puerto Rican Health Study**
Christopher Guarino, Univ of New Hampshire, Durham, NH; Yi Guan, Bang-Bon Koo, Boston Univ, Boston, MA; Rafeeqe Bhadelia, Harvard Medical Sch, Boston, MA; Tammy Scott, Tufts Univ, Medford, MA; Mahdi O Garelnabi, Univ of Massachusetts Lowell, Lowell, MA; Katherine L Tucker, UNIVERSITY OF MASSACHUSETTS LOWELL, Lowell, MA; Sherman Bigornia, Univ of New Hampshire, Durham, NH
- P212 **Plasma Metabolomics of Dietary Intake of Protein-Rich Foods and Kidney Disease Progression in Children**
Xuyuehe Ren, Jingsha Chen, Alison G. Abraham, Yunwen Xu, Aisha Siewe, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Bradley A. Warady, Univ of Missouri-Kansas City Sch of Med, Kansas City, MO; Eugene P. Rhee, Massachusetts General Hosp, Boston, MA; Susan L. Furth, The Children's Hosp of Philadelphia, Philadelphia, PA; Josef Coresh, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Michelle Denburg, The Children's Hosp of Philadelphia, Philadelphia, PA; Casey M. Rebholz, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD
- P213 **A Behavioral Economics Workplace Healthy Eating Intervention Similarly Benefits Employees With and Without Chronic Disease Risk**
Jessica Cheng, Massachusetts General Hosp & Harvard Sch of Public Health, Boston, MA; Douglas Levy, Jessica McCurley, Massachusetts General Hosp, Boston, MA; Eric B Rimm, HARVARD SCHOOL PUBLIC HEALTH, Boston, MA; Anne N Thorndike, MASSACHUSETTS GENERAL HOSPITAL, Boston, MA
- P214 **The Portfolio Dietary Pattern and Risk of Cardiovascular Disease in US Adults**
Andrea J. Glenn, Marta Guasch, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA; Vasanti Malik, Univ of Toronto, Toronto, ON, Canada; Cyril Kendall, Univ of Toronto, Toronto On, ON, Canada; Joann E Manson, Brigham and Women's Hosp, Boston, MA; Eric B Rimm, Walter Willett, Qi Sun, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA; David Jenkins, John L Sievenpiper, Univ of Toronto, Toronto, ON, Canada; Frank B Hu, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA
- P215 **Inflammatory and Insulinemic Dietary Patterns Are Associated With Modestly Increased Total and Cardiometabolic Mortality Among Low-Income Americans**

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- P216 **Carbohydrate Quantity and Quality, and Risk of Type 2 Diabetes: Results From Three Large Prospective US Cohorts**
Caleigh M. Sawicki, Harvard T.H. Chan Sch of Public Health, Brigham and Women's Hosp/Harvard Medical Sch, Boston, MA; Kim V.e. Braun, Erasmus Univ, The Hague Univ of Applied Sciences, Rotterdam, Netherlands; Danielle E. Haslam, Harvard T.H. Chan Sch of Public Health, Brigham and Women's Hosp/Harvard Medical Sch, Boston, MA; Hala B. Alessa, Kuwait Univ, Harvard T.H. Chan Sch of Public Health, Boston, MA; Walter C. Willett, Frank B. Hu, Shilpa N Bhupathiraju, Harvard T.H. Chan Sch of Public Health, Brigham and Women's Hosp/Harvard Medical Sch, Boston, MA
- P218 **Quality of Plant-Based Diets is Differently Associated With Cardiovascular Mortality: A Longitudinal Analysis From the Moli-Sani Study**
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- P219 **An Elevated Consumption of Ultra-Processed Food Modifies the Association of Body Mass Index With All-Cause Mortality: Prospective Analyses From the Moli-Sani Study**
Marialaura Bonaccio, IRCCS NEUROMED, Pozzilli, Italy; Augusto F Di Castelnuovo, Mediterranea Cardiocentro, Napoli, Italy; Emilia Ruggiero, IRCCS Neuromed, Pozzilli, Italy; Simona Costanzo, IRCCS NEUROMED, Pozzilli, Italy; Simona Esposito, IRCCS Neuromed, Pozzilli, Italy; Anwal Ghulam, Univ of Insubria, Varese-Como, Italy; Chiara Cerletti, IRCCS Neuromed, Pozzilli, Italy; Maria Benedetta Donati, IRCCS Neuromed, Pozzilli, Italy, Pozzilli, Italy; Giovanni de Gaetano, IRCCS Neuromed, Pozzilli, Italy; Licia Iacoviello, IRCCS NEUROMED (Pozzilli, Italy) and Univ of Insubria (Varese, Italy), Pozzilli, Italy
- P220 **Dietary Patterns and Lower Risk of Early Stage of Renal Dysfunction in 9-Year Follow-Up in a Japanese General Population: Tanushimaru Cohort Study**
Nagisa Morikawa, Mika Enomoto, Dept of internal Med, Div of Cardio-Vascular Med, Kurume Univ Sch of Med, Kurume, Japan; Ako Fukami, Dept of internal Med, Div of Cardio-Vascular Med, Kurume Univ Sch of Med, Kurume, Fukuoka, Japan; Hiromi Sato, Hisashi Adachi, Yoshihiro Fukumoto, Dept of internal Med, Div of Cardio-Vascular Med, Kurume Univ Sch of Med, Kurume, Japan
- P221 **Intake of Ultra-Processed Foods in Relation to Cardiovascular Disease Incidence in US Men and Women With Diabetes Mellitus**
Zhangling Chen, Harvard T.H. Chan Sch of Public Health, Boston, MA; Jean-Philippe Drouin-chartier, LAVAL UNIVERSITY, Quebec, QC, Canada; Neha Khandpur, Harvard T.H. Chan Sch of Public Health, Utrecht, Netherlands; Yang Hu, HSPH, Newton, MA; Sinara Rossato, Harvard T.H. Chan Sch of Public Health, Boston, MA; Joann E Manson, Brigham and Women's Hosp, Boston, MA; Eric B Rimm, HARVARD SCHOOL PUBLIC HEALTH, Boston, MA; Frank Hu, Harvard Sch of Public Health, Boston, MA; Qi Sun, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA
- P223 **Estimated Health Benefits, Costs, and Cost-Effectiveness of Eliminating Industrial Trans-Fatty Acids in Nigeria**
Matti Marklund, The George Inst for Global Health, Univ of New South Wales, Newtown, Australia; Leopold N Aminde, Mary N Wanjau, Griffith Univ, Gold Coast, Australia; Boni M Ale, Adedayo E Ojo, Univ of Abuja, Gwagwalada, Abuja, Nigeria; Clementina E Okoro, Federal Capital Territory Primary Healthcare

Board, Abuja, Nigeria; Abimbola O Adegboye, Natl Agency for Food and Drug Admin and Control (NAFDAC), Abuja, Nigeria; J. Lennert Veerman, Griffith Univ, Gold Coast, Australia; Jason HY Wu, The George Inst for Global Health, Univ of New South Wales, Newtown, Australia; Mark D Huffman, Washington Univ in St. Louis, Saint Louis, MO; Dike B Ojji, Univ of Abuja, Gwagwalada, Abuja, Nigeria

- P224 **The Collaborative, Iterative Process of Changing Diet Toward Plant Proteins: A Qualitative Study Exploring the Drivers and Process of Dietary Change**
Vijaya Parameswaran, Stanford Univ, Palo Alto, CA; Corinne Coen, Phillip Cola, Case Western Reserve Univ, Cleveland, OH; Rajesh Dash, STANFORD UNIVERSITY, Stanford, CA; Kurt Stange, Kalle Lyytinen, Case Western Reserve Univ, Cleveland, OH

P01.16 Physical Activity and Sedentary Behavior 1

- P225 **Physical Activity and Heart Failure Prognosis in Older Postmenopausal Women**
Michael J LaMonte, Univ at Buffalo - SUNY, Buffalo, NY; Moafi-Madani Miremad, Brown Univ, Providence, RI; Steven Nguyen, Andrea Z Lacroix, Univ of California at San Diego, La Jolla, CA; Kathleen M. Hovey, Univ at Buffalo - SUNY, Buffalo, NY; Mary B. Roberts, Brown Univ, Providence, RI; Ahmed Soliman, Univ at Buffalo - SUNY, Buffalo, NY; Charles B. Eaton, Brown Univ, Providence, RI
- P226 **Aerobic and Muscle Strengthening Physical Activity and Television Viewing Are Independently Associated With Odds of Nonalcoholic Fatty Liver Disease: The Cardia Study**
Daniel J. McDonough, Mahesh Mathew, Univ of Minnesota, Minneapolis, MN; Zachary C. Pope, Well Living Lab - a Delos and Mayo Clinic Collaboration, Rochester, MN; Pamela Schreiner, Univ of Minnesota, Minneapolis, MN; David R. Jacobs Jr., Univ of Minnesota, Minnetonka, MN; Lisa B. VanWagner, UT Southwestern Medical Ctr, Dallas, TX; Jeffrey Carr, Vanderbilt, Nashville, TN; James G. Terry, Vanderbilt Univ Medical Ctr, Nashville, TN; Kelley P. Gabriel, Univ of Alabama, Birmingham, AL; Jared P. Reis, Natl Heart, Lung, and Blood Inst, Bethesda, MD
- P227 **Paradoxical Associations of Occupational and Non-Occupational Sedentary Behavior With Cardiovascular Risk Factors in Desk Workers**
Abdullah Alansare, King Saud Univ, Riyadh, Saudi Arabia; Joshua Paley, Univ of Pittsburgh, Pittsburgh, PA; Tyler Quinn, Bethany Barone Gibbs, West Virginia Univ, Morgantown, WV
- P228 **Accelerometer-Derived Daily Steps, Cognition, and Cognitive Impairment in U.S. Community-Dwelling Older Adults: The Atherosclerosis Risk in Communities Study**
Pablo Martinez-Amezcu, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Erin Dooley, Univ of Alabama at Birmingham, Birmingham, AL; Lisa Pompeii, Baylor Coll of Med, Houston, TX; Kelly R Evenson, UNC Dept of Epidemiology, Chapel Hill, NC; Brady Rippon, Weil Cornell Medical Coll, New York, NY; B Gwen Windham, UMMC, The MIND Ctr, Jackson, MS; Thomas Mosley Jr., UNIV MS MEDICAL CTR, Jackson, MS; Jennifer Schrack, Johns Hopkins Univ, Baltimore, MD; Kelley P Gabriel, UAB Sch of Public Health, Birmingham, AL; Priya Palta, Univ of North Carolina, Chapel Hill, NC
- P229 **The Associations Between Muscular Strengthening Activity, Physical Function, and All-Cause Mortality Among Older Adults With Cardiovascular Disease**
William Boyer II, California Baptist Univ, Riverside, CA; Deepika Laddu, Univ of Illinois at Chicago, Chicago, IL; Jessica Gorzelitz, Univ of Iowa, Iowa City, IA; Robert Booker, Northwestern Univ, Chicago, IL
- P230 **Left Ventricular Structure and Function Over 25 Years of Occupational Physical Activity Exposure in Cardia**
Tyler D Quinn, West Virginia Univ, Morgantown, PA; Abbi D Lane, Univ of South Carolina, Columbia, SC; Kelley P Gabriel, UAB Sch of Public Health, Birmingham, AL; Barbara Sternfeld, Kaiser Permanente

Northern California, Oakland, CA; David R Jacobs Jr., Univ of Minnesota, Minnetonka, MN; Peter Smith, Inst for Work and Health, Toronto, ON, Canada; Bethany Barone Gibbs, West Virginia Univ, Morgantown, WV

- P231 **Physical Activity During Adolescence and Adulthood Associated to Risk of Diabetes in Mexican Women**
Claudia F Martinez, Natl Inst of Public Health Mexico, Cuernavaca, Mexico; Josiemer Mattei, HARVARD CHAN SCHOOL PUBLIC HEALTH, Boston, MA; Adrián Cortés, Natl Inst of Public Health Mexico, Cuernavaca, Mexico; Martin Lajous, NATL INST OF PUBLIC HLTH, Mexico, Mexico
- P232 **Associations Between Park Acreage and Physical Activity Among Adolescents Living in Urban Green Cities: Exploring the Concept of a Park Oasis**
Eydie N Kramer-Kostecka, Univ of Minnesota, Minneapolis, MN; Sarah Espinoza, Junia de Brito, Daheia Barr-Anderson, Jaime Slaughter-Acey, Eydie Kramer-Kostecka, Univ of Minnesota, Waconia, MN
- P233 **Association of Longitudinal Activity Measures and Diabetes Risk: An Analysis From the NIH *All of Us* Research Program**
Andrew Perry, Vanderbilt Univ, Nashville, TN; Jeffrey Annis, Hiral Master, Vanderbilt Univ Medical Ctr, Nashville, TN; Matthew G Naylor, Boston University Sch of Med, Boston, MA; Andrew Hughes, Vanderbilt Univ Medical Ctr, Nashville, TN; Aymone Kouame, Vanderbilt Univ, Nashville, TN; Karthik Natarajan, Columbia Univ, New York City, NY; Kayla Marginean, Vanderbilt Univ Medical Ctr, Nashville, TN; Venkatesh L Murthy, Univ of Michigan, Ann Arbor, MI; Dan M Roden, VANDERBILT UNIV MEDICAL CENTER, Nashville, TN; Paul Harris, Vanderbilt Univ, Nashville, TN; Ravi V Shah, Vanderbilt Univ Medical Ctr, Nashville, TN; Evan Brittain, VANDERBILT UNIVERSITY MEDICAL CENTER, Nashville, TN
- P234 **Associations Between Sedentary Time With Physical Activity and Sarcopenia in the Oldest-Old Adults: The Health, Aging and Body Composition (Health ABC) Study**
Shivangi Bajpai, Univ of Massachusetts Amherst, Amherst, MA; Eric M Eberl, Ctr for Innovation in Digital Healthcare, MGH, Boston, MA; Eric J Shiroma Jr., Natl Health Lung Blood Inst, Bethesda, MD; Eleanor Simonsick, Natl Inst on Aging, Baltimore, MD; Amanda E Paluch, Univ of Massachusetts Amherst, Amherst, MA
- P235 **The Association Between Neighborhood Walkability and Physical Activity in a Behavioral Weight Loss Trial Testing the Addition of Remotely Delivered Feedback Messages to Self-Monitoring**
Jacob K Kariuki, Emory Univ, Atlanta, GA; Zhadyra Bizhanova, Allegheny health network, Pittsburgh, PA; Molly Conroy, Univ of Utah, Salt Lake, UT; Lora E Burke, UNIVERSITY of PITTSBURGH, Pittsburgh, PA; Jessica Cheng, Massachusetts General Hosp, Boston, MA; Britney Beatrice, Univ of Pittsburgh, Pittsburgh, PA; Susan M Sereika, UNIV PITTSBURGH SCHOOL NURSING, Pittsburgh, PA

P01.17 Physical Functioning and Quality of Life

- P236 **Neighborhood Socioeconomic Status and Functional Status Impairment in Late-Life: The Atherosclerosis Risk in Communities (ARIC) Study**
Sierra Patterson, Univ of North Carolina, Chapel Hill, NC; Priya Palta, Columbia Univ Medical Ctr, New York, NY; Pablo Martinez-Amezcuca, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Mark Lee, Univ of Minnesota, Minneapolis, MN; Anna Kucharska-Newton, UNIVERSITY NORTH CAROLINA, Chapel Hill, NC
- P237 **Human Circulating Metabolite Orchestration to Acute Exercise Indicative of Cardiorespiratory Fitness at Different Ambient Temperatures**
Yang Hu, The Fourth Military Med Univ, Xian, China
- P238 **Gait Characteristics in Older Adults Using the Protokinetics Zeno Walkway: The Atherosclerosis Risk in Communities Study**

Laura Skow, Johns Hopkins Univ, Baltimore, MD; B Gwen Windham, UMMC, The MIND Ctr, Jackson, MS; A Richey Sharrett Sr., JOHN HOPKINS UNIV, Baltimore, MD; Michael Griswold, MIND Ctr, Jackson, MS; Jennifer Schrack, Johns Hopkins Univ, Baltimore, MD

P239 **Impact of American Heart Association/American Stroke Association Online Support Network on Quality of Life**

Remy Poudel, American Heart Association, Fort Worth, TX; Lynne T Braun, RUSH UNIV, La Grange, IL; Allison Groom, Katherine Bahn, William Akel, American Heart Association, Dallas, TX; Kathleen L Grady, NORTHWESTERN UNIVERSITY, Chicago, IL

P01.18 Pregnancy and Maternal/Fetal Health

P240 **Higher Body Mass Index is Associated With Lower Placental Expression of EPYC: Results From a Genome-Wide Transcriptomic Study in the Gen3G Cohort**

Sana Majid, Joanne E Sordillo, Harvard Pilgrim Health Care Inst/Harvard Medical Sch, Boston, MA; Frédérique White, Univ of Sherbrooke, Sherbrooke, QC, Canada; Francois Aguet, Kristin G Ardlie, Broad Inst, Cambridge, MA; Ananth A Karumanchi, Cedars-Sinai Medical Ctr, W Hollywood, CA; Jose C Florez, Camille Powe, Andrea G Edlow, Massachusetts General Hosp, Boston, MA; Luigi Bouchard, Pierre-Étienne Jacques, Univ of Sherbrooke, Sherbrooke, QC, Canada; Marie-France Hivert, HARVARD MEDICAL SCHOOL, Boston, MA

P241 **Later Menarche Onset Portends Lower Risk of Preterm Birth: Results From the Boston Birth Cohort**

Yingan Chen, Guoying Wang, Xiumei Hong, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Mingyu Zhang, Harvard Medical Sch, Boston, MA; Xiaobin Wang, Noel T Mueller, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD

P242 **Accuracy of a Self-Report Screening Tool for Identifying Pregnant People With High Sedentary Behavior**

Bethany Barone Gibbs, West Virginia Univ, Morgantown, WV; Andrea Kozai, Shannon McAdoo, Joshua Paley, Alisse Hauspurg, Keliann Davis, Univ of Pittsburgh, Pittsburgh, PA; Janet M Catov, UNIVERSITY OF PITTSBURGH, Pittsburgh, PA

P243 **Perceived Barriers and Facilitators to Healthy Eating in Pregnant People With Hypertension or at Risk for Hypertensive Disorders of Pregnancy**

Sravya Shankara, Akanksha Nagarkar, Univ of Massachusetts Chan Medical Sch, Worcester, MA; Diana Sibai, Univ of Massachusetts Chan Medical Sch, Chicopee, MA; Gianna Wilkie, Stephenie C Lemon, Lara Kovell, Univ of Massachusetts Chan Medical Sch, Worcester, MA

P244 **Gestational Glucose Intolerance is Associated With Hypertensive Disorders of Pregnancy in a Large Hospital-Based Multiethnic Cohort**

Jacqueline Maya, Kaitlyn James, Sarah Hsu, Tanayott Thaweethai, Marie-France Hivert, Camille Elise Powe, Massachusetts General Hosp, Boston, MA

P245 **Early Pregnancy Exposure to Per- And Polyfluoroalkyl Substances and Thyroid Function Throughout Gestation: A Longitudinal Study**

Anna Birukov, Harvard Sch of Public Health, Boston, MA; Ruijin Lu, Washington Univ Sch of Med, Washington DC, DC; Guoqi Yu, Yong Loo Lin Sch of Med, Natl Univ of Singapore, Singapore, Singapore; Yan Qiao, Eunice Kennedy Shriver Natl Inst of Child Health and Human Development (NICHD), Bethesda, MD; Mohammad Rahman, Natl Cancer Inst, Natl Insts of Health, Rockville, MD; Qi Sun, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA; Ronald C Ma, CHINESE UNIV HONG KONG, Hong Kong, China; Zhen Chen, Eunice Kennedy Shriver Natl Inst of Child Health and Human Development (NICHD),

Bethesda, MD; Frank B Hu, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA; Cuilin Zhang, Yong Loo Lin Sch of Med, Natl Univ of Singapore., Singapore, Singapore

- P246 **Association Between Life's Essential 8 Cardiovascular Health Scores During Pregnancy and Vascular Integrity in the Placenta**
Andrea Kozai, Univ of Pittsburgh, Pittsburgh, PA; W. Tony Parks, Univ of Toronto, Toronto, ON, Canada; Janet M Catov, UNIVERSITY OF PITTSBURGH, Pittsburgh, PA; Abbi D Lane, Univ of South Carolina, Columbia, SC; Lauren B Skvarca, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA; Melissa Jones, Oakland Univ, Oakland, MI; Kara M Whitaker, UNIVERSITY OF IOWA, Iowa City, IA; Bethany Barone Gibbs, West Virginia Univ, Morgantown, WV
- P247 **Factors Associated With the Severity of the Hypertensive Disorders of Pregnancy**
Matthew S Loop, Auburn Univ, Auburn, AL; Rachel P Urrutia, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Jasmine D Johnson, Indiana Univ Sch of Med, Indianapolis, IN; Thomas M Price, Duke Univ, Durham, NC; Tracy Y Wang, DCRI, Durham, NC; Melissa A Daubert, DUKE UNIVERSITY MEDICAL CENTER, Durham, NC

P01.19 Psychosocial Factors

- P248 **Plasma Proteins Associated With Depressive Symptoms and Perceived Global Stress Among African American Adults in the Jackson Heart Study**
Sara O'Brien, Brian Chen, The Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Daniel E Cruz, BIDMC, Boston, MA; Alex Reiner, Univerisity of Washington, seattle, WA; Mario Sims, Univ of California, Riverside, Riverside, CA; LaShaunta M Glover, Laura M Raffield, The Univ of North Carolina at Chapel Hill, Chapel Hill, NC
- P249 **Moderate-to-Severe Depression Symptoms Are Associated With Poorly Controlled Glucose Levels in Persons With Type 2 Diabetes Mellitus**
Radha Dhingra, Fan He, Erika F Saunders, Daniel A Waschbusch, Amanda M Pearl, Edward O Bixler, Penn State Coll of Med, Hershey, PA; Jody L Greaney, The Univ of Texas at Arlington, Arlington, TX; Laila Al-Shaar, Vernon M Chinchilli, Jeffrey D Yanosky, Penn State Coll of Med, Hershey, PA; Duanping Liao, PENN STATE UNIV COLLEGE OF MED, Hershey, PA
- P250 **Prospective Associations of Coping Strategies and Variability in Their Use With Hypertension and Obesity Incidence**
Shuqi Zhang, Dept of Epidemiology, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Laura Kubzansky, Dept of Social and Behavioral Sciences, Harvard T.H. Chan Sch of Public Health, Boston, MA; Karestan Koenen, Dept of Epidemiology, Harvard T.H. Chan Sch of Public Health, Boston, MA; Judith Moskowitz, Dept of Medical Social Sciences, Northwestern Univ, Evanston, IL; Janet Rich-edwards, Div of Women's Health, Dept of Med at Brigham and Women's Hosp., Boston, MA; Claudia Trudel-Fitzgerald, Dept of Psychology, Univ du Québec à Trois-Rivières, Québec, QC, Canada
- P251 **Using Art to Mitigate Psychosocial Stress and Blood Pressure Among Black Women: A Pilot Trial**
Anika L Hines, Allison Weiderhold, Virginia Commonwealth Univ, Richmond, VA; Sarah Collins, VCU, Richmond, VA; LaPrincess C Brewer, MAYO CLINIC, Rochester, MN; Jessica Larose, Virginia Commonwealth Univ, Richmond, VA; Lisa A Cooper, JOHN HOPKINS UNIV SCH OF MEDICINE, Baltimore, MD
- P252 **Financial Strain and Cardiovascular Health Among Young Black Women: Findings From a Community Survey**
Anika L Hines, Allison Auten, Virginia Commonwealth Univ, Richmond, VA; Darrell Gaskin, Johns Hopkins Univ, Baltimore, MD

- P253 **Neighborhood Socioeconomic Status and Psychosocial Health Among Asian Americans Adults in New York City**
Suditi Shyamsunder, Dyuthy Ramachandran, Chaeyoung Kim, Jaiveer Singh, Shozen Dan, Latha Palaniappan, Malathi Srinivasan, Stanford Univ, Stanford, CA; Eugene Yang, Univ of Washington, Seattle, WA; Stella Yi, New York Univ, New York, NY; Tali Elfassy, Univ of Miami, Miami, FL
- P254 **Mental Well-Being of Caregivers With Overweight and Obesity is Associated With Cognitive Stimulation Provided to Children in the Home**
Daphne Lew, Genevieve Davison, Washington Univ Sch of Med, St. Louis, MO; Colleen Kilanowski, Univ at Buffalo, Buffalo, NY; Ihuoma U. Eneli, Nationwide Childrens Hosp, Columbus, OH; Stephen R Cook, UNIV ROCHESTER MEDICAL CENTER, Rochester, NY; Teresa Quattrin, Univ at Buffalo, Buffalo, NY; Kenneth Schechtman, WASHINGTON UNIVERSITY, Saint Louis, MO; Leonard Epstein, Univ of New York, Buffalo, NY; Denise Wilfley, Washington Univ Sch of Med, St Louis, MO
- P255 **Risk Factors for Incident Depressive Symptoms During the COVID-19 Pandemic Among Multi-Ethnic Older Adults: The Multi-Ethnic Study of Atherosclerosis (MESA)**
Asma Sharaf, Columbia Univ, New York City, NY
- P256 **Psychosocial Risk Factors Are Associated With Lower Cardiovascular Health, Measured by Life's Essential 8, in the Atherosclerosis Risk in Communities (ARIC) Study**
Kennedy M Peter, UNC at Chapel Hill, Chapel Hill, NC; Anna Kucharska-Newton, UNIVERSITY NORTH CAROLINA, Chapel Hill, NC; Eugenia Wong, Priya Palta, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Yejin Mok, Johns Hopkins Univ, Baltimore, MD; Pamela L Lutsey, UNIVERSITY OF MINNESOTA, Minneapolis, MN; Wayne D Rosamond, Univ of North Carolina, Chapel Hill, NC
- P257 **Self-Perception of Mental and Physical Health Are Significant Predictors of Activities of Daily Living**
Chaitali Dagli, Univ of Alabama at Birmingham, Birmingham, AL; Chih-Hung Chang, Robin Hattori, Washington Univ Sch of Med, St. Louis, MO; Mersha Wubie, Saint Louis Univ, St. Louis, MO; Lisa T Connor, Washington Univ Sch of Med, St. Louis, MO
- P258 **Global Stress and Masked Hypertension in African-Americans: The Jackson Heart Study**
Miriam A. Miles, Oluwasegun P Akinyelure, Univ of Alabama at Birmingham, Birmingham, AL; Swati Sakhuja, The Univ of Alabama at Birmingham, Des Plaines, IL; Shakia T Hardy, Univ of Alabama at Birmingham, Birmingham, AL; Byron C Jaeger, Wake Forest Sch of Med, Winston Salem, NC; Tanya M Spruill, NYU Sch of Med, New York, NY; Daichi Shimbo, Hiroyuki Mizuno, Columbia Univ, New York, NY; Mario Sims, Univ of California, Riverside, Riverside, CA; Lenette M Jones, Univ of Michigan, Ann Arbor, MI; Paul Muntner, Univ of Alabama at Birmingham, Birmingham, AL

P01.20 Social Determinants 1

- P259 **Associations of Adverse Childhood Experiences With Cardiovascular Health (Life's Essential 8) Among Women in Midlife**
Sheryl L Rifas-Shiman, Marie-France Hivert, Harvard Medical Sch and Harvard Pilgrim Health Care Inst, Boston, MA; Jorge E Chavarro, Harvard TH Chan Sch of Public Health, Boston, MA; Janet Rich-Edwards, Brigham and Women's Hosp, Harvard Medical Sch, Boston, MA; Emily Oken, Harvard Medical Sch and Harvard Pilgrim Health Care Inst, Boston, MA
- P260 **The Association of Changes in Area Deprivation Index With Cardiometabolic Risk Factors: The Atherosclerosis Risk in Communities (ARIC) Study**
Erika Clarke, CUNY Sch of Med, New York City, NY; Ebenezer K Aryee, Sui Zhang, Perri Carroll, Johns Hopkins Univ, Baltimore, MD; Priya Palta, Columbia Univ Medical Ctr, New York, NY; Kunihiro

Matsushita, Johns Hopkins Univ, Baltimore, MD; Josef Coresh, JOHNS HOPKINS SPH WELCH CENTER, Baltimore, MD; Lisa A Cooper, JOHN HOPKINS UNIV SCH OF MEDICINE, Baltimore, MD; Lena Molly Mathews, Johns Hopkins Univ, Baltimore, MD; Chiadi E Ndumele, JOHNS HOPKINS HOSPITAL, Baltimore, MD

- P261 **Associations Between Adolescent Social Determinants and Adult Cardiovascular Health in the Add Health Cohort**
Simon Higgins, Emma S Cowley, Lee Stoner, Univ of North Carolina, Chapel Hill, NC
- P262 **A Mixed-Methods Study Exploring the Influence of Neighborhood Social Determinants of Health on Adopting a Heart-Healthy Lifestyle Among Church Members**
Flor Alvarado, Amanda Hercules, Melanie Wanigatunga, Jodie Laurent, Tulane Univ, New Orleans, LA; Marilyn Payne, Payne and Associates Counseling and Consulting Services, New Orleans, LA; Deidra Crews, Johns Hopkins Univ, Baltimore, MD; Katherine T Mills, Jiang He, Jeanette Gustat, Keith C Ferdinand, Tulane Univ, New Orleans, LA
- P263 **Associations Between Dimensions of the Social Environment and Cardiometabolic Risk Factors**
Joreintje D. Mackenbach, Taymara C. Abreu, Fleur Heuvelman, Amsterdam UMC, location Vrije Univ, Amsterdam, Netherlands; Linda J. Schoonmade, Univ Library, Vrije Univ Amsterdam, Amsterdam, Netherlands; Joline W. Beulens, Amsterdam UMC, location Vrije Univ, Amsterdam, Netherlands
- P264 **Interleukin-1 β Mediation of Chronic Stress-Related Neural Activity and Trimethylamine- N-oxide - Data From the Washington DC Cardiovascular Health and Needs Assessment**
Manuel Cintron, Lola Ortiz-Whittingham, Yvonne Baumer, Natl Insts of Health, Bethesda, MD; Nicole Farmer, Natl Insts of Health Clinical Ctr, Bethesda, MD; Billy Collins, Gwenyth Wallen, Tiffany M Powell-Wiley, Natl Insts of Health, Bethesda, MD
- P265 **Do Social Determinants of Health for Children's Cardiometabolic Health Differ by Family Structure Type?**
Minkyong Song, Oregon Health & Science Univ, Portland, OR; Carol C Musil, Case Western Reserve Univ, Cleveland, OH; Laura L Hayman, Univ of Massachusetts Boston, Boston, MA
- P266 **Complex Patterns of Early Life Adversity Vary by Gender: Associations With Cardiometabolic Health and Pre-Heart Failure Among Hispanics/Latinos in the Midlife**
Ayana K April-Sanders, Rutgers Sch of Public Health, Piscataway, NJ; Linda Gallo, SAN DIEGO STATE UNIVERSITY, Chula Vista, CA; Un Jung Lee, Albert Einstein Coll of Med, Bronx, NY; Barry E Hurwitz, UNIVERSITY OF MIAMI, Miami, FL; Martha L Daviglius, UNIVERSITY ILLINOIS CHICAGO, Chicago, IL; Gregory A Talavera, SAN DIEGO STATE UNIVERSITY, Chula Vista, CA; Bonnie Shook-Sa, Univ of North Carolina, Chapel Hill, NC; Carmen R Isasi, ALBERT EINSTEIN COLLEGE MEDICINE, Bronx, NY; Carlos Jose Rodriguez, Albert Einstein Sch of Med, Bronx, NY
- P267 **Examining the Relationship Between Historic Redlining and Contemporary Coronary Heart Disease Prevalence**
Marcus R Andrews, NATIONAL INSTITUTES OF HEALTH, Bethesda, MD; Tiffany M Powell-Wiley, NATIONAL INSTITUTES OF HEALTH, Silver Spring, MD
- P268 **The Impact of Social Determinants of Health on Treatment Adherence in Heart Failure Patients: A Narrative Review**
William B Burrows, 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, UNIVERSITY NORTH CAROLINA, Chapel Hill, NC

- P269 **Associations Between Neighborhood Socioeconomic Deprivation During Pregnancy and Offspring Early Anthropometric Outcomes**
Sam Neally, Univ of North Carolina at Chapel Hill, Carrboro, NC; Elizabeth Widen, Univ of Texas at Austin, Austin, TX; Cathrine Hoyo, North Carolina State Univ, Raleigh, NC; Chantel Martin, Univ of North Carolina at Chapel Hill, Chapel Hill, NC

P01.21 Surveillance

- P270 **Changes in Cardiovascular Disease & Stroke Mortality, 2010-2020**
Stephen Sidney, KAISER PERMANENTE NORTHERN CAL, Oakland, CA; Jamal S Rana, KAISER PERMANENTE, Oakland, CA; Donald Lloyd-Jones, Sadiya Khan, Northwestern Univ Feinberg Sch of Med, Chicago, IL
- P271 **Spatiotemporal Trends of Cardiovascular Incidence in U.S. Veterans From 2003-2018**
Tamar S Polonsky, Univ of Chicago, Dept of Med, Chicago, MI; Daniel C Posner, Yuk-Lam Ho, VA Boston Healthcare System, Boston, MA; Monica C Serra, South Texas VAHCS and UTHSCSA, San Antonio, TX; Serena C Houghton, VA Boston Healthcare System, Boston, MA; Kerry L Ivey, Harvard Sch of Public Health, Boston, MA; Yanping Li, Harvard Univ, Boston, MA; David R Gagnon, VA Boston Healthcare System, Boston, MA; Luc Djousse, BWH and Harvard Med Sch, Boston, MA; Kelly M Cho, VA Boston Healthcare System, Boston, MA; Peter W Wilson, Atlanta VAMC, Decatur, GA
- P272 **Spatial and Temporal Trends of Infective Endocarditis Hospitalizations in Kentucky, 2008-2018**
Meera Marji, Jay christian, Steven Browning, Univ of Kentucky, Lexington, KY; Steve W Leung, UNIVERSITY OF KENTUCKY, Lexington, KY; Richard Charnigo, Univ of Kentucky, Lexington, KY; Anna Kucharska-Newton, UNIVERSITY NORTH CAROLINA, Chapel Hill, NC

P01.22 Workplace Health

- P273 **A Mediterranean Diet Nutrition Intervention Increases Adherence in *Feeding America's Bravest*: A Stepped-Wedge Cluster-Randomized Controlled Trial**
Maria Soledad Hershey, Harvard TH Chan Sch of Public Health, Dept of Environmental Health, Boston, MA; Chia-Rui Chang, Harvard TH Chan Sch of Public Health, Dept of Biostatistics, Boston, MA; Mercedes Sotos-Prieto, Dept of Preventive Med and Public Health, Sch of Med, Univ Autónoma de Madrid, Madrid, Spain; Steven Moffatt, e Natl Inst for Public Safety Health, Indianapolis, IN; Stefanos Kales, Harvard TH Chan Sch of Public Health, Dept of Environmental Health, Boston, MA
- P274 **Associations of Occupational Physical Activity With Allostatic Load Among Workers in the United States**
Tong Xia, Dept of Epidemiology, Fielding Sch of Public Health, Univ of California Los Angeles, Los Angeles, CA; Jian Li, Dept of Environmental Health Sciences, Fielding Sch of Public Health, Univ of California Los Angeles, Los Angeles, CA; Liwei Chen, Dept of Epidemiology, Fielding Sch of Public Health, Univ of California Los Angeles, Los Angeles, CA
- P275 **Mediterranean Dietary Pattern Assessment and Cardiac Health in Firefighters**
Deborah L Fairheller, California State Univ, San Marcos, CA
- P276 **Assessment of the Competence in Electrocardiographic Interpretation Among Arabic Resident Doctors at the Emergency Medicine and Internal Medicine Departments: A Multi-Center Online Cross-Sectional Study**
Sarya Swed, Haidara Bohsas, Hidar Alibrahim, Faculty of Med, Aleppo Univ, Aleppo, Syrian Arab Republic; Kirellos Said Abbas, Faculty of Med, Alexandria Univ, Alexandria, Egypt; Bisher Sawaf, Dept of Internal

Med, Hamad Medical Corp, Doha, Qatar; Yazan Khair Eldien Jabban, Faculty of Med, Damascus Univ, Damascus, Syrian Arab Republic; Amr Farwati, Mohammed Najdat Seijari, Internal Med Dept, Hamad Medical Corp, Doha, Qatar; Mohamed Elsayed, Dept of Psychiatry, Sch of Med and Health Sciences, Carl von Ossietzky Univ Oldenburg, Oldenburg, Germany; Abdulqadir J. Nashwan, Hamad Medical Corp, Doha, Qatar; Basel Abdelazeem, McLaren Health Care, Flint, MI

Wednesday, March 3

MPS.05 Biomarkers

- MP25 **Circulating Odd-Chain Fatty Acids and Mortality Risk After Myocardial Infarction in the Alpha Omega Cohort**
Esther Crujisen, Kamalita Pertiwi, **Johanna M Geleijnse**, Wageningen Univ and Res, Wageningen, Netherlands
- MP26 **Lifestyle, Genetic and Epigenetic Factors Associated With Serum Glyca Levels and Results From a Lifestyle Intervention Trial on This Cardiovascular Risk Biomarker**
Oscar Coltell, UNIVERSITY OF VALENCIA-CIBEROBN-UJI, VALENCIA, Spain; Jose Sorli, UNIVERSITY OF VALENCIA-CIBEROBN, VALENCIA, Spain; Rebeca Fernandez-Carrion, Univ de Valencia, Valencia, Spain; Dolores Corella, VALENCIA UNIVERSITY and CIBEROBN, Valencia, Spain
- MP28 **The Association Between the Saliva Microbiome and Biomarkers of Cardiometabolic Disease in ORIGINS**
Bruno Bohn, Univ of Minnesota - SPH, Minneapolis, MN; Sumith Roy, Columbia Univ, NY, NY; Clarisse Marotz, Rob Knight, Univ of California San Diego, La Jolla, CA; Michael Rosenbaum, Columbia Univ, New York, NY; Bruce Paster, The Forsyth Inst, Cambridge, MA; Melana Yuzefpolskaya, Columbia Univ Medical Ctr, New York, NY; Paolo C Colombo, Columbia Univ, New York, NY; Panos Papapanou, Moise Desvarieux, Columbia Univ Medical Ctr, New York, NY; David R Jacobs Jr., Univ of Minnesota, Minnetonka, MN; Ryan Demmer, Univ of Minnesota, Minneapolis, MN
- MP29 **High-Sensitivity Troponin-T is Associated With Incident Diabetic Foot Infections in the Atherosclerosis Risk in Communities Study**
Caitlin W Hicks, Johns Hopkins Univ Sch of Med, Baltimore, MD; Dan Wang, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Katherine McDermott, Johns Hopkins, Baltimore, MD; Michael Fang, Kunihiro Matsushita, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; B Gwen Windham, UMMC, The MIND Ctr, Jackson, MS; Elizabeth Selvin, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD
- MP30 **Metabolomics Analyses Identified Factors Modifying the Association of Aspirin Use With Kidney Function**
Ruiyuan Zhang, Xiao Sun, Zhijie Huang, Tulane Univ, New Orleans, LA; Varun Rao, Yang Pan, Univ of Illinois Chicago, Chicago, IL; Xi Cao, Yizhuo Liu, Tulane Univ, New Orleans, LA; Shengxu Li, Children's Minnesota Res Inst, Minneapolis, MN; Lydia A Bazzano, TULANE UNIVERSITY, New Orleans, LA; Wei Chen, Jiang He, Tulane Univ, New Orleans, LA; Tanika N Kelly, Univ of Illinois Chicago, Chicago, IL; Changwei Li, Tulane Univ, New Orleans, LA

MPS.06 Obesity

- MP31 **Serum Metabolite Signatures for Metabolic Healthy and Unhealthy Obesity: The Bogalusa Heart Study**
Changwei Li, Tulane Univ, New Orleans, LA; Zhijie Huang, Tulane, New Orleans, LA; Xiao Sun, Tulane Univ, New Orleans, LA; Yang Pan, Univ of Illinois Coll of Med, Chicago, IL; Jing Chen, Tuland Sch of Med, New Orleans, LA; Tanika N Kelly, TULANE UNIVERSITY, New Orleans, LA; Shengxu Li, Children's Minnesota, Minnesota, MN; Wei Chen, Tulane Univ, New Orleans, LA; Lydia A Bazzano, TULANE UNIVERSITY, New Orleans, LA; Jiang He, Tulane Univ, New Orleans, LA
- MP32 **Body Weight Variability in Young Adulthood and Echocardiographic Precursors of Heart Failure in Later Life: The Coronary Artery Risk Development in Young Adults (CARDIA) Study**
QUEEN NNENNA AGHAJI, Johns Hopkins Univ, Baltimore, MD; Chike C Nwabuo, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Duke Appiah, Texas Tech Univ Health Sciences Ce, Lubbock, TX; Yano Yuichiro, Anthony J Viera, Duke Univ, Durham, NC; Norrina B Allen, NORTHWESTERN UNIVERSITY, Chicago, IL; Jamal S Rana, KAISER PERMANENTE, Oakland, CA; Donald Lloyd-Jones, Northwestern Univ, Chicago, IL; Pamela J Schreiner, UNIVERSITY OF MINNESOTA, Minneapolis, MN; Joao AC Lima, JOHNS HOPKINS UNIVERSITY, Baltimore, MD
- MP33 **Increases in the Ratio of Waist Circumference-Decile to Body Mass Index-Decile With Age: Findings From the National Health and Nutrition Examination Survey**
Orna Reges, Ariel Univ, Ariel, Israel; Tsafnat Test, Ben-Gurion Univ of the Negev, Beer-Sheva, Israel; Ira Gaidishev, Limor Beshari, Shiraz Aharoni, Rinat Greenberg, Ariel Univ, Ariel, Israel; Maxim Melichov, Holon Inst of Technology, Holon, Israel; Dror Dicker, Hasharon Hosp, Rabin Medical center, Petach-Tikva, Israel; Tomas Karpati, Holon Inst of Technology, Holon, Israel
- MP34 **Non-Alcoholic Fatty Liver Disease Modifies the Associations of Body Mass Index and Waist Circumference With Changes in Cardiometabolic Risk: The Cardia Study**
Mahesh Mathew, Mark A. Pereira, Univ of Minnesota, Minneapolis, MN; Zachary C. Pope, Well Living Lab, Rochester, MN; Pamela J. Schreiner, UNIV MINNESOTA, Minneapolis, MN; David R Jacobs Jr., Univ of Minnesota, Minnetonka, MN; James G Terry, Vanderbilt Univ Medical Ctr, Nashville, TN; Lisa B VanWagner, Northwestern Univ, Chicago, IL
- MP35 **Hair Cortisol Concentrations Are Associated With Greater Adiposity in Mid-Adolescence**
Melissa N Sidote, Nicole Bornkamp, Sheryl L Rifas-Shiman, Amy R Nichols, Mingyu Zhang, Marie-France Hivert, Emily Oken, Div of Chronic Disease Res Across the Lifecourse, Dept of Population Med, Harvard Medical Sch and Harvard Pilgrim Health Care Inst, Boston, MA
- MP36 **Long-Term Dietary Lignan Intake and Weight Change: Results From Three Prospective Cohort Studies**
Sharan K Rai, Yang Hu, Ming Ding, Frank B Hu, Molin Wang, Jorge E Chavarro, Qi Sun, Harvard T.H. Chan Sch of Public Health, Boston, MA

MPS.07 Psychosocial

- MP37 **DNA Methylation of Leptin Mediates the Relationship Between Stress-Associated Inflammation and Insulin Resistance: Data From the Washington DC Cardiovascular Health and Needs Assessment**
Lola R Ortiz-Whittingham, Yvonne Baumer, Billy S Collins, Valerie M Mitchell, Natl Insts of Health, Bethesda, MD; Michael J Corley, Weill Cornell Med, New York, NY; Tiffany M Powell-Wiley, Natl Insts of Health, Bethesda, MD
- MP38 **Higher Childhood Cardiovascular Risk Score is Associated With Worse Physical, Social and Emotional Functioning in Adulthood**
Jessica G Woo, Cincinnati Children's Hosp Medical Ctr, Cincinnati, OH; Lydia A Bazzano, TULANE UNIVERSITY, New Orleans, LA; Elaine M Urbina, CINCINNATI CHILDRENS HOSPITAL, Cincinnati, OH

- MP39 **Associations of Disordered Eating and Weight Control Behavior With Cardiovascular Health Score: The Coronary Artery Risk Development in Young Adults Study**
Brittanny Polanka, Univ of Minnesota, Minneapolis, MN; Cynthia Yoon, Univ of Houston, Houston, TX; David R Jacobs Jr., Univ of Minnesota, Minneapolis, MN; Pamela Schreiner, UNIV MINNESOTA, Minneapolis, MN; Nancy Sherwood, Univ of Minnesota, Minneapolis, MN
- MP40 **John Henryism Moderates the Association Between Income and Heart Failure Among African American Adults From the Jackson Heart Study**
LaShaunta M Glover, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Allana Forde, Natl Inst on Minority Health and Health Disparities, Bethesda, MD; Reed DeAngelis, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Md Abu Yusuf Ansari, Univ of Mississippi Medical C, Jackson, MS; Mario Sims, Univ of California, Riverside, Riverside, CA; Sherman James, Duke Univ, Durham, NC
- MP41 **The Association Between Psychological Distress and Obesity is Mediated by Sleep and Attenuated by Resilience Among Racially and Ethnically Diverse Women: Evidence From the American Heart Association Go Red for Women Strategically Focused Research Network**
Giada Benasi, Samantha Scaccia, Bin Cheng, Marie-Pierre St-Onge, Brooke Aggarwal, Columbia Univ Irving Medical Ctr, New York, NY
- MP42 **Associations Between Psychological Resilience and Lifestyle Behaviors Among Adults in Puerto Rico Affected by Repeated Adverse Events**
Laura Sampson, Ariel H Kim, June O'Neill, Harvard T.H. Chan Sch of Public Health, Boston, MA; Luis M Falcon, Katherine L Tucker, Univ of Massachusetts Lowell, Lowell, MA; Edna Acosta, Univ of Puerto Rico, San Juan, PR; Jose F Rodriguez Orengo, FDI Clinical Res, San Juan, PR; Eric B Rimm, Laura D Kubzansky, Karestan C Koenen, Josiemer Mattei, Harvard T.H. Chan Sch of Public Health, Boston, MA

MPS.08 Sleep

- MP43 **The Role of the Physical Environment in Racial Differences in Sleep Duration**
Dayna A. Johnson, Krysta Medearis, Emory Univ, Atlanta, GA; Kari Moore, Drexel Univ, Philadelphia, PA; Susan Redline, Brigham and Women's Hosp, Boston, MA
- MP44 **Cardiovascular and Behavioral Correlates of Restless Leg Syndrome in the Coronary Artery Risk Development in Young Adults (CARDIA) Study**
Mercedes R Carnethon, NORTHWESTERN UNIVERSITY, Chicago, IL; Mandy Wong, Shaina Alexandria, Northwestern Univ, Chicago, IL; Sabra Abbott, NORTHWESTERN UNIVERSITY, Chicago, IL; Diana Chirinos, Northwestern Univ, Chicago, IL; S. Justin Thomas, Cora E. Lewis, Univ of Alabama at Birmingham, Birmingham, AL; Elizabeth C. Feliciano, Stephen Sidney, Kaiser Permanente Northern California, Oakland, CA; Pamela J. Schreiner, UNIV MINNESOTA, Minneapolis, MN; Kristen Knutson, Northwestern Univ, Chicago, IL
- MP45 **Nocturnal Hypoxemia, Obstructive Sleep Apnea and the Risk of Cardiovascular Diseases and Mortality: Insights From the Atherosclerosis Risk in Communities Participants of the Sleep Heart Health Study**
Jeffrey R Misialek, Univ of Minnesota, Minneapolis, MN; Kelsie M Full, Vanderbilt Univ, Nashville, TN; Brittanny M Polanka, Kamakshi Lakshminarayan, Univ of Minnesota, Minneapolis, MN; Rebecca F Gottesman, NINDS, Baltimore, MD; Jayandra J Himali, Boston Univ, Boston, MA; Matthew P Pase, Monash Univ, Melbourne, Australia; Pamela L Lutsey, UNIVERSITY OF MINNESOTA, Minneapolis, MN
- MP46 **Higher Daytime Fruit, Vegetable, and Carbohydrate Intake is Associated With Less Fragmented Nighttime Sleep in Adults With Adequate Sleep Duration**

Hedda L Boege, Columbia Univ, New York, NY; Katherine D Wilson, Univ of California San Diego Sch of Med, La Jolla, CA; Jennifer M Kilkus, The Univ of Chicago, Chicago, IL; Waveley Qiu, Bin Cheng, Columbia Univ, New York, NY; Esra Tasali, The Univ of Chicago, Chicago, IL; Marie-Pierre St-Onge, Columbia Univ, New York, NY

MP47 Sleep Disordered Breathing is Adversely Associated With Cardiac Autonomic Modulation in Adolescents

Julio Fernandez-Mendoza, Alexis M Isely, PENN STATE COLLEGE OF MEDICINE, Hershey, PA; Natasha Morales-Ghinaglia, Penn State Coll of Med, Hershey, PA; Fan He, PENN STATE COLLEGE OF MEDICINE, Hershey, PA; Susan Calhoun, Jason Liao, Alexandros Vgontzas, Penn State Coll of Med, Hershey, PA; Duanping Liao, PENN STATE COLLEGE OF MED, Hershey, PA; Edward O Bixler, Penn State Coll of Med, Hershey, PA

MP48 Cross-Sectional and Prospective Associations Between Slow-Wave Sleep and Type 2 Diabetes: The Multi-Ethnic Study of Atherosclerosis

Sina Kianersi, Susan Redline, Brigham and Women's Hosp, Boston, MA; Morgana Mongraw-Chaffin, WAKE FOREST SCHOOL OF MEDICINE, Winston Salem, NC; Tianyi Huang, Harvard Medical Sch, Boston, MA

P02.01 Aging in Older Adults

P300 Peripheral Neuropathy is Associated With All-Cause Mortality Among Older Adults in the Atherosclerotic Risk in Communities Study

Caitlin W Hicks, Johns Hopkins Univ Sch of Med, Baltimore, MD; Dan Wang, Kunihiro Matsushita, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; B Gwen Windham, UMMC, The MIND Ctr, Jackson, MS; Elizabeth Selvin, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD

P301 Diet Quality and Frailty in Israeli Adults 65 Years or Older

Abigail Goshen, Tel Aviv Univ, Tel-Aviv, Israel; Uri Goldbourt, TEL AVIV UNIVERSITY, Tel Aviv, Israel; Yael Benyamini, Tel-Aviv Univ, Tel Aviv, Israel; Tal Shimony, Lital Keinan Boker, Israel Ctr for Disease Control, Israel Ministry of Health, Tel Hashomer, Israel; Yariv Gerber, TEL AVIV UNIVERSITY, Tel Aviv, Israel

P302 Midlife Predictors of Extreme Survival Among Israeli Men: A Nested Case-Control Study

Uri Goldbourt, Yariv Gerber, TEL AVIV UNIVERSITY, Tel Aviv, Israel

P303 Time-Varying Healthy Lifestyle Profile and All-Cause Mortality Among the Oldest-Old in China

Zhengting He, Dept of Epidemiology, Bloomberg Sch of Public Health, Johns Hopkins Univ & Global Health Res Ctr, Duke Kunshan Univ, Baltimore, MD; Siyu Zou, Sch of Public Health, Peking Univ Health Science Ctr, Beijing, China; **Qi Guo**, Harvard TH Chan Sch of Public Health/Duke Kunshan Univ, Boston, MA; Beomhyeok Lee, Global Health Res Ctr, Duke Kunshan Univ, Kunshan, China; Xian Zhang, Global Health Res Ctr, Duke Kunshan Univ, Kunshan, China; Yaxi Li, Global Health Res Ctr, Duke Kunshan Univ & Shanghai Mental Health Ctr, Shanghai Jiao Tong Univ Sch of Med, Kunshan, China; Rundong Hu, Global Health Res Ctr, Duke Kunshan Univ, Kunshan, China; Xiong Ding, Global Health Res Ctr, Duke Kunshan Univ & Sch of Public Health, Wuhan Univ, Kunshan, China; Chaoyun Li, Global Health Res Ctr, Duke Kunshan Univ, Kunshan, China; Xiaoyang Guo, Meta Platforms, Inc., Menlo Park, CA; Lijing L Yan, Global Health Res Ctr, Duke Kunshan Univ & Sch of Public Health, Wuhan Univ, Kunshan, China

P304 Association of Epigenetic Age Acceleration With Cognition in the Bogalusa Heart Study

Zhijie Huang, Tulane, New Orleans, LA; Lydia A Bazzano, TULANE UNIVERSITY, New Orleans, LA; Xiao Sun, Ruiyuan Zhang, Varun Rao, Mengyao Shi, Tulane Univ, New Orleans, LA; Owen Carmichael, Carnegie Mellon Univ, Pittsburgh, PA; Yang pan, Univ of California, Los Angeles, Los Angeles, CA; Xi Cao,

Yizhuo Liu, Tulane Univ, New Orleans, LA; Wei Chen, Tulane Univ, Houston, TX; Jiang He, Changwei Li, Tulane Univ, New Orleans, LA; Tanika N Kelly, TULANE UNIVERSITY, New Orleans, LA

- P305 **Peripheral Neuropathy is Associated With Slow Gait Speed in Older Adults in the Atherosclerosis Risk in Communities Study**
Katherine M McDermott, Johns Hopkins Univ, Baltimore, MD; Dan Wang, Johns Hopkins Univ, Baltimore, MD; Yein Jeon, Johns Hopkins Univ, Baltimore, MD; Laura Skow, Johns Hopkins Univ, Baltimore, MD; B Gwen Windham, UMMC, The MIND Ctr, Jackson, MS; Jennifer Schrack, Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD; Caitlin W Hicks, Johns Hopkins Hosp, Baltimore, MD
- P306 **Life's Essential 8 is Associated With All-Cause and Cardiovascular Disease Mortality Among Community Dwelling Older Men and Women in the InCHIANTI Study of Aging (1998-2020)**
Vivek Sarma, The George Washington Univ Sch of Med & Health Sciences, Washington, DC; Yichen Jin, Milken Inst Sch of Public Health at The George Washington Univ, Washington, DC; Stefania Bandinelli, Azienda USL Toscana Ctr, Florence, Italy; Luigi Ferrucci, Toshiko Tanaka, NIA, Baltimore, MD; Sameera Talegawkar, Milken Inst Schl of Pub Health, Washington, DC
- P307 **Elevated Blood Pressure Accelerates White Matter Brain Aging in Late Middle-Aged Women: A Mendelian Randomization Study in UK Biobank**
Li Feng, Univ of Maryland, College Park, MD; Zhenyao Ye, Shuo Chen, Univ of Maryland, Baltimore, MD; Tianzhou Ma, Univ of Maryland, College Park, MD
- P308 **The Determinants of Fasting and Post-Load Non-Esterified Fatty Acids in Older Adults: The Cardiovascular Health Study**
Yakubu Bene-Alhasan, BIDMC & Medstar Health, Baltimore, MD; David S Siscovick, The New York Acad of Med, New York, NY; Joachim H Ix, Univ of California San Diego, San Diego, CA; Jorge R Kizer, San Francisco VA, San Francisco, CA; Russell Tracy, Univ of California, San Francisco, San Francisco, CA; Luc Djousse, BWH & Harvard Medical Sch, Boston, MA; Ken J Mukamal, BIDMC & Harvard Medical Sch, Brookline, MA
- P309 **Biomarkers of Mitochondrial Dysfunction and Inflammaging in Older Adults and Blood Pressure Variability**
Leonardo Bencivenga, Toulouse Inst of Aging, Toulouse, France; Mathilde Strumia, INSERM 1295, Toulouse, France; Yves Rolland, INSERM 1295, toulouse, France; Sandrine Andrieu, Bruno Vellas, Philippe de Souto Barreto, **Laure Rouch**, INSERM 1295, Toulouse, France
- P310 **Dietary Pattern Associated With Future Better Gait Speed in a Japanese General Population: Tanushimaru Cohort Study**
Nagisa Morikawa, Dept of Internal Med, Div of Cardio-Vascular Med, Kurume Univ Sch of Mediversity Sch of Med, Kurume, Japan; Mika Enomoto, Dept of internal Med, Div of Cardio-Vascular Med, Kurume Univ Sch of Med, Kurume, Japan; Ako Fukami, Dept of Internal Med, Div of Cardio-Vascular Med, Kurume Univ Sch of Med, Kurume, Fukuoka, Japan; Hiromi Sato, Hisashi Adachi, Yoshihiro Fukumoto, Dept of Internal Med, Div of Cardio-Vascular Med, Kurume Univ Sch of Mediversity Sch of Med, Kurume, Japan
- P311 **Lifestyle Factors Substantially Contributed to Urban-Rural Disparity in All-Cause Mortality Among Chinese Adults 65 or Older**
Xiong Ding, Sch of Public Health, Wuhan Univ & Global Heath Res Ctr, Duke Kunshan Univ, wuhan, China; Kehan Su, Global Health Res Ctr, Duke Kunshan Univ, Kunshan, China; **Qi Guo**, Harvard T.H. Chan Sch of Public Health & Global Health Res Ctr, Boston, MA; Shangzhi Xiong, The George Inst for Global Health, Newtown, Australia; Yaxi Li, Global Health Res Ctr, Duke Kunshan Univ & Shanghai Mental Health Ctr, Shanghai Jiao Tong Univ Sch of Med, Kunshan, China; Yikai Ling, Global Health Res Ctr, Duke Kunshan Univ, Kunshan, China; Zhengting He, Dept of Epidemiology, Bloomberg Sch of Public Health, Johns Hopkins Univ & Global Health Res Ctr, Duke Kunshan Univ, Kunshan, China; Xian Zhang, Global Health Res Ctr,

Duke Kunshan Univ, Kunshan, China; Lijing L Yan, Global Health Res Ctr, Duke Kunshan Univ & Sch of Public Health, Wuhan Univ, Kunshan, China

- P312 **Mortality Analysis: The Long-Term Health Benefits of 50-Mile Ultra-Marathon Participation Outweighs the Risks, 1951-1979**
Erin O'Donnell, Colin R Carriker, James M Smoliga, High Point Univ, High Point, NC
- P313 **Characteristics and Patterns of a Middle-Class Australian Cohort With Cardiometabolic Multimorbidity: A Cross-Sectional Study**
Belinda J Parmenter, Kelly McLeod, Matthew Jones, Claire Burley, Xiaoqi Feng, UNSW, Sydney, Australia

P02.02 Cardiometabolic Health and Disorders 2

- P314 **Social Determinants of Cardiovascular Risk Factors Among African Immigrants in New York City**
Ednah N Madu, Adelphi Univ, Garden City, NY; Oluwabunmi Ogungbe, John Hopkins Univ, Baltimore, MD; Hadiza Osuji, New York Univ, New York, NY; GRACE OGIEHOR-ENOMA, Hunter Coll, New York, NY; Chiamaka A. Madu, Adelphi Univ, Garden City, NY; Aichata Bamba, Bronxcare Hosp, Bronx, NY; Yvonne Commodore-Mensah, John Hopkins Univ, Baltimore, MD
- P315 **Depressive Symptoms and Cardiovascular Health Among Young Adults in Puerto Rico**
Milagros C Rosal, UMass Chan Medical Sch, Worcester, MA; Andrea Lopez-Cepero, Emory, Atlanta, GA; Israel Almodovar, Univ of Puerto Rico at Mayaguez, Mayaguez, PR; Catarina Kiefe, UMass Chan Medical Sch, Worcester, MA; Katherine L Tucker, Univ of Massachusetts, Lowell, Lowell, MA; Sharina Person, UMass Chan Medical Sch, Worcester, MA; Jose Rodriguez-Orengo, Cynthia Perez, Univ of Puerto Rico Medical Sciences Campus, San Juan, PR
- P316 **Lower Mortality From Ischemic Heart Disease Associated With Attenuation of Autonomic Dysfunction is Related to Reduction of Sensitivity to Pain at the Chest Bone**
Jens Faber, Herlev-Gentofte Univ Hosp, Herlev, Denmark; Christian Selmer, Copenhagen Univ Hosp Gentofte, Gentofte, Denmark; Finn Gyntelberg, Natl Res Ctr for the Working Environment, Hørsholm, Denmark; Svend Kreimer, Benny Karpatschof, Univ of Copenhagen, Copenhagen, Denmark; Søren Ballegaard, Herlev-Gentofte Hosp, Herlev, Denmark; Aake Hjalmarson, Univ of Gothenburg, Gothenburg, Sweden; Albert Gjedde, Univ of Copenhagen, Copenhagen, Denmark
- P317 **Heterogeneity in Prevalence of Hypertension and Overweight/Obesity Among US-Born and Foreign-Born Latino Subgroups: Evidence From the 2010-2018 National Health Interview Survey**
Sabrina Elias, Abeer Alharthi, Oluwabunmi Ogungbe, Johns Hopkins Univ Sch of Nursing, Baltimore, MD; Ruth-Alma N Turkson-Ocran, Beth Israel Deaconess Medical Ctr, Boston, MA; Chitchanok Benjasirisan, Yvonne Commodore-Mensah, Johns Hopkins Univ Sch of Nursing, Baltimore, MD; Cheryl R Dennison Himmelfarb, Johns Hopkins Univ, Baltimore, MD
- P318 **Life's Essential 8 as a Measure of Cardiovascular Health in the Women's Health Initiative (WHI)**
Eugenia Wong, Sara Jones, Univ of North Carolina at Chapel H, Chapel Hill, NC; Nora Franceschini, UNIVERSITY NORTH CAROLINA, Chapel Hill, NC; Matthew A Allison, Univ of California San Diego, La Jolla, CA; Lorena Garcia, Univ of California Davis, Davis, CA; Sherrie Wise Thomas, Wake Forest Sch of Med, Winston Salem, NC; Aladdin H Shadyab, Univ of California, San Diego, La Jolla, CA; Wayne D Rosamond, Univ of North Carolina, Chapel Hill, NC
- P320 **Adverse Childhood Experiences Are Associated With Greater Adiposity in Midlife Women: Findings From the Prospective Project Viva Cohort**
Nicole Bornkamp, Melissa N Sidote, Harvard Pilgrim Healthcare Inst, Boston, MA; Mingyu Zhang, Harvard Medical Sch, Boston, MA; Amy Nichols, Harvard Pilgrim Healthcare Inst, Boston, MA; Sheryl L Rifas-

Shiman, Harvard Medical Sch and HPHCI, Boston, MA; Marie-France Hivert, HARVARD MEDICAL SCHOOL, Boston, MA; Emily Oken, HPHC Inst, Boston, MA

- P321 **Prevalence of Hypertension Among People Diagnosed With Diabetes in Africa, a Systematic Review and Meta-Analysis**
Thomas Hinneh, Johns Hopkins Univ, BALTIMORE, MD; Samuel Akyirem, Yale Univ, New Haven, CT; Irene Fosuhemaa Bossman, Sch of Health and Life Sciences, Glasgow Caledonian Univ, Glasgow, United Kingdom; Patriot Ofori-Aning, Dept of Med for Older People, Stockport NHS Fndn Trust, Manchester, United Kingdom; Victor Lambongang, American Univ of Barbados, Bridgetown, Barbados; Oluwabunmi V Ogunge, Johns Hopkins Univ, Baltimore, MD; Yvonne Commodore-Mensah, JOHNS HOPKINS SCHOOL OF NURSING, Baltimore, MD
- P322 **Transcriptomic Analysis of Severe Obesity Identifies Novel Genes in Hispanic/Latino Populations With a High Burden of Disease**
Priya Sharma, Univ of North Carolina, Chapel Hill, NC; Hung-Hsin Chen, Vanderbilt Univ Medical Ctr, Nashville, TN; Wanying Zhu, VNU, Nashville, TN; Hannah G. Polikowsky, Univ of Vanderbilt, Nashville, TN; Peter McCormick, Univ of London, London, United Kingdom; Kalypso Karastergiou, ST GEORGES UNIVERSITY OF LONDON, London, MA; Susan Fried, Mount Sinai, New York, NY; Anne E Justice, Geisinger, Danville, PA; Miryoung Lee, UTHealth, Sch of Public Health, Brownsville, TX; Mariaelisa Graff, UNC-CHAPEL HILL, Chapel Hill, NC; Yasser Mohammad, Univ of North Carolina, Chapel Hill, NC; Joseph McCormick, Univ of Texas Health, Brownsville, TX; Susan P Fisher-hoch, UT HOUSTON SCHOOL OF PUBLIC HEALTH, Brownsville, TX; Kari E North, UNC CHAPEL HILL, Chapel Hill, NC; Jennifer Below, VANDERBILT UNIVERSITY MEDICAL CENTER, Nashville, TN
- P323 **Three Year Changes in Adipokine Levels and Metabolic Risk Status: The Atherosclerosis Risk in Communities (ARIC) Study**
Ebenezer K Aryee, Sui Zhang, Bige Ozkan, Johns Hopkins Univ, Baltimore, MD; Erin D Michos, Justin B Echouffo Tcheugui, Johns Hopkins Hosp, Baltimore, MD; Gary Gerstenblith, Roger S Blumenthal, JOHNS HOPKINS HOSPITAL, Baltimore, MD; Josef Coresh, JOHNS HOPKINS SPH WELCH CENTER, Baltimore, MD; Elizabeth Selvin, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Chiadi E Ndumele, JOHNS HOPKINS HOSPITAL, Baltimore, MD
- P324 **Female Reproductive Factors and Risk of Type 2 Diabetes and Cardiovascular Disease Among Women With a History of Gestational Diabetes**
Anna Birukov, Harvard Sch of Public Health, Boston, MA; Marta Guasch, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA; Deirdre K Tobias, Brigham and Womens and Harvard Med, Boston, MA; Sylvia H Ley, Tulane Univ Sch of Public, New Orleans, LA; Clemens Wittenbecher, Harvard Sch of Public Health, Boston, MA; Jiayi Yang, Natl Univ of Singapore, Singapore, Singapore; Joann E Manson, Brigham and Women's Hosp, Boston, MA; Jorge Chavarro, Harvard Sch of Public Health, Boston, MA; Frank B Hu, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA; Cuilin Zhang, Natl Insts of Health, Bethesda, MD
- P325 **Adverse Clinical Outcomes in Non-Alcoholic Fatty Liver Disease Patients Admitted With Heart Failure and Chronic Kidney Disease**
Leonid Khokhlov, Amr Aboelnasr, Leanne Pereira, TriHealth, Cincinnati, OH; Michael Fatuyi, TriHealth Good Sam Hosp, Cincinnati, OH; Mehnaaz Ali, Fatima Hussain, TriHealth, Cincinnati, OH; Amanda Brown, Lincoln Memorial Univ, Harrogate, TN; Kamal Shemisa, TriHealth, CINCINNATI, OH
- P326 **Higher Mortality and Risk for Cardiogenic Shock in Patients With Diabetes Mellitus and Atrial Fibrillation Affected by Pulmonary Hypertension**
Leonid Khokhlov, Amr Aboelnasr, Fatima Hussain, Mehnaaz Ali, TriHealth, Cincinnati, OH; Michael Fatuyi, TriHealth Good Sam Hosp, Cincinnati, OH; Leanne Pereira, TriHealth, Cincinnati, OH; Kamal Shemisa, TriHealth, CINCINNATI, OH

P02.03 Cardiometabolic Risk Prediction 1

- P327 Device-Measured Sedentary Behavior and Risk of 1-Year Hospital Readmission After Suspected Acute Coronary Syndrome**
Benjamin D. Boudreaux, Chang Xu, Gabriel Sanchez, Margaret Murdock, Gaspar Cruz, Ammie Jurado, Andrea T Duran, Ian M Kronish, Donald Edmondson, Keith Diaz, Columbia Univ Irving Medical Ctr, New York, NY
- P328 Higher Intake of Dietary Cholesterol Was Associated With Increased Risk of Myocardial Infarction in the Million Veteran Program**
Shamlan Sheikh, VA Boston Healthcare System, BWH AND HARVARD MED SCHOOL, Boston, MA; Xuan-Mai Nguyen, VA Boston healthcare system, Champaign, IL; Yanping Li, HARVARD UNIVERSITY, Boston, MA; Kerry L Ivey, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA; John M Gaziano, VA Boston healthcare system, Boston, MA; Luc Djousse, BWH AND HARVARD MED SCHOOL, Boston, MA
- P329 Eicosanoids and Heart Failure Risk in the Atherosclerosis Risk in Communities (ARIC) Study**
Ngoc Quynh Nguyen, Yueh-Ning Yang, Univ of Texas Health Science, Houston, TX; Mona Alotaibi, PCCM UCSD, La Jolla, CA; Huaizhu Wu, BAYLOR COLLEGE OF MEDICINE, Houston, TX; Ron C Hoogeveen, BAYLOR COLLEGE MEDICINE, Houston, TX; Christie M Ballantyne, BAYLOR COLLEGE MEDICINE, Houston, TX; Amil M Shah, BRIGHAM AND WOMEN S HOSPITAL, Boston, MA; Tao Long, Sapient Bioanalytics, San Diego, CA; Mohit Jain, Univ. of California - San Diego, La Jolla, CA; Susan Cheng, Cedars-Sinai Medical Ctr, Los Angeles, CA; Bing Yu, UNIV OF TX HEALTH SCI CTR HOUSTON, Houston, TX
- P330 Effect of Randomized Omega-3 Treatment on Downstream Bioactive Lipids and Their Association With Incident Cardiovascular Disease Events: Metabolomic Studies of the Vital and Jupiter Trials**
Olga Demler, Brigham and Women's Hosp, Boston, MA; Yanyan Liu, Brigham and Womens Hosp, Boston, MA; Mona Alotaibi, UCSD, San Diego, CA; Rosangela Hoshi, Franco Giulianini, Brigham and Womens Hosp, Boston, MA; Heike Gibson, Harvard Sch of Public Health, Boston, MA; Jeramie Watrous, UCSD, La Jolla, CA; Nancy R Cook, Brigham and Womens Hosp, Boston, MA; Karen Costenbader, Brigham and Women's Hosp, Boston, MA; Olivia Okereke, Mass General Brigham, Boston, MA; Robert Glynn, Brigham and Women's Hosp, Boston, MA; Paul M Ridker, Brigham and Womens Hosp, Boston, MA; Joann E Manson, Brigham and Women's Hosp, Boston, MA; Susan Cheng, Cedars-Sinai Medical Ctr, Los Angeles, CA; Daniel Chasman, Brigham and Womens Hosp, Boston, MA; Mohit Jain, UCSD, La Jolla, CA; Samia Mora, Brigham and Womens Hosp, Boston, MA
- P331 Higher Allostatic Load Score is Associated With Early Cardiovascular Risk in Young South Africans. The AfricanPREDICT Study**
Annemarie Wentzel, Ruan Kruger, Wayne Smith, Esme Jansen van Vuren, Hypertension in Africa Res Team (HART), North-West Univ., Potchefstroom, South Africa; Aruba Chowdry, Natl Inst of Diabetes, Digestive and Kidney Diseases (NIDDK), Natl Insts of Health (NIH), Bethesda, MD; Edmond Wonkamtingang, Niel A Hanchard, Natl Human Genome Res Inst (NHGRI), NIH, Bethesda, MD; Stephanie T Chung, Natl Inst of Diabetes, Digestive and Kidney Diseases (NIDDK), Natl Insts of Health (NIH), Bethesda, MD
- P332 Duration of Diabetes and Risk of Multiple Cardiovascular Disease Outcomes**
Shannon C Anderson, The Johns Hopkins Hosp, Baltimore, MD; Chiadi E Ndumele, JOHNS HOPKINS HOSPITAL, Baltimore, MD; Sui Zhang, Olive Tang, The Johns Hopkins Hosp, Baltimore, MD; Carine Hamo, Johns Hopkins Univ, Baltimore, MD; Erin D Michos, The Johns Hopkins Hosp, Clarksville, MD; Christie M Ballantyne, BAYLOR COLLEGE MEDICINE, Houston, TX; Josef Coresh, JOHNS HOPKINS SPH WELCH CENTER, Baltimore, MD; Elizabeth Selvin, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Justin B

Echouffo Tcheugui, Johns Hopkins Hosp, Baltimore, MD; James Pankow, The Johns Hopkins Hosp, Baltimore, MD

- P333 **Asian-Specific BMI Cutoffs as a Predictor for Mortality Risk**
Nhan Nguyen, Amin Sajjadian, Gaël Cruanes, Adrian Bacong, Stanford Univ Sch of Med, Stanford, CA; Armaan Jamal, Johns Hopkins Univ, Baltimore, MD; Malathi Srinivasan, Robert J Huang, Gloria S Kim, Latha Palaniappan, Karina Kim, Stanford Univ Sch of Med, Stanford, CA; Eugene Yang, Univ of Washington, Seattle, WA; Tali Elfassy, Univ of Miami, Miami, FL
- P334 **N-terminal Pro B-type Natriuretic Peptide Improves Stratification of Cardiovascular Disease and Specifically Stroke Risk in South Asians**
Ayesha Ahmed, Univ Coll London, Dept. of Primary Care and Population Health, London, United Kingdom; Snehal Pinto Pereira, Univ Coll London, Dept of Targeted Intervention, London, United Kingdom; Therese Tillin, Univ Coll London, MRC Unit for Lifelong Health and Ageing, London, United Kingdom; Goya Wannamethee, Univ Coll London, Dept. of Primary Care and Population Health, London, United Kingdom
- P335 **Prognostic Cut Point of Fasting Insulin in Apparently Healthy Young Adults for the Development of Future Cardiovascular Disease**
Joshua Garza, Texas Tech Univ Health Sciences Ctr El Paso, El Paso, TX; Alok Dwivedi, Texas Tech Univ Health Scienc, El Paso, TX; **David P Cistola**, Texas Tech Univ HSC El Paso, El Paso, TX
- P336 **Early Metabolic Imbalance in Young Adults is a Hidden Risk Factor for Midlife Cardiovascular Disease: CARDIA 35-year Follow Up** **David P Cistola**, Alok K. Dwivedi, Texas Tech Univ Hlth Sci Cntr El Paso, El Paso, TX
- P337 **Determinants and Influence of Breast Arterial Calcifications on Risk of Cardiovascular Disease**
Shadi Azam, Rulla Tamimi, Weill Cornell Med, NY, NY; Michele Drotman, Weil Cornell Med, New York, NY; Kemi Babagbemi, Allison Levy, Jessica Pena, Weill Cornell Med, New York, NY
- P338 **Circulating microRNA-19 and Cardiovascular Risk Reduction in Response to Weight-Loss Diets: The Preventing Overweight Using Novel Dietary Strategies (Pounds Lost) Trial**
Qiaochu Xue, Tulane Univ, New Orleans, LA; Yoriko Heianza, TULANE UNIVERSITY, New Orleans, LA; Xiang Li, Tulane Univ, New Orleans, LA; Xuan Wang, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA; Hao Ma, Tulane university, Metairie, LA; Minghao Kou, Tulane Univ, New Orleans, LA; Jennifer Rood, Pennington Biomedical Res Cent, Baton Rouge, LA; George Bray, Pennington Res Inst, Baton Rouge, LA; Frank M Sacks, Harvard T.H. Chan Sch of Public Health, Concord, MA; Lu Qi, TULANE UNIVERSITY, New Orleans, LA
- P339 **The Clinical Application and Ancestral Diversity of Cardiometabolic Polygenic Risk Scores**
Jobanjit S Phulka, Mishal Ashraf, Beenu K Bajwa, The Univ of British Columbia, Vancouver, BC, Canada; Guillaume Pare, McMaster Univ, Hamilton, ON, Canada; Zachary Laksman, The Univ of British Columbia, Vancouver, BC, Canada
- P340 **Development and Delivery of an Effective 16-week HealthEYou Program to Mitigate Metabolic Disease Risk Factors**
Talya E Geller, Svetlana Nepocatych, Elizabeth Bailey, Elon Univ, Elon, NC
- P341 **A Flexible, Interpretable Approach to Recalibrate Risk Prediction Models: Adapting the Pooled Cohorts Equation to a Local New England Contemporary Population**
Aniket N Zinzuwadia, Harvard Medical Sch, Boston, MA; Olga Mineeva, ETH Zurich, Zurich, Switzerland; Chunying Li, Lin Chen, Brian Cade, Elizabeth Karlson, Brigham & Women's Hosp, Boston, MA; Zareen Farukhi, Brigham and Womens Hosp, Boston, MA; Nina Paynter, BRIGHAM AND WOMENS HOSPITAL,

Boston, MA; Samia Mora, Brigham & Women's Hosp, Boston, MA; Olga Demler, Brigham and Women's Hosp, Boston, MA

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- P342 **Periodontal Disease is Associated With Elevated Prediabetes Prevalence and Glucose Levels Among Non-Diabetic Adults. Results From Oral Infections, Glucose Intolerance and Insulin Resistance Study**
Hamdi S Adam, Rebecca L Molinsky, Univ of Minnesota, Minneapolis, MN; Sumith Roy, Michael Rosenbaum, Columbia Univ, New York City, NY; Bruce Paster, The Forsyth Inst, Cambridge, MA; Melana Yuzefpolskaya, Columbia Univ Medical Ctr, New York, NY; Paolo C Colombo, Columbia Univ, New York, NY; Panos N. Papapanou, Columbia Univ, New York City, NY; Moise Desvarieux, Columbia Univ, New York, NY; David R Jacobs Jr., Ryan T. Demmer, Univ of Minnesota, Minneapolis, MN
- P343 **Do Foot Problems in Diabetes Portend Serious Consequences? Calibrating Risk by Comparing Mortality With Cardiovascular Disease Categories**
Issa Zahrieh, Andrew Nicholson, Nicholas Illenberger, New York Univ, New York, NY; Stuart Roger Lipsitz, Brigham and Women's Hosp, Boston, MA; Sundar Natarajan, New York Univ, New York, NY
- P344 **Trends and Disparities in Lifestyle Quality Among US Adults With Diabetes**
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- P345 **Physical Activity and Cardiorespiratory Fitness Among Adolescents With Type 1 and Type 2 Diabetes: A Systemic Review and Meta-Analysis**
Hannah Steiman De Visser, Children's Hosp Res Inst of Manitoba, Winnipeg, MB, Canada; Isaak Douglas Fast, CHRIM, Winnipeg, MB, Canada; Edward Arevalo, Children's Hosp Res Inst of Manitoba, Winnipeg, MB, Canada; Nicole Askin, Univ of Manitoba, Winnipeg, MB, Canada; Jonathan McGavock, Children's Hosp Res Inst of Manitoba, Winnipeg, MB, Canada
- P346 **Adherence to the French Dietary Guidelines and Type 2 Diabetes Risk: The E3n-Epic Prospective Cohort Study**
Daouda Seck, Sanam Shah, Paris-Saclay Univ, UVSQ, Univ Paris-Sud, Inserm U1018, Gustave Roussy, "Exposome and Heredity" Team, CESP, Villejuif, France; Bamba Gaye, INSERM U970, PARCC, Paris, France; Nasser LAOUALI, Paris-Saclay Univ, UVSQ, Univ Paris-Sud, Inserm U1018, Gustave Roussy, "Exposome and Heredity" Team, CESP, Villejuif, France
- P347 **Measures of Microvascular Complications Varies Across Racial/Ethnic Groups Over a Seven Year Period: Post-Hoc Analysis of Action to Control Cardiovascular Risk in Diabetes (ACCORD) Trial Data**
Kaustubh Parab, Gao Xiaotian, Neha Gothe, Kenneth Wilund, Univ of Illinois at Urbana-Champaign, Champaign, IL; Chelsea R Singleton, Tulane Univ, New Orleans, LA

- P348 **Association of Social Determinants of Health and Hypertension and Diabetes Among Middle Eastern Immigrants in the United States: Evidence From the 2010-2018 National Health Interview Survey**
Abeer Alharthi, Oluwabunmi Ogungbe, Johns Hopkins Univ, Baltimore, MD; Sabrina de Souza Elias, Johns Hopkins Sch of Nursing, Baltimore, MD; Faith Metlock, Thomas Hinneh, Suratsawadee Kruahong, Johns Hopkins Univ, Baltimore, MD; Cheryl R Dennison Himmelfarb, JOHNS HOPKINS UNIV, Baltimore, MD; Yvonne Commodore-Mensah, JOHNS HOPKINS SCHOOL OF NURSIN, Baltimore, MD
- P349 **Predictive Value of Long-Term Systolic Blood Pressure Variability for the Development of Type 2 Diabetes Mellitus**
Hiroshi Yatsuya, Zean Song, Young-Jae Hong, Razib Mamun, Yuko Yoshida, Tahmina Akter, Gabriel Nuamah, Rina Tajima, Jingyi Lin, Abubakr Al-shoaibi, Chifa Chiang, Yoshihisa Nakano, Nagoya Univ, Grad Sch of Med, Nagoya, Japan; Yuanying Li, Masaaki Matsunaga, Atsuhiko Ota, Fujita Health Univ, Toyoake, Japan; Koji Tamakoshi, Nagoya Univ, Grad Sch of Med, Nagoya, Japan
- P350 **Modifiable Features of a Group Weight Loss Program: The Patient Perspective**
Alice Pressman, Sutter Health, Walnut Creek, CA; Qiwen Huang, Nina Szweringi, Sutter Health, Palo Alto, CA; Robert Romanelli, Sutter Health, London, United Kingdom; Catherine Nasrallah, Sylvia Sudat, Sutter Health, Walnut Creek, CA; Kristen M Azar, Sutter Health Res, Palo Alto, CA
- P351 **Prevalence of Diabetes in a Sub-Saharan African Community**
Daouda Niassy, Ibrahima Bara Diop, Audrey Geoffroy, Awa Ba, The African Res Network non communicable diseases, Dakar, Senegal; Mor Diaw, IRL3189 Environnement, santé, sociétés CNRS/UCAD Dakar, Dakar, Senegal; Mame Awa Sene, The African Res Network non communicable diseases, Dakar, Senegal; Gabriel S Tajeu, Temple Univ, Philadelphia, PA; Abdoulaye SAMB, Lab of Physiology and Functional Exploration, FMPO, UCAD, Dakar (Senegal)., Dakar, Senegal; Sidy Mohamed Seck, Dept of Nephrology/Internal Med, Faculty of Health Sciences, Univ Gaston Berger of Saint-Louis, Route de Ngallele, BP 234, Sanar, Saint-Louis, Senegal; Xavier Jouven, The African Res Network non communicable diseases, Senegal, Senegal; Bamba Gaye, INSERM U970, PARCC, Paris, France
- P352 **A Review of Trials Designed to Achieve Diabetes Remission With Lifestyle Intervention Alone: Implications for Sub-Saharan Africa**
Jean de Dieu Gatete, Partners in Health, Kigali, Rwanda; M. Grace Duhuze Karera, Annemarie Wentzel, NATIONAL INSTITUTES OF HEALTH, Bethesda, MD; MC Sage Ishimwe, Univ of Global Health Equity, Kigali, Rwanda; Ram Jagannathan, Emory Univ, Decatur, GA; Margrethe Horlyck-Romanovsky, Brooklyn Coll, Brooklyn, NY; Anne E Sumner, NATIONAL INSTITUTES OF HEALTH, Bethesda, MD

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- P353 **Association of United States Nativity With Cardiovascular Health Among Race and Ethnic Groups**
Michael M Hammond, Northwestern Univ, Evanston, IL; Cheryl Mensah, Northwestern Univ, Chantilly, VA; Ruth-Alma N Turkson-Ocran, Beth Israel Deaconess Medical Ctr, Boston, MA; Sadiya S Khan, Northwestern Univ, Oak Park, IL; Nilay S Shah, Northwestern Univ, Chicago, IL
- P354 **Trends in Malignancy and Cardiovascular Disease Related Mortality in the United States**
Ramzi Ibrahim, Univ of Arizona, Tucson, AZ; **Soumiya Ravi**, Univ of Arizona Tucson, Tucson, AZ; Mohammed Salih, The Heart Hosp Baylor Plano, Plano, TX; Adam Habib, Abdulla Alabagi, Vikram Singh, Simar Singh, Jonathan Ferng, Univ of Arizona Tucson, Tucson, AZ; Justin Z Lee, Cleveland Clinic, Cleveland, OH
- P355 **Examining Sexual Identity Differences in Self-Measured Blood Pressure Monitoring Among Adults in the Behavioral Risk Factor Surveillance System**

Danny Doan, Columbia Univ, Westminster, CA; **Anisha Bhargava**, Columbia Univ, NY, NY; **Yashika Sharma**, Billy A Caceres, Columbia Univ, New York, NY

P356 Does Out-Migration Contribute to Poorer Health in Rural Communities? An Investigation Using Mortality in the US

Rebecca E Jones-Antwi, Emory Univ, Atlanta, GA; **Suzanne E Judd**, UAB, Birmingham, AL; **Solveig Argeseanu Cunningham**, Emory Univ, Atlanta, GA

P357 Gender Disparities in Utilization of Statins in Patients With Cancer and Atherosclerotic Cardiovascular Disease: Results From Houston Methodist Learning Health System Outpatient Registry

Izza Shahid, Houston Methodist Academic Inst, Houston, TX; **Roshni Mandania**, Houston Methodist Hosp, Houston, TX; **Rakesh Gullapelli**, Houston Methodist, HOUSTON, TX; **Eleonora Avenatti**, Nihan Farooq, Jorge Carrasco Avila, Aayush Shah, Houston Methodist Hosp, Houston, TX; **Sherif F Nagueh**, THE METHODIST HOSPITAL, Houston, TX; **Maan Malahfji**, Jenny Chang, Houston Methodist Hosp, Houston, TX; **Khurram Nasir**, Houston Methodist, Houston, TX

P358 Racial Differences in Determinants and Timing of Dropout From an Exercise Intervention: The STRRIDE Trials

Katherine A Collins, Kim M. Huffman, Duke Univ Sch of Med, Durham, NC; **Ruth Q. Wolever**, Vanderbilt Univ Sch of Med, Nashville, TN; **Patrick J. Smith**, Univ of North Carolina at Chapel Hill Sch of Med, Chapel Hill, NC; **Ilene C. Siegler**, Leanna M Ross, Duke Univ Sch of Med, Durham, NC; **John M Jakicic**, Univ of Kansas Medical Ctr, Kansas City, KS; **Paul T. Costa**, William E Kraus, Duke Univ Sch of Med, Durham, NC

P359 Long-Term Exposure to Neighborhood Poverty Throughout Midlife and Subclinical Cardiovascular Disease Burden in Subsequent Years: The Study of Women's Health Across the Nation

Mary D Schiff, Emma Barinas-Mitchell, Maria Brooks, Christina Mair, Dara Mendez, Univ of Pittsburgh, Pittsburgh, PA; **Ashley Naimi**, Emory Univ, Atlanta, GA; **Alexis Reeves**, Stanford Univ, Palo Alto, CA; **Monique Hedderson**, Kaiser Permanente Northern California, Oakland, CA; **Imke Janssen**, Rush Univ Medical Ctr, Chicago, IL; **Anthony Fabio**, Univ of Pittsburgh, Pittsburgh, PA

P360 Social and Psychosocial Determinants of Racial and Ethnic Differences in Cardiovascular Health: The MESA and MASALA Studies

Nilay S Shah, Xiaoning Huang, Lucia Petito, Northwestern Univ, Chicago, IL; **Michael Bancks**, Wake Forest Sch of Med, Winston Salem, NC; **Alka M Kanaya**, UCSF, San Francisco, CA; **Sameera Talegawkar**, Milken Inst Schl of Pub Health, Washington, DC; **Saaniya Farhan**, Thomas Jefferson Univ, Philadelphia, PA; **Mercedes R Carnethon**, NORTHWESTERN UNIVERSITY, Chicago, IL; **Donald Lloyd-Jones**, Northwestern Univ, Chicago, IL; **Norrina B Allen**, Namratha Kandula, NORTHWESTERN UNIVERSITY, Chicago, IL; **Sadiya S Khan**, Northwestern Univ, Oak Park, IL

P361 Cardiovascular Health in South Asian American Adults in the MASALA Study: Updated Metrics Using the Life's Essential 8 Definitions

Nilay S Shah, Northwestern Univ, Chicago, IL; **Bridget M Hussain**, New York Univ, New York, NY; **Sameera Talegawkar**, Milken Inst Schl of Pub Health, Washington, DC; **Yichen Jin**, George Washington Univ, Washington, DC; **Namratha Kandula**, NORTHWESTERN UNIVERSITY, Chicago, IL; **Alka M Kanaya**, UCSF, San Francisco, CA

P362 Racial Disparities in Cardiovascular Disease Mortality: Mediation by Socioeconomic Factors and Statin Use (The ELSA-Brasil Study)

Aline Pedroso-Camargos, Fed. Univ of Sao Joao del-Rei, Divinopolis, Brazil; **Luisa C Brant**, Antonio L Ribeiro, Luana Giatti, Lidyane V Camelo, Maria de Fatima H Diniz, Fed. Univ of Minas Gerais, Belo Horizonte, Brazil; **Sandhi M Barreto**, Medical Sch & Clinical Hosp/Fed. Univ of Minas Gerais, Belo Horizonte, Brazil; **Roberta C Figueiredo**, Fed. Univ of Sao Joao del-Rei, Divinopolis, Brazil

- P363 **Knowledge of COVID-19-Related Risk Factors and Conditions Among Asian American, Native Hawaiian, and Pacific Islander Adults, February-April 2022**
Lan N Doan, Laura Wyatt, NYU Grossman Sch of Med, New York, NY; Jin Park, Harvard Medical Sch, Boston, MA; Simona C. Kwon, NYU Grossman Sch of Med, New York City, NY; Stella S. Yi, NYU Grossman Sch of Med, New York, NY
- P364 **Healthcare Utilization Among Asian, African, and Latino Immigrants With Hypertension or Diabetes in the 2010-2018 National Health Interview Survey**
Chinenye C Azoba, The Johns Hopkins Univ Sch of Med, Baltimore, MD; Ruth-Alma N Turkson-Ocran, Beth Israel Deaconess Medical Ctr, Boston, MA; Yvonne Commodore-Mensah, The Johns Hopkins Univ Sch of Nursing, Baltimore, MD

P02.06 Health Services Research, Outcomes and Practice Improvement

- P365 **Number of Beds and Volume of Patients Correlates With Increased Uptake of Novel Cardiovascular Medications in the Veterans Affairs System**
Taufiq Salahuddin, Univ of Washington, Seattle, WA; Annika Hebbe, Marguerite Daus, Rocky Mountain Regional VA, Aurora, CO; Carol Simons, VA Puget Sound Healthcare System, Seattle, WA; Heather Gilmartin, Veterans Affairs, Vail, CO; Jacob A Doll, VA Puget Sound Healthcare System, Seattle, WA
- P366 **Enrollment in Medicare Managed Care Plan is Associated With Higher Adherence to Anti-Hypertensive Drugs**
Donglan Zhang, NYU Long Island Sch of Med, Mineola, NY; Jianing Xu, Daniel Hall, Xianyan Chen, Univ of Georgia, Athens, GA; Jasmin Divers, NYU Langone Health, Mineola, NY; Jingkai Wei, Univ of South Carolina, Columbia, SC; Janani Rajbhandari-Thapa, Henry Young, Univ of Georgia, Athens, GA
- P367 **Automated Outreach to Improve Statin Initiation and Follow-Up of Lipid Panels Among Patients With High LDL-C**
Matthew T. Mefford, Kaiser Permanente, Pasadena, CA; Hui Zhou, Kaiser Permanente Southern California, Pasadena, CA; Mengnan Zhou, Hananeh Derakhshan, Kaiser Permanente, Pasadena, CA; Teresa N Harrison, KAISER PERMANENTE SOUTHERN CA, Pasadena, CA; Mara Rojas, Kaiser Permanente, Pasadena, CA; Michael H Kanter, Kaiser Permanente Sch of Med, Pasadena, CA; Ronald D Scott, Kaiser Permanente, Los Angeles, CA; Tracy Imley, Kaiser Permanente Southern California, Pasadena, CA; Mark Sanders, Kaiser Permanente Sch of Med, Los Angeles, CA; Royann Timmins, Kristi Reynolds, Kaiser Permanente Southern California, Pasadena, CA
- P369 **Using Machine Learning to Predict Unplanned Readmission Due to Cardiovascular Disease Among Hospitalized Patients With Cancer**
Chanhyun Park, Sola Han, The Univ of Texas at Austin, Austin, TX; Boon Peng Ng, Univ of Central Florida, Orlando, FL
- P370 **Implicit Bias Among Vascular Surgeons**
Corey A Kalbaugh, Indiana Univ, Bloomington, IN; Kerry Howard, Clemson Univ, Clemson, SC; Brian Witrick, West Virginia Univ, Morgantown, WV
- P371 **Estimating Cost-Effectiveness of Exercise Based Cardiac Rehabilitation for Older Patients With Atrial Fibrillation**
Romil Parikh, Univ of Minnesota Sch of Public Health, Minneapolis, MN; Viraj Shah, Ocean Univ Medical Ctr, Merrick, NY; Prachi Patel, Holy Family Univ, Philadelphia, PA; Ashwin Pillai, Rajeev Salunke, Nishka Shetty, Univ of Connecticut Health Ctr, Farmington, CT; Radhika Parikh, Bristol Hospital, Bristol, CT; Tapan Mehta, Ayer Neuroscience Inst, Hartford, CT

- P372 **Drivers of Visit Modality in Primary Care Clinics at an Academic Medical Center**
Vijaya Parameswaran, Stanford Univ, Palo Alto, CA; Harrison Koos, Stanford Univ, Santa Cruz, CA; Rika Bajra, Elise Cheng Torres, Stanford Univ, Palo Alto, CA; Neil M Kalwani, Stanford Univ, San Carlos, CA; Lubna Qureshi, Leah Rosengaus, Stanford Healthcare, Palo Alto, CA; David Scheinker, Stanford Univ, Stanford, CA; Phillip Cola, Case Western Reserve Univ, Cleveland, OH; Rajesh Dash, STANFORD UNIVERSITY, Stanford, CA; Kurt Stange, Kalle Lyytinen, Case Western Reserve Univ, Cleveland, OH; Christopher Sharp, Stanford Healthcare, Palo Alto, CA
- P373 **Health Care Access and Usage Patterns Among Native Americans: The Strong Heart Study**
Valarie Jernigan, Oklahoma State Univ, Tulsa, OK; Elisa T Lee, Univ. of Oklahoma HSC, Oklahoma City, OK; Jeunliang Yeh, The Univ of Oklahoma Health Sciences Ctr, Oklahoma City, OK; Richard R Fabsitz, Missouri Breaks Industries Res Inc., Fairfax, VA; Barbara V Howard, MEDSTAR HEALTH AND GEORGETOWN U, Bonita Spgs, FL; **Ying Zhang**, The Univ of Oklahoma Health Sciences Ctr, Oklahoma City, OK
- P374 **Perception of Short-Term and Lifetime Risk of Atrial Fibrillation: A Survey of American Heart Association Members**
Favel L Mondesir, Boston Univ, West Roxbury, MA; Alistair Thorpe, Univ of Utah, Salt Lake City, UT; GerMya Bradley, Emory Univ, Atlanta, GA; Mellanie True Hills, StopAfib.org, Greenwood, TX; Yvette Cozier, Boston Univ, Boston, MA; Darae Ko, Boston Univ Sch of Med, Newtonville, MA; Jelena Kornej, Boston Univ Medical Ctr, Boston, MA; Steven A Lubitz, MASSACHUSETTS GENERAL HOSPITAL, Boston, MA; Christopher D Anderson, Brigham and Women's Hosp, Boston, MA; Emelia J Benjamin, BOSTON UNIVERSITY SCHOOL MEDICINE, Brookline, MA; Angela Fagerlin, Univ of Utah, Salt Lake City, UT; Ludovic Trinquart, Tufts Medical Ctr, Boston, MA
- P375 **Envisioning an “Ideal State” for Hypertrophic Cardiomyopathy — Patients and Health Care Professionals Discuss Steps to Improve Guideline-Directed Diagnosis and Treatment**
Nicole Gonzalez, American Heart Association, Washington, DC; Kylie Picou, American Heart Association, Dallas, TX

P02.07 HERN (Health Equity Research Network)

- P376 **Home Blood Pressure Telemonitoring Linked With Community Health Workers to Improve Blood Pressure: The LINKED-BP Program**
Yvonne Commodore-Mensah, Xiaoyue Liu, Oluwabunmi Ogungbe, JOHNS HOPKINS SCHOOL OF NURSING, Baltimore, MD; Chidinma Adanna Ibe, Johns Hopkins Univ, Baltimore, MD; Sharon Moyo-Songonuga, JOHNS HOPKINS SCHOOL OF NURSING, Baltimore, MD; Johnitta Amihere, Johns Hopkins Sch of Nursing, Baltimore, MD; Margaret Mensa, Tye Lane, JOHNS HOPKINS SCHOOL OF NURSING, Baltimore, MD; Seth S Martin, JOHNS HOPKINS HOSPITAL, Baltimore, MD; Deidra Crews, Johns Hopkins Sch of Med, Baltimore, MD; Lisa A Cooper, JOHN HOPKINS UNIV SCH OF MEDICINE, Baltimore, MD; Cheryl R Dennison Himmelfarb, JOHNS HOPKINS UNIV, Baltimore, MD
- P377 **The Restore Health Equity Research Network: An American Heart Association-Funded Initiative to Prevent Hypertension in Black Communities**
Tanya M Spruill, NYU GROSSMAN SCHOOL OF MEDICINE, New York, NY; Paul Muntner, UNIVERSITY ALABAMA BIRMINGHAM, Birmingham, AL; Daichi Shimbo, COLUMBIA UNIVERSITY, New York, NY; Lisa A Cooper, JOHN HOPKINS UNIV SCH OF MEDICINE, Baltimore, MD; Andrew E Moran, COLUMBIA UNIVERSITY, New York, NY; Kirsten Bibbins-Domingo, Joanne Penko, UNIVERSITY OF CALIFORNIA SAN FRANCISCO, San Francisco, CA; Chidinma Adanna Ibe, Johns Hopkins Univ, Baltimore, MD; Ijeoma Opara, Wayne State Univ Sch of Med, Detroit, MI; George Howard, SCHOOL PUBLIC HEALTH, Birmingham, AL; Brandon K Bellows, Columbia Univ, New York, NY; Nancy

Molello, Katherine Dietz, Deven Brown, Johns Hopkins Univ, Baltimore, MD; Collin Popp, Alexis Bartelloni, Gbenga Ogedegbe, NYU GROSSMAN SCHOOL OF MEDICINE, New York, NY

- P378 **Design of the Equity in Prevention and Progression of Hypertension by Addressing Barriers to Nutrition and Physical Activity (EPIPHANY) Study: A Cluster Randomized Trial**
Shakia T Hardy, Lanisha Hall, Lonnie Hannon, Andrea Cherrington, Univ of Alabama at Birmingham, Birmingham, AL
- P379 **Groceries for Black Residents of Boston to Stop Hypertension (GoFresh): A Randomized Clinical Trial**
Ruth-Alma N Turkson-Ocran, Beth Israel Deaconess Medical Ctr/ Harvard Medical Sch, Boston, MA; Emily L Aidoo, Beth Israel Deaconess Medical Ctr, Boston, MA; Noelle Castilla-Ojo, Harvard Medical Sch, Boston, MA; Jennifer Cluett, BIDMC-Harvard Medical Sch, Boston, MA; Deidra Crews, Johns Hopkins Sch of Med, Baltimore, MD; Roger Davis, Beth Israel Deaconess Medical Ctr/Harvard Medical Sch, Boston, MA; Marwa Elborki, Marwa Elborki, Brookline, MA; Kayla Ferro, Beth Israel Deaconess Medical Ctr, Boston, MA; Stephanie L. Fitzpatrick, CENTER FOR HEALTH RESEARCH KPNW, Portland, OR; Ben Grobman, Harvard Medical Sch, Boston, MA; Norah Ismail, Beth Israel Deaconess Medical Ctr, Boston, MA; Anika L Hines, Virginia Commonwealth Univ, Richmond, VA; Kristen Kraemer, Beth Israel Deaconess Medical Ctr, Boston, MA; Fredrick Larbi Kwabong, Beth Israel Deaconess Medical Ctr/ Harvard Medical Sch, Boston, MA; Edgar R Miller II, JOHNS HOPKINS MEDICAL INSTITUTIONS, Baltimore, MD; Ken J Mukamal, BETH ISRAEL DEACONESS MEDICAL CTR, Brookline, MA; Reva Seager, Beth Israel Deaconess Medical Ctr, Boston, MA; Stephen P Juraschek, BIDMC-Harvard Medical Sch, Boston, MA
- P380 **Linkage, Empowerment, and Access to Prevent Hypertension: A Novel Program to Prevent Hypertension and Reduce Cardiovascular Health Disparities in Detroit Michigan**
Ijeoma Opara, Robert D Brook, Michael J Twiner, Katee Dawood, Wayne State Univ Sch of Medicin, Detroit, MI; Phillip D Levy, WAYNE STATE UNIVERSITY IBIO, Detroit, MI

P02.08 Hypertension

- P381 **Factor VIII and Incident Hypertension in Black and White Adults: The REasons for Geographic and Racial Differences in Stroke (REGARDS) Cohort Study**
Eric Stoutenburg, Univ of Vermont, Burlington, VT; Sarah Sherman, Tulane Univ SOM, New Orleans, LA; Maria Cristina Bravo, Univ of Vermont, Burlington, VT; Virginia J Howard, UNIVERSITY OF ALABAMA-BIRMINGHAM, Birmingham, AL; Debora Kamin Mukaz, Univ of Vermont, Colchester, VT; Mary Cushman, UNIVERSITY VERMONT, Colchester, VT; Neil Zakai, Univ of Vermont, Burlington, VT; Suzanne E Judd, UAB, Birmingham, AL; Tim B Plante, Univ of Vermont, Colchester, VT
- P382 **Blood Pressure Outcomes After 12 Months in Primary Care: A Prospective Cohort Study in Electronic Health Records Using Propensity Score Matching for Remote Patient Monitoring for Hypertension**
Lucia Petito, Ji Young Lee, Yaw Pehrah, Northwestern Univ, Chicago, IL; Lauren Anthony, Northwestern Memorial Healthcare, Chicago, IL; Jim Li, Omron Healthcare, Inc., Kyoto, Japan; Hironori Sato, OMRON HEALTHCARE CO LTD, Kyoto, Japan; Stephen D Persell, NORTHWESTERN UNIVERSITY, Chicago, IL
- P383 **Trends in Multimorbidity Among U.S. Adults With and Without Hypertension, 1999-2000 to 2017-2020**
Chibuikwe Joseph Alanaeme, Oluwasegun P Akinyelure, Ying Wen, Ashley Christenson, Univ of Alabama at Birmingham, Birmingham, AL; Bharat Poudel, Univ of Alabama at Birmingham, Birmingham, AL; Shakia T Hardy, Univ of Alabama at Birmingham, Birmingham, AL; Kathryn Foti, Lama Ghazi, Univ of Alabama at Birmingham, Birmingham, AL; Christopher Barrett Bowling, Duke Univ, Durham, NC; Michelle Long, Boston Univ, Boston, MA; Lisandro Colantonio, Paul Muntner, Univ of Alabama at Birmingham, Birmingham, AL

- P384 **Gender Disparities in the Co-Existence of Hypertension and Diabetes in South Africa: Results From the Nationwide Demographic and Health Household Survey Data**
Ngianga-Bakwin Kandala, Univ of the Witwatersrand, Johannesburg, South Africa; Saverio Stranges, UNIVERSITY WESTERN ONTARIO, London, ON, Canada
- P385 **Comparison of Different Algorithms to Measure Adherence to Multiple Anti-Hypertensive Medications Using Administrative Claims Database**
Donglan Zhang, NYU Long Island Sch of Med, Mineola, NY; Jianing Xu, Xianyan Chen, Daniel Hall, Univ of Georgia, Athens, GA
- P387 **Effects of Reduced Dietary Sodium and the Dash Diet on Glomerular Filtration Rate: Results From the Dash-Sodium Trial**
M. Catalina Morales-Alvarez, Voravech Nissaisorakarn, BIDMC-Harvard Medical Sch, Boston, MA; Lawrence J Appel, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Edgar R Miller II, JOHNS HOPKINS MEDICAL INSTITUTIONS, Baltimore, MD; Robert H Christenson, Univ of Maryland Med Sch, Baltimore, MD; Heather Rebuck, 476, Baltimore, MD; Sylvia E Rosas, Joslin Diabetes Ctr, Boston, MA; Jeffrey H William, Stephen P Juraschek, BIDMC-Harvard Medical Sch, Boston, MA
- P388 **Assessment of a Tailored Peer Mentoring Program Among Medicare Advantage Members With Hypertension**
Micah Dasmariñas, **An-Ting Jhuang**, Samira Kamrudin, Optum, Eden Prairie, MN; Samantha Heinrich, Brijesh Patel, Ashwin Patel, InquisitHealth, River Edge, NJ; Jaime Murillo, Optum, Eden Prairie, MN
- P389 **Sex-Specific Genetic Interrogation of Cardiovascular Disease Drug Targets**
Marie-Joe Dib, Devendra Meena, Loukas Zagkos, Gill Dipender, Paul Elliott, Abbas Dehghan, Imperial Coll London, London, United Kingdom; Ioanna Tzoulaki, IMPERIAL COLLEGE LONDON, London, United Kingdom
- P390 **Trends in Contraceptive Prescribing in Women With Hypertension From 2017-2022**
Katherine Sadaniantz, Univ of Massachusetts Medical Sch, Worcester, MA; Gianna Wilkie, Lara Kovell, Univ of Massachusetts, Worcester, MA
- P391 **Genetic Analysis of Blood Pressure Traits in African Populations**
Ebuka I Onyenobi, Univ of Maryland, Baltimore, Baltimore, MD; Guanjie Chen, Ctr For Res On Genomics And Global Health, Bethesda, MD; Ayo Doumatey, Ctr for Res on Genomics and Global Health, Bethesda, MD; Ayotunde Famooto, Univ of Maryland, Baltimore, Baltimore, MD; Jie Zhou, Ctr for Res on Genomics and Global Health, Bethesda, MD; Adebowale Adeyemo, Ctr for Res on Genomics and Glob; Charles Rotimi, Natl Insts of Health, Bethesda, MD; Clement Adebamowo, Sally Adebamowo, Univ of Maryland, Baltimore, Baltimore, MD
- P392 **Association Between Blood Pressure Variability and Subclinical Measures of Cardiovascular Disease in Desk Workers**
Joshua Paley, Benjamin Gordon, Univ of Pittsburgh, Pittsburgh, PA; Abdullah Alansare, King Saud Univ, Riyadh, Saudi Arabia; Bethany Barone Gibbs, West Virginia Univ, Morgantown, WV
- P393 **AHA Life's Essential 8 and Incident Hypertension Among US Hispanics/Latinos: Results From the Hispanic Community Health Study/Study of Latinos**
Julien Tremblay, Univ of Miami, Miami, FL; Natalie A Bello, Cedars-Sinai Medical Ctr, Los Angeles, CA; Robert A Mesa, Univ of Miami, Miami, FL; Neil Schneiderman, Univ of Miami, Coral Gables, FL; Tatjana Rundek, Univ of Miami, Miami, FL; Fernando Testai, Amber Pirzada, Martha L Daviglus, Univ of Illinois at Chicago, Chicago, IL; Krista Perreira, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Linda Gallo, San Diego State Univ, Chula Vista, CA; Frank Penedo, Univ of Miami, Miami, FL; Daniela Sotres-Alvarez,

Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Sylvia Wassertheil-Smoller, Albert Einstein Coll of Med, Bronx, NY; **Tali Elfassy**, Univ of Miami, Miami, FL

- P394 **Initial Antihypertensive Prescribing in Relation to Blood Pressure Among Medicaid and Medicare Recipients**
Kayla M Smith, Almut G Winterstein, Dept of Pharmaceutical Outcomes and Policy, Coll of Pharmacy, Univ of Florida, Gainesville, FL; Matthew J Gurka, Dept of Pediatrics, Coll of Med, Univ of Florida, Gainesville, FL; Marta Walsh, Shailina Keshwani, Dept of Pharmaceutical Outcomes and Policy, Coll of Pharmacy, Univ of Florida, Gainesville, FL; Anne Libby, Dept of Emergency Med, Sch of Med, Univ of Colorado Denver, Aurora, CO; William Hogan, Dept of Health Outcomes and Biomedical Informatics, Coll of Med, Univ of Florida, Gainesville, FL; Carl J Pepine, Div of Cardiovascular Med, Dept of Med, Coll of Med, Univ of Florida, Gainesville, FL; Rhonda M Cooper-Dehoff, Dept of Pharmacotherapy and Translational Res, Coll of Pharmacy, Univ of Florida, Gainesville, FL; Steven M Smith, Dept of Pharmaceutical Outcomes and Policy, Coll of Pharmacy, Univ of Florida, Gainesville, FL

P02.09 Mobile Health Technology and Wearables

- P396 **A Culturally Tailored Mobile Health Lifestyle Intervention Improves Cardiovascular Health Among African Americans With Preexisting Risk Factors**
Mathias Lalika, Sarah Jenkins, Sharonne N Hayes, Mayo Clinic, Rochester, MN; Clarence Jones, Hue-MAN Partnership, Minneapolis, MN; Lora E Burke, Univ of Pittsburgh, Pittsburgh, PA; Lisa A Cooper, John Hopkins Univ Sch of Med, Baltimore, MD; Christi Patten, LaPrincess C Brewer, Mayo Clinic, Rochester, MN
- P397 **Hispanic Ethnicity as a Moderator of Exercise Behavior in a Mobile Health Exercise Intervention for Sedentary Adults**
Madeleine Phan, Alison Ede, Alec Sequeira, Hsiang-Ling Teng, Ayla Donlin, Jacqueline Dawson, California State Univ Long Beach, Long Beach, CA
- P398 **Using Human-Centered Design Methodology to Identify Challenges and Inform the Development of a Digital Toolkit to Optimize Heart Failure Guideline-Directed Medical Therapy From Diverse Clinician, Patient, and Patient Health Partner Perspectives**
Erin M Spaulding, PhD, RN, Johns Hopkins Univ Sch of Nursing, Baltimore, MD; Nino I Isakadze, Johns Hopkins Univ Sch of Med, Baltimore, MD; Nancy Molello, Johns Hopkins Univ Ctr for Health Equity, Baltimore, MD; Shireen Khoury, Yumin Gao, Lisa Young, Fawzi Zghyer, Johns Hopkins Univ Sch of Med, Baltimore, MD; Zahra Azizi, Stanford Univ Sch of Med, Stanford, CA; Michael P Dorsch, Univ of Michigan Coll of Pharmacy, Ann Arbor, MI; Jessica R Golbus, Univ of Michigan Health System, Ann Arbor, MI; Yvonne Commodore-Mensah, Johns Hopkins Univ Sch of Nursing, Elkridge, MD; Nisha A Gilotra, Johns Hopkins Univ Sch of Med, Baltimore, MD; Alexander Sandhu, Stanford Univ Sch of Med, Stanford, CA; Brahmajee K Nallamothu, Univ of Michigan Health System, Ann Arbor, MI; Seth S Martin, Johns Hopkins Univ Sch of Med, Baltimore, MD
- P399 **The Effect of Self-Monitoring of Diet, Weight and Steps and Adherence to Diet, Fat and Physical Activity Goals on Weight Loss at 12 Months: Smarter RCT**
Lora E Burke, UNIVERSITY of PITTSBURGH, Seattle, WA; Molly B Conroy, Univ of Utah Sch of Med, Salt Lake City, UT; Zhadyra Bizhanova, Univ of Pittsburgh, Pittsburgh, PA; Britney Beatrice, Univ of Pittsburgh, Pittsburgh, PA; Jacob K Kariuki, Univ of Pittsburgh, Pittsburgh, PA; Susan M Sereika, UNIV PITTSBURGH SCHOOL NURSING, Pittsburgh, PA
- P400 **Effectiveness and Acceptability of Dietary Telehealth Interventions Targeting Cardiovascular Disease Risk Factors: A Systematic Review and Meta-Analysis**
Rupal Trivedi-Kapoor, Shaimaa Elshafie, Randall L Tackett, Henry N Young, Elisabeth L Sattler, Univ of Georgia, Athens, GA

- P401 **Circadian Dietary Patterns and Weight Trajectories in Adults Using the Daily24 Mobile Application**
Alyssa Columbus, Attia Goheer, Lisa Yanek, Di Zhao, Thomas B. Woolf, Lindsay Martin, Eliseo Guallar, Harold Lehmann, Janelle W. Coughlin, Katherine Holzhauser, Daisy Duan, Johns Hopkins Univ, Baltimore, MD; Marquis Hawkins, Dasha Pokutnaya, Univ of Pittsburgh, Pittsburgh, PA; Jeanne Clark, Johns Hopkins Univ, Baltimore, MD; Kathleen M McTigue, Univ of Pittsburgh, Pittsburgh, PA; Michelle Lent, Philadelphia Coll of Osteopathic Med, Philadelphia, PA; **Wendy Bennett**, Johns Hopkins Univ, Baltimore, MD
- P402 **Lifestyle Management Empowered by Deep Transfer Learning of Biomechanical Dynamics**
Kiirthanaa Gangadharan, **Qingxue Zhang**, Purdue Univ, Indianapolis, IN
- P403 ***In Situ* Physiological and Behavioral Monitoring With Digital Sensors for Cerebrovascular Disease: A Scoping Review**
Stephanie J Zawada, Mayo Clinic Coll of Med and Science, Scottsdale, AZ; Naser Haj Aissa, Mayo Clinic Dept of Neurology, Scottsdale, AZ; Arjun P Athreya, Mayo Clinic Dept of Molecular Pharmacology and Experimental Therapeutics, Rochester, MN; Benjamin D Pollock, Mayo Clinic Dept of Health Care Delivery Res, Jacksonville, FL; Bradley J. Erickson, Mayo Clinic Dept of Radiology, Rochester, MN; Bart M Demaerschalk, Mayo Clinic Dept of Neurology, Scottsdale, AZ
- P404 **The Virtual Home Clinic: Challenges and Solutions**
Elaine M Urbina, CINCINNATI CHILDRENS HOSPITAL, Cincinnati, OH; Camilo Fernandez Alonso, Tulane Univ Health Sciences Ctr, New Orleans, LA; Lydia A Bazzano, TULANE UNIVERSITY, New Orleans, LA; Jessica G Woo, CCHMC, Cincinnati, OH

P02.10 Myocardial Infarction

- P405 **Low Social Support Mediates the Effect of Marital Stress on 12-month Cardiac-Specific Quality of Life in Young Adults With Acute Myocardial Infarction**
Cenjing Zhu, Yale Univ, New Haven, CT; Rachel P Dreyer, Yale Sch of Med, New Haven, CT; Fan Li, Yale Sch of Public Health, New Haven, CT; Erica S Spatz, YALE Sch of Med, New Haven, CT; Cesar Caraballo, Shiwani Mahajan, Yale Sch of Med, New Haven, CT; Valeria Raparelli, Univ of Ferrara, Rome, Italy; Erica C Leifheit, Yale Sch of Public Health, New Haven, CT; Yuan Lu, Harlan M Krumholz, Yale Univ, New Haven, CT; John Spertus, Saint Luke's Mid America Heart Inst, Kansas City, MO; Gail DONOFRIO, YALE UNIVERSITY, New Haven, CT; Louise Pilote, McGill Univ Health Ctr, Montreal, QC, Canada; Judith H Lichtman, Yale Sch of Public Health, New Haven, CT
- P406 **Association Between Perceived Interpersonal Racism and Incident Coronary Heart Disease Among Black Women**
Shanshan Sheehy, BOSTON UNIVERSITY, Boston, MA; Max Brock, Cook county Health, Chicago, IL; Julie R Palmer, BOSTON UNIVERSITY, Boston, MA; Michelle A Albert, UNIVERSITY CALIFORNIA SAN FRANCISCO, San Francisco, CA; Yvette Cozier, Lynn Rosenberg, Boston Univ, Boston, MA
- P407 **Sex Differences in Microvascular Response to Mental Stress and Adverse Cardiovascular Events Among Patients With Ischemic Heart Disease**
Samaah Sullivan, UT Health Science Ctr Houston, Dallas, TX; An Young, Mariana Garcia, Zakaria Almuwaqqat, Kasra Moazzami, Muhammad Hammadah, Bruno B Lima, Yingtian Hu, Mhmtjamil Alkhalaf, Mohamad Nour Jajeh, Ayman Alkhoder, Lisa Elon, Tene T Lewis, Amit J Shah, Puja K Mehta, J Douglas Bremner, Arshed A Quyyumi, Viola Vaccarino, Emory Univ, Atlanta, GA
- P408 **Association Between South Asian Ethnicity and Clinical Characteristics of Patients Undergoing Cardiac Catheterization**

Aayush Visaria, Naveena Yanamala, Seung Jae Moon, Payal Dave, Ranita Sharma, Rutgers Robert Wood Johnson Medical Sch, New Brunswick, NJ

- P409 **Estimating the Effect of Statewide Lockdown Orders on Rates of Acute Coronary Syndrome in the United States**
Brandon M Herbert, Univ of Pittsburgh, Pittsburgh, PA; Maria M Brooks, UNIV OF PITTSBURGH, Pittsburgh, PA; Jared W Magnani, Univ of Pittsburgh, Pittsburgh, PA
- P410 **Spontaneous Coronary Artery Dissection and Intervention With Percutaneous Coronary Intervention (PCI): A Population Based Study 2016-2019**
Yaser Khalid, Wright Ctr for GME, Geisinger Health System, voorhees, NJ; Kirti Dasu, Drexel Sch of Med/Biomedical Sciences, Philadelphia, PA; Rohan Umrani, Trinava Roy, Jefferson Health NJ, voorhees, NJ; Neethi Dasu, Bhavana Kadiyala, Jefferson Health NJ, Voorhees, NJ
- P411 **Low Serum Magnesium Predicts Higher Troponin and Lower Ejection Fraction in Acute Coronary Syndrome**
Nikky Bardia, Nupur Shah, Mariam Riad, Mustafeez Ur Rahman, Rajasekhar Mulyala, Alexis Parks, Christopher Malozzi, G. Mustafa Awan, Bassam A Omar, Univ of South Alabama, Mobile, AL
- P412 **The Effect of Targeted Therapeutic Management in ST-Elevation Myocardial Infarction Cardiac Arrest**
Ibrahim Ahmed, Mercy Catholic Medical Ctr, Philadelphia, PA; Mohamed Ahmed, Univ of Szeged, Szeged, Hungary
- P413 **Prevalence and Significance of Poor R-Wave Progression on Electrocardiography**
Alexis Parks, Mustafeez Ur Rahman, Mariam Riad, Nupur Shah, Nikky Bardia, Rajasekhar Mulyala, Maulikkumar Patel, Usman Sarwar, G. Mustafa Awan, Christopher Malozzi, Bassam A Omar, Univ of South Alabama, Mobile, AL

P02.11 Nutrition and Diet 2

- P222 **Consuming a Vegan Diet Compared to Omnivore Diet Leads to No Significant Changes in Serum TMAO, Fasting Glucose, Insulin, or Vitamin B12: The Twins Nutrition Study (TwINS) Randomized Controlled Trial**
Catherine P Ward, Stanford Univ, San Francisco, CA; Matthew J Landry, Stanford Univ, Redwood City, CA; Christopher D Gardner, STANFORD UNIVERSITY, Palo Alto, CA
- P414 **Modification of Diet-Metabolite Associations by Race and Sex in the Coronary Artery Risk Development in Young Adults Study**
Autumn Grace Hullings, Annie Green Howard, Katie A. Meyer, Christy L. Avery, Kari E. North, Univ of North Carolina, Chapel Hill, NC; Sachin Mhatre, Wei Sha, Levine Cancer Inst, Atrium Health, Charlotte, NC; Xiuxia Du, Univ of North Carolina, Charlotte, NC; Yuanyan Li, Blake Rushing, Susan Sumner, Univ of North Carolina, Kannapolis, NC; Cora E Lewis, Univ of Alabama at Birmingham, Birmingham, AL; Penny Gordon-Larsen, Univ of North Carolina, Chapel Hill, NC
- P415 **Trends in Ultra-Processed Food Intake by Supplemental Nutrition Assistance Program Participation in the U.S.**
Euridice Martinez Steele, Univ of Sao Paulo, Sao Paulo, Brazil; Neha Khandpur, Univ of Sao Paulo, Utrecht, Netherlands; Alyssa Moran, Johns Hopkins, Baltimore, MD
- P416 **Higher Quality Diet is Associated With Lower Serum Levels of NT-proBNP**
Ping Yang, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Mary R Rooney, Johns Hopkins Univ, Baltimore, MD; Amelia S Wallace, JH Bloomberg Sch. of Public Health, Baltimore, MD; Hyunju Kim,

Johns Hopkins Univ, Baltimore, MD; Justin B Echouffo Tcheugui, Johns Hopkins Hosp, Baltimore, MD; John William McEvoy, Natl Inst for Prevention and Cardiovascular Health, Galway, Ireland; Chiadi E Ndumele, JOHNS HOPKINS HOSPITAL, Baltimore, MD; Robert H Christenson, Univ of Maryland Med Sch, Baltimore, MD; Elizabeth Selvin, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Casey M Rebholz, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD

- P418 **Dietary Glutamine and Glutamate in Relation to Cardiovascular Disease and Mortality in Adults With Type 2 Diabetes**
Zhangling Chen, Harvard T.H. Chan Sch of Public Health, Boston, MA; Yang Hu, HSPH, Newton, MA; Frank Hu, Harvard Sch of Public Health, Boston, MA; Joann E Manson, Brigham and Women's Hosp, Boston, MA; Eric B Rimm, HARVARD SCHOOL PUBLIC HEALTH, Boston, MA; Alessandro Doria, JOSLIN DIABETES CENTER, Boston, MA; Qi Sun, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA
- P419 **Ultra-Processed Food Consumption and Risk of Hypertension in US Adults**
Nikolaos Rivera, Shutong Du, Hyunju Kim, Johns Hopkins Univ, Baltimore, MD; Kunihiro Matsushita, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Josef Coresh, JOHNS HOPKINS SPH WELCH CENTER, Baltimore, MD; Casey M Rebholz, JOHNS HOPKINS UNIVERSITY, Baltimore, MD
- P420 **The Interaction Between the Community Food Environment and Cooking Skills in Relation to Diet-Related Outcomes**
Noreen Z Siddiqui, Maria Gabriela Matias de Pinho, Femke Rutters, Joline Beulens, Joreintje Mackenbach, Amsterdam UMC, Amsterdam, Netherlands
- P421 **Eggs as Part of a Healthy Eating Pattern Are Not Adversely Associated With Dyslipidemia in the Framingham Offspring Study**
Ioanna Yiannakou, Boston Univ Chobanian & Avedisian Sch of Med, Boston, MA; Melanie Marie Mott, DynaMed at EBSCO Information Services, Ipswich, MA; Xinyi Zhou, Martha R. Singer, Lynn L Moore, Boston Univ Chobanian & Avedisian Sch of Med, Boston, MA
- P422 **Diminished Returns: Racial/Ethnic Differences in Diet Quality Vary by Education Level**
Chelsea R Singleton, Tulane Univ, New Orleans, LA; Ana Lucia Peralta Garcia, Drexel Univ, Philadelphia, PA; Caryn Bell, Tulane Univ, New Orleans, LA
- P423 **Adding Salt to Foods is Associated With the Risk of Incident Chronic Kidney Diseases**
Rui Tang, Minghao Kou, Xuan Wang, Hao Ma, Xiang Li, Yoriko Heianza, Lu Qi, Tulane Univ, New Orleans, LA
- P424 **Associations of Taste-Related Genes With Empirical Dietary Patterns Among Community-Dwelling Adults - The Framingham Heart Study**
Julie E. Gervis, JM USDA Human Nutrition Res Ctr on Aging, Tufts Univ, Boston, MA; Jiantao Ma, Friedman Sch of Nutrition Science and Policy, Tufts Univ, Boston, MA; Kenneth Chui, Dept of Public Health and Community Med, Tufts Univ, Boston, MA; Alice H Lichtenstein, JM USDA Human Nutrition Res Ctr on Aging, Tufts Univ, Boston, MA
- P425 **Diets Enriched in Stearate, Palmitate, and Oleate Differentially Modulate Gut Microbiome Composition in Post-Menopausal Women**
Wen Zhang, Gregory Matuszek, Alice H Lichtenstein, **Nirupa R Matthan**, TUFTS UNIVERSITY, Boston, MA
- P426 **Food Insecurity is Associated With Insomnia Among Men in the Echorn Cohort**
Carol R Oladele, Johanna E. Elumn, Deron Galusha, Yale Sch of Med, New Haven, CT; Neha Khandpur, Univ of São Paulo, São Paulo, Brazil; Josefa L. Martinez-Brockman, Marcella Nunez-Smith, Yale Sch of Med, New Haven, CT

- P427 **Nutritional Education Strategies' Impact on Diet in Patients Undergoing Cardiac Rehabilitation**
Katy S Lehenbauer, Univ of Minnesota, Minneapolis, MN; Ella Scott, M Health Fairview, Minneapolis, MN; Jeremy R Vant Hof, Univ of Minnesota, Minneapolis, MN
- P428 **Evaluating a Personalized Low Sodium Diet Intervention for Blood Pressure Control in Hypertensive Patients: A Pilot Study**
Jisook Ko, UT Health Science San Antonio, San Antonio, TX; Kyungeh An, UT Health Science Ctr San Antoni, San Antonio, TX; Jing Wang, Florida State Univ, Tallahassee, FL; Misook L Chung, UNIV OF KENTUCKY COLLGE OF NUR, Lexington, KY
- P429 **Adiposity: Full or Partial Mediator of the Association of Diet With Blood Pressure?**
Amaris Williams, Ohio State Univ Wexner Medical Ctr, Columbus, OH; Joshua J Joseph, The Ohio State Univ COM, Columbus, OH

P02.12 Pharmacoepidemiology

- P430 **Role of Cystatin C-based Estimated Glomerular Filtration Rate for Direct Oral Anticoagulant Dosing in Patients With Atrial Fibrillation**
Jung-Im Shin, Yunwen Xu, Johns Hopkins Univ, Baltimore, MD; Shoshana Ballew, JOHNS HOPKINS BLOOMBERG, Baltimore, MD; Alessandro Bosi, Karolinska Inst, Stockholm, Sweden; Paul Hjemdahl, KAROLINSKA INSTITUTET, Stockholm, Sweden; Morgan Grams, New York Univ Grossman Sch of Med, New York, NY; Josef Coresh, JOHNS HOPKINS SPH WELCH CENTER, Baltimore, MD; Lesley Inker, Tufts Medical Ctr, Boston, MA; juan jesus carrero, Karolinska Instt, Huddinge, Sweden
- P431 **Comparative Safety and Effectiveness of Direct Oral Anticoagulants versus Warfarin in Patients With Non-Valvular Atrial Fibrillation and Severe Chronic Kidney Disease**
Yunwen Xu, Shoshana Ballew, Johns Hopkins Univ, Baltimore, MD; Alex R Chang, Geisinger, Danville, PA; Lesley Inker, Tufts Medical Ctr, Brookline, MA; Morgan Grams, New York Univ Grossman Sch of Med and Langone Health, New York, NY; Jung-Im Shin, Johns Hopkins Univ, Baltimore, MD
- P432 **Statin Initiation for Primary Prevention and Dose Intensity According to Age in the Women's Health Initiative**
Michael Bancks, Sarah A Gaussoin, Wake Forest Univ Sch of Med, Winston-Salem, NC; Dan Beavers, Wake Forest Univ, Winston-Salem, NC; Adam S Bress, Univ of Utah Sch of Med, Salt Lake City, UT; Chris Gillette, Wake Forest Univ Sch of Med, Winston-Salem, NC; Bernhard Haring, Saarland Univ Medical Ctr, Homburg, Germany; Longjian Liu, Drexel Univ, Philadelphia, PA; David J Maron, Stanford Univ Sch of Med, Stanford, CA; Lindsay M Reynolds, Wake Forest Univ Sch of Med, Winston-Salem, NC; Aladdin H. Shadyab, Univ of California, San Diego Herbert Wertheim Sch of Public Health and Human Longevity Science, San Diego, CA; Mara Z Vitolins, Wake Forest Univ Sch of Med, Winston-Salem, NC
- P433 **Predictors of Self-Reported Medication Non-Adherence in Older Adults: The Atherosclerosis Risk in Communities Study**
Christina Yin, Johns Hopkins Univ, Baltimore, MD; B Gwen Windham, UMMC, The MIND Ctr, Jackson, MS; Anna Kucharska-Newton, David Couper, UNIVERSITY NORTH CAROLINA, Chapel Hill, NC; Pamela L Lutsey, UNIVERSITY OF MINNESOTA, Minneapolis, MN; Shoshana Ballew, Jung-Im Shin, Johns Hopkins Univ, Baltimore, MD
- P435 **Proton Pump Inhibitor Use and Risk of Incident Primary Cardiovascular Disease: A Systematic Review and Meta-Analysis**

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

P02.13 Physical Activity and Sedentary Behavior 2

- P436 **Objective Physical Activity and Orthostatic Hypotension in Older Adults: The STURDY Trial**
Sohyeon Kwon, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Stephen P Juraschek, BIDMC-Harvard Medical Sch, Boston, MA; Amal A Wanigatunga, Christine M Mitchell, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Erin D Michos, Edgar R Miller II, Lawrence J Appel, Johns Hopkins Sch of Med, Baltimore, MD; Jennifer A Schrack, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD
- P437 **Testing a Clinical Decision Support Tool to Promote Physical Activity**
Margaret M McCarthy, NYU Rory Meyers Coll of Nursing, New York, NY; Adam Szerencsy, NYU Langone Health, New York, NY; Leslie Taza-Rocano, NYU Rory Meyers Coll of Nursing, NY, NY; Stephanie Hopkins, NYU Langone Health, NY, NY; Gail D Melkus, NYU Rory Meyers Coll of Nursing, New York, NY; Devin Mann, NYU Langone Health, New York, NY; Allison Vorderstrasse, UMass Amherst, Amherst, MA; Stuart Katz, NYU Langone Health, New York, NY
- P438 **Physical Activity and Calcification of Coronary Arteries, Aorta, and Cardiac Valves: The Atherosclerosis Risk in Communities (ARIC) Study**
Yejin Mok, Shoshana Ballew, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Jennifer Schrack, Johns Hopkins Univ, Baltimore, MD; Candace M. Howard-Claudio, Univ of Mississippi Medical Ctr, Jackson, MS; Kenneth R Butler Jr., UNIV OF MISSISSIPPI MED CTR, Jackson, MS; Lynne Wagenknecht, Wake Forest Univ, Winston-Salem, NC; Josef Coresh, JOHNS HOPKINS SPH WELCH CENTER, Baltimore, MD; Matthew Budoff, Lundquist Inst, Manhattan Beach, CA; Hirofumi Tanaka, UNIVERSITY OF TEXAS AUSTIN, Austin, TX; Michael J Blaha, JOHNS HOPKINS HOSPITAL, Baltimore, MD; Kunihiro Matsushita, JOHNS HOPKINS UNIVERSITY, Baltimore, MD
- P439 **Ideal Physical Activity is Associated With Reduced Risk of Atrial Fibrillation in African Americans Without Baseline Cardiovascular Disease: The Jackson Heart Study**
Jack Tiahnybik, Marielle Siebert, Indiana Univ, Indianapolis, IN; Daisuke Kamimura, Univ of Mississippi Medical Ctr, Jackson, MS; Wondwosen Yimer, Univ of Mississippi Sch of Pharmacy, Oxford, MS; Yuan-I Min, Univ of Mississippi Medical Ctr, Jackson, MS; Kaustuv Bhattacharya, Univ of Mississippi Sch of Pharmacy, Oxford, MS; James S Floyd, UNIVERSITY WASHINGTON, Seattle, WA; Yi Yang, Univ of Mississippi Sch of Pharmacy, Oxford, MS; Susan R Heckbert, UNIVERSITY OF WASHINGTON, Seattle, WA; Michael E Hall, Adolfo Correa, Univ of Mississippi Medical Ctr, Jackson, MS; Takeki Suzuki, Indiana Univ, Indianapolis, IN
- P440 **Household Physical Activity is Not Associated With Hypertension Among African Americans: The Jackson Heart Study**
Samantha Cohen-Winans, Univ of Mississippi, University, MS; Elizabeth Heitman, UT Southwestern, Dallas, TX; Marino A. Bruce, Univ of Houston, Houston, TX; Roland J Thorpe, Johns Hopkins Univ, Baltimore, MD; Keith C. Norris, Univ of California, Los Angeles, Los Angeles, CA; Robert L Newton Jr., Pennington Biomedical Res Ctr, Baton Rouge, LA; Bettina M. Beech, Univ of Houston, Houston, TX
- P441 **Association of Monthly Resistance Training Volume With All-Cause Mortality in NHANES 1999-2006**
Robert Booker, Shaina Alexandria, Mandy Wong, Northwestern Univ, Chicago, IL; Mercedes R Carnethon, NORTHWESTERN UNIVERSITY, Chicago, IL

- P442 **An Innovative, Remotely Delivered Weight Loss and Exercise Intervention to Improve Rheumatoid Arthritis Cardiovascular Risk**
Leanna M Ross, Alyssa M Zidek, William E Kraus, Connie W Bales, Kathryn N Porter Starr, Brian J Andonian, Kim M Huffman, Duke Univ Sch of Med, Durham, NC
- P443 **Cross-Sectional Association Between Sedentary Behavior and Cardiometabolic Risk Factors in Japanese Population: The NIPPON DATA2010**
Mizuki Ohashi, Shiga Univ of Medical Science, Otsu, Japan; Naoko Miyagawa, Keio Univ Sch of Med, Tokyo, Japan; Masahiko Yanagita, Doshisha Univ, Kyotanabe, Japan; Nagako Okuda, Kyoto Prefectural Univ, Kyoto, Japan; Akira Fujiyoshi, Wakayama Medical Univ, Wakayama, Japan; Takayoshi Ohkubo, Teikyo Univ, Tokyo, Japan; Aya Kadota, Yukiko Okami, Shiga Univ of Medical Science, Otsu, Japan; Keiko Kondo, Shiga Univ of Medical Science, Otsu, Japan; Akiko Harada, Shiga Univ of Medical Science, Otsu, Japan; Tomonori Okamura, Keio Univ Sch of Med, Tokyo, Japan; Hirotsugu Ueshima, Shiga Univ of Medical Science, Otsu, Japan; Akira Okayama, Res Inst of Strategy for Prevention, Tokyo, Japan; Katsuyuki Miura, Shiga Univ of Medical Science, Otsu, Japan; the NIPPON DATA2010 Research Group
- P444 **Estimated Power Output for a Distance Run and Maximal Oxygen Uptake in Young Adults**
Gen-Min Lin, HUALIEN ARMED FORCES GEN HOSPITAL, Hualien, Taiwan; Kun-Zhe Tsai, MACKAY MEMORIAL HOSPITAL, Taipei, Taiwan; Xuemei Sui, UNIVERSITY SOUTH CAROLINA, Columbia, SC; Carl Joseph LAVIE Jr., OCHSNER HEALTH SYSTEM, New Orleans, LA
- P445 **Patterns in Physical Activity Among Individuals With Cardiovascular Risk Factors in the United States: A Population-Based Contemporary Study From NHANES 2017- 2020**
Wafa Nabi, Arya Aminorroaya, Rohan Khera, Yale Sch of Med, New Haven, CT
- P446 **Physical Inactivity and Chronic Conditions Are Associated With Lower Functioning in Older Adults With Osteoarthritis**
GRAZIELLA MARTINS DE DE MELLO, pucpr, Curitiba, Brazil; Ariele Barreto Haagsma, PUCPR, Curitiba, Brazil; Fernando T Frajácómo, Univ Estácio de Sá, Ribeirão Preto, Brazil; Dyego Leandro Bezerra de Souza, Univ Federal do Rio Grande do Norte, Natal, Brazil; Vanessa Barbosa de Oliveira, Ana Paula Vieira Neves Ferreira, Pontificia Univ Católica do Paraná, Curitiba, Brazil; Javier Jerez-Roig, Unversitat Central de Catalunya, Barcelona, Spain; **Cristina P Baena**, PUCPR, Curitiba, Brazil

P02.14 Preventive Cardiology 1

- P447 **Association Between Cardiovascular Health (CVH) Throughout Early Adulthood With Prevalent Non-Alcoholic Fatty Liver Disease (NAFLD) in Mid-Life: The Coronary Artery Risk Development in Young Adults (CARDIA) Study**
Seong Park, Northwestern Univ Feinberg Sch of Med, Chicago, IL; Hongyan Ning, NORTHWESTERN UNIVERSITY, Chicago, IL; Lisa B VanWagner, UT Southwestern Medical Ctr, Dallas, TX; Mercedes R Carnethon, NORTHWESTERN UNIVERSITY, Chicago, IL
- P448 **Trends and Predictors of Statin Initiation Among Veterans With Familial Hypercholesterolemia**
Saadia Qazi, Brigham and Women's Hosp, Boston, MA; Laura Tarko, VA Boston Healthcare System, Dedham, MA; Yuk-lam Ho, VA Boston Healthcare System, Boston, MA; David Gagnon, Boston VA Healthcare System, Boston, MA; Ariela R Orkaby, VA Boston Healthcare System, Boston, MA; Luc Djousse, BWH AND HARVARD MED SCHOOL, Boston, MA; John M Gaziano, Boston Veterans Health Admin, Boston, MA; Kelly Cho, VA Medical Ctr, HMS, BWH, Boston, MA; Peter W Wilson, EMORY UNIVERSITY SCHOOL MED, Atlanta, GA
- P449 **Life's Essential 8 and Risk of Coronary Heart Disease: A Prospective Study Among Racially and Geographically Diverse Populations**

Kui Deng, Deepak Gupta, Xiao-Ou Shu, Loren Lipworth, Wei Zheng, Danxia Yu, Vanderbilt Univ Medical Ctr, Nashville, TN

- P450 **The Moli-Sani Risk Score, a New Algorithm for Measuring the Global Impact of Nine Modifiable Cardiovascular Risk Factors**
Augusto Di Castelnuovo, Mediterranea Cardiocentro, Naples, Italy; Marialaura Bonaccio, **Simona Costanzo**, Amalia De Curtis, Mariarosaria Persichillo, Teresa Panzera, IRCCS Neuromed, Pozzilli, Italy; Damiano Baldassarre, Ctr Cardiologico Monzino, IRCCS, and Univ degli Studi di Milano, Milan, Italy; Maria Carla Roncaglioni, Marta Baviera, Istituto di Ricerche Farmacologiche Mario Negri-IRCCS, Milan, Italy; Chiara Cerletti, Maria Benedetta Donati, Giovanni de Gaetano, IRCCS Neuromed, Pozzilli, Italy; Licia Iacoviello, Univ of Insubria, Varese-Como and IRCCS NEUROMED, Pozzilli, Italy
- P451 **Coronary Artery Calcium and the Association Between Dietary Fish Intake and Atherosclerotic Cardiovascular Disease Risk**
Alexander C Razavi, Emory Univ Hosp, Atlanta, GA; Abdulhamied Alfaddagh, Omar Dzaye, Johns Hopkins Hosp, Baltimore, MD; Matthew J Budoff, Lundquist Inst, Torrance, CA; Paul Whelton, Tanika N Kelly, Jiang He, Lydia A Bazzano, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA; Camilo Fernandez, Brigham and Women's Hosp, Boston, MA; Timothy Harlan, George Washington Univ Hosp, Washington, DC; Alanna A Morris, Arshed A Quyyumi, Emory Univ Hosp, Atlanta, GA; Roger S Blumenthal, Michael J Blaha, Johns Hopkins Hosp, Baltimore, MD; Laurence Sperling, Emory Univ Hosp, Atlanta, GA; Seamus P Whelton, Johns Hopkins Hosp, Baltimore, MD
- P452 **The Associations Between Potassium Levels, Arterial Stiffness, and Cardiovascular Disease Risk in the Jackson Heart Study**
Ranee Chatterjee, Clemontina A Davenport, Duke Univ, Durham, NC; Ervin R Fox, UNIVERSITY MISSISSIPPI MEDICAL CTR, Jackson, MS; Vasana S Ramachandran, FRAMINGHAM HEART STUDY, Berlin, MA; Gary F Mitchell, Cardiovascular Engineering, Inc, Norwood, MA
- P453 **Apolipoprotein B, Low-Density Lipoprotein Particle Number, Non-High-Density Lipoprotein Cholesterol, Low-Density Lipoprotein Cholesterol, and Total Cholesterol for Atherosclerotic Cardiovascular Disease Risk Prediction in Young Adults**
John T Wilkins, Hongyan Ning, NORTHWESTERN UNIVERSITY, Chicago, IL; Konrad Sawicki, Konrad T Sawicki, Northwestern Univ, Chicago, IL; Allan D Sniderman, McGill Univ Health Ctr, Montreal, QC, Canada; James D Otvos, Lab Corp, Raleigh, NC; Jamal S Rana, Venkatesh Murthy, KAISER PERMANENTE, Oakland, CA; Venkatesh L Murthy, Univ of Michigan, Ann Arbor, MI; Ravi V Shah, Vanderbilt Univ, Nashville, TN; Norrina B Allen, NORTHWESTERN UNIVERSITY, Chicago, IL; Donald Lloyd-Jones, Northwestern Univ, Winnetka, IL
- P454 **Secular Trend in Cholesterol Management Among US Veterans With ASCVD**
Awse Al-Ani, VA Boston Healthcare System, Brigham and Women's Hosp and Harvard Medical Sch, Jamaica Plain, MA; Helen Wellman, Veterans Health Admin, Chelmsford, MA; Rachel Ward, VA Boston Healthcare System, Willow Spring, NC; John M Gaziano, VA Boston Healthcare System, Brigham and Women's Hosp and Harvard Medical Sch, Boston, MA; Luc Djousse, BWH AND HARVARD MED SCHOOL AND VA BOSTON HEALTH CARE SYSTEM, Boston, MA
- P456 **The Cardiovascular Profile of Patients by Methamphetamine, Cocaine, Opiate, and Cannabis Use**
Faye L Norby, Cedars Sinai Medical Ctr, Los Angeles, CA; Harpriya Chugh, Cedars Sinai Health, Santa Monica, CA; Kyndaron Reinier, Cedars-Sinai Health System, Los Angeles, CA; Sumeet S Chugh, CEDARS-SINAI MEDICAL CTR, Los Angeles, CA
- P457 **Healthful Lifestyle Factors and Incidence of Early Onset Cardiovascular Disease in the Million Veteran Program**

Eiman Elhouderi, VA Boston Healthcare System, Harvard Medical Sch and BIDMC, West Roxbury, MA; Xuan-Mai Nguyen, VA Boston Healthcare system, West Roxbury, MA; Yanping Li, HARVARD UNIVERSITY, Boston, MA; Kelly Kim, VA Boston Healthcare System-MAVERIC, Northborough, MA; Rachel Ward, VA Boston Healthcare System, West Roxbury, MA; PETER WILSON, Atlanta VAMC, Decatur, GA; John M Gaziano, VA Boston Healthcare System and BWH, Boston, MA; Luc Djousse on behalf of the VA Million Veteran Progra, BWH AND HARVARD MED SCHOOL, Boston, MA

P02.15 Sleep Behavior and Sleep Disorders

- P458 **An Examination of the Influence of Daily Intersectional Minority Stressors on Sleep Health in Sexual and Gender Minority People of Color**
Joseph Belloir, Columbia Univ, Roseburg, OR; Ipek Ensari, Kasey Jackman, Shayna Feuer, Anisha Bhargava, Columbia Univ, New York, NY; **Billy A Caceres**, Columbia Univ, Forest Hills, NY
- P459 **Socioeconomic Disadvantage and Adverse Childhood Events Associated With Risk of Obesity and Insufficient Sleep in Children**
Marie-Pierre St-Onge, Susan Lin, Jennifer Woo Baidal, Christina Hoven, COLUMBIA UNIVERSITY, New York, NY
- P460 **A Behavioral Intervention to Improve Health Sleep Among Adults With Excess Weight and Suboptimal Sleep Health: Preliminary Results of a Feasibility Study**
Christopher C Imes, Univ of Pittsburgh Sch of Nursing, Pittsburgh, PA; Christopher E Kline, Sanjay R Patel, Univ of Pittsburgh, Pittsburgh, PA; Susan M Sereika, Univ of Pittsburgh Sch of Nursing, Pittsburgh, PA; Allison G Harvey, Univ of California, Berkeley, Berkeley, CA; Daniel J Buysse, Univ of Pittsburgh, Pittsburgh, PA; Lora E Burke, Univ of Pittsburgh Sch of Nursing, Pittsburgh, PA

P02.16 Smoking and Tobacco Use

- P461 **Changes in Cigarette Smoking Patterns During the COVID-19 Pandemic: The C4R Study**
Pallavi Balte, Yifei Sun, Asma Sharaf, Columbia Univ, New York, NY; Akshaya Krishnaswamy, Columbia Univ Medical Ctr, New York, NY; Alexander Arynchyn, UAB, Birmingham, AL; Elizabeth A. Regan, Natl Jewish Health, Denver, CO; Vasana S Ramachandran, FRAMINGHAM HEART STUDY, Berlin, MA; David Schwartz, Univ of Colorado, Denver, CO; Wendy S Post, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Alka M Kanaya, UCSF, San Francisco, CA; Mitchell Elkind, Columbia Univ, New York, NY; Virginia J Howard, UNIVERSITY OF ALABAMA-BIRMINGHAM, Birmingham, AL; Victor Ortega, Mayo Clinic, Carefree, AZ; Prescott Woodruff, UCSF, San Francisco, CA; Shelley Cole, Texas Biomedical Res Inst, San Antonio, TX; Elizabeth C Oelsner, Columbia Univ, New York, NY
- P463 **E-cigarette Use and Seeking Professional Help for Depression Among Young Adults: Evidence From the VapeScan Study**
Justin Liu, Dona Sangapalaarachchi, Chloe Fang, Columbia Univ Irving Medical Ctr, New York, NY; Maria Cepeda, Columbia Univ Irving Medical Ctr, Brooklyn, NY; Nancy LoIacono, Columbia Univ Mailman Sch of Public Health, New York, NY; Siyue Gao, Vesna Ilievski, Columbia Univ Mailman Sch of Public Health, New York, NY; Diane Hawkins, Daichi Shimbo, Elizabeth Oelsner, Columbia Univ Irving Medical Ctr, New York, NY; Ana Navas-Acien, Columbia Univ Mailman Sch of Public Health, New York, NY
- P464 **A 5-Day Lifestyle Program for Tobacco and Paan Cessation in South India**
SAMUEL GEORGE HANSDAK, CHRISTIAN MEDICAL COLLEGE, VELLORE, India
- P465 **Impact of Smoking Among Medicare Beneficiaries With HIV Admitted for Acute Myocardial Infarction in the United States; a Perspective Using the 2019 National Inpatient Sample**

Balkiranjit Kaur Dhillon, Independent Reser, Brampton, ON, Canada; Shaheen Sombans, Bharati Vidyapeeth Univ Medical Coll, Hyderabad, India; Kamleshun Ramphul, Independent Reser, Triolet, Mauritius; Renuka Verma, Independent Reser, LDH, India; Osama Abdur Rehman, King Edward Medical Univ, Lahore, Pakistan; Stephanie G Mejias, Independent Reser, Santo Domingo, Dominican Republic; Sailaja Sanikommu, Sri Manakula Vinayagar Med Coll and Hosp, Puducherry, India, Chennai, India; Yogeshwaree Ramphul, SSRNH, Pamplemousses, Mauritius; Petras Lohana, Jacobi Medical Ctr, NEW YORK, NY; Fnu Arti, Medstar Union Memorial Hosp, Baltimore, MD; Nomesh Kumar, DMC/WSU Sinai Grace Hosp, Detroit, MI

- P466 **Relationship Between Smoking and Sleep Duration Depends on Age**
Suzanne B Gorovoy, Univ of Arizona Coll of Med, Tucson, AZ; Freda Patterson, Univ of Delaware, Newark, DE; Michael A Grandner, Univ of Arizona Coll of Med, Tucson, AZ

P02.17 Stroke

- P467 **Left Atrial Appendage Occlusion and Risk of Stroke in Medicare Beneficiaries**
Wendy Wang, Univ of Minnesota, Minneapolis, MN; Lin Y Chen, UNIVERSITY OF MINNESOTA, Minneapolis, MN; Rob F Walker, Univ of Minnesota, Minneapolis, MN; Alvaro Alonso, Emory Univ, Atlanta, GA; Faye L Norby, Cedars Sinai Medical Ctr, Los Angeles, CA; Kamakshi Lakshminarayan, Univ of Minnesota, Minneapolis, MN; Pamela L Lutsey, UNIVERSITY OF MINNESOTA, Minneapolis, MN
- P468 **Time Trends in Severity of Incident Ischemic Stroke in the Atherosclerosis Risk in Communities Study From 1987 to 2018**
Silvia Koton, TEL AVIV UNIVERSITY, Tel Aviv, Israel; Jinyu Chen, UNIVERSITY OF NORTH CAROLINA, Chapel Hill, NC; Michelle C Johansen, JOHNS HOPKINS HOSPITAL, Baltimore, MD; James Russell Pike, UNIVERSITY OF NORTH CAROLINA, Chapel Hill, NC; Thomas Mosley Jr., UNIV MS MEDICAL CTR, Jackson, MS; Wayne D Rosamond, UNIVERSITY OF NORTH CAROLINA, Chapel Hill, NC; Andrea Schneider, UNIVERSITY OF PENNSYLVANIA, Philadelphia, PA; Rebecca F Gottesman, NINDS, Bethesda, MD; Josef Coresh, JOHNS HOPKINS SPH WELCH CENTER, Baltimore, MD
- P469 **Risk of Long-Term All-Cause Mortality After Incident Ischemic Stroke of Different Severity in the Atherosclerosis Risk in Communities Study**
Jinyu Chen, Johns Hopkins Univ, Baltimore, MD; James Russell Pike, Univ of North Carolina, Chapel Hill, NC; Michelle C Johansen, JOHNS HOPKINS HOSPITAL, Baltimore, MD; Priya Palta, Columbia Univ Medical Ctr, New York, NY; Josef Coresh, JOHNS HOPKINS SPH WELCH CENTER, Baltimore, MD; Rebecca F Gottesman, NINDS, Baltimore, MD; Silvia Koton, TEL AVIV UNIVERSITY and JOHNS HOPKINS UNIVERSITY, Baltimore, MD
- P470 **Total Plaque Area and Association With Stroke Risk Factors in a Native American Population**
Kevin V Thomas, Univ of Wisconsin Madison, Madison, WI; Stephanie M Wilbrand, UNIVERSITY WISCONSIN MADISON, Madison, WI; Timothy Hess, Univ of Wisconsin - Madison, Madison, WI; Jenna Maybock, Yurim Lee, Univ of Wisconsin Madison, Madison, WI; Brady Kerwin, Univ of Wisconsin - Madison, Madison, WI; Melissa Metoxen, Univ of Wisconsin - Madison, Oneida, WI; Debra Danforth, Amanda Riesenber, Oneida Comprehensive Health Div, Oneida, WI; Robert J Dempsey, NEUROLOGICAL SURGERY, Madison, WI; Carol Mitchell, Univ of Wisconsin Madison, Madison, WI
- P471 **Predictors of Referral to Community-Based Rehabilitation Following Stroke**
Sara B Jones, Anna M Johnson, Univ of North Carolina, Chapel Hill, NC; Elizabeth R Mormer, Kristin E Ressel, Univ of Pittsburgh, Pittsburgh, PA; Amy M Pastva, DUKE UNIVERSITY, Durham, NC; Molly Wen, Univ of North Carolina, Chapel Hill, NC; Charity G Patterson, Univ of Pittsburgh, Pittsburgh, PA; Pamela W Duncan, Atrium Health Wake Forest Baptist Medical Ctr, Winston Salem, NC; Cheryl D Bushnell, WAKE

FOREST UNIV HEALTH SCIENCES, Winston Salem, NC; Janet K Freburger, Univ of Pittsburgh, Pittsburgh, PA

- P472 **Matching Young Adult Strokes in a Claims Database to the Clinical Get With the Guidelines-Stroke Registry**
Michelle H Leppert, Sharon N Poisson, UNIVERSITY OF COLORADO, Aurora, CO; Sharon Scarbro, Univ of Colorado Anschutz Medical Campus, Aurora, CO; Remy Poudel, American Heart Association, Fort Worth, TX; Quiera Booker, American Heart Association, Dallas, TX; Krithika Suresh, Univ of Michigan, Ann Arbor, MI; Lynda D Lisabeth, UNIVERSITY MICHIGAN, Ann Arbor, MI; Lee H Schwamm, MGH, Boston, MA; Stacie L Daugherty, Kaiser Permanente Colorado, Aurora, CO; Cathy Bradley, Univ of Colorado Anschutz Medical Campus, Aurora, CO; James F Burke, Ohio State Univ Coll Med, Columbus, OH; Michael Ho, Univ of Colorado Anschutz Medical Campus, Aurora, CO
- P473 **Early Onset Stroke in the Black Women's Health Study**
Hugo J Aparicio, Yvette Cozier, Nora Xu, Boston Univ, Boston, MA; Vasileios Lioutas, BETH ISRAEL DEACONESS MEDICAL, Boston, MA; Julie G Shulman, Julie R. Palmer, Lynn Rosenberg, Shanshan Sheehy, Boston Univ, Boston, MA
- P474 **Sex-Specific Prevention of Stroke Through Reproductive Risk Factors and Sex Hormone Effects (STOP STROKE): Preliminary Findings**
Tracy E. Madsen, Sara L Caniglia, BROWN UNIVERSITY, Providence, RI; Juana Thomas, Rhode Island Hosp, Providence, RI; Lindsay Clark Donat, BROWN UNIVERSITY, Providence, RI; Ling Zhang, Rhode Island Hosp, Providence, RI; Ghada Bourjeily, BROWN UNIVERSITY, Providence, RI; Tina Burton, Brown Univ, Providence, RI; Karen L Furie, Dept of Neurology, Providence, RI; Simin Liu, Brown Univ, Providence, RI
- P475 **Left Ventricular Hypertrophy Prevalence by Electrocardiogram in Patients Presenting With Cerebrovascular Accident**
Alexis Parks, Douglas Williams, Mariam Riad, Nupur Shah, Nikky Bardia, Christopher Malozzi, Bassam A Omar, Univ of South Alabama, Mobile, AL

Thursday, March 2

MPS.10 Diabetes

- MP55 **Glucose Abnormalities Detected by Continuous Glucose Monitoring in Older Adults With Prediabetes**
Natalie Daya Malek, Michael Fang, Dan Wang, Yein Jeon, Johns Hopkins Univ, Baltimore, MD; Justin B Echouffo Tcheugui, Johns Hopkins Hosp, Baltimore, MD; Josef Coresh, JOHNS HOPKINS SPH WELCH CENTER, Baltimore, MD; Elizabeth Selvin, JOHNS HOPKINS UNIVERSITY, Baltimore, MD
- MP56 **Intake of Ultra-Processed Foods is Associated With an Increase in Risk for Type Two Diabetes: Results From Three U.S. Cohort Studies and a Meta-Analysis**
Zhangling Chen, Erasmus MC, Rotterdam, Netherlands; Neha Khandpur, Univ of Sao Paulo, Sao Paulo, Brazil; Clemence Desjardins, Laval Univ, Quebec, QC, Canada; Carlos Monteiro, Univ of Sao Paulo, Sao Paulo, Brazil; Sinara Rossato, Univ Federal de Uberlândia, Uberlandia, Brazil; Teresa Fung, Simmons Univ, Boston, MA; Joann E Manson, Brigham and Women's Hosp, Boston, MA; Walter Willett, Harvard T.H Chan Sch of Public Health, Boston, MA; Eric B Rimm, HARVARD SCHOOL PUBLIC HEALTH, Boston, MA; Frank Hu, Harvard Sch of Public Health, Boston, MA; Qi Sun, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA; Jean-Philippe Drouin-chartier, LAVAL UNIVERSITY, Quebec, QC, Canada

- MP57 **Coagulation Factor IX and Incident Diabetes Risk: The REasons for Geographic and Racial Differences in Stroke (REGARDS) Study**
Megan Zhou, Katherine Wilkinson, Timothy B Plante, Debora Kamin Mukaz, Larner Coll of Med at The Univ of Vermont, Colchester, VT; D. Leann Long, Univ of Alabama at Birmingham, Birmingham, AL; Neil A. Zakai, Mary Cushman, Nels C Olson, Larner Coll of Med at The Univ of Vermont, Colchester, VT
- MP58 **A Plasma Metabolite Score Related to Psychological Distress and Future Diabetes Risk: A Nested Case-Control Study in US Women**
Tianyi Huang, Harvard Medical Sch, Boston, MA; Yiwen Zhu, Katherine Shutta, Harvard T.H. Chan Sch of Public Health, Boston, MA; Raji Balasubramanian, UMass Amherst, Amherst, MA; Oana Zeleznik, Harvard Medical Sch, Boston, MA; Kathryn M Rexrode, BRIGHAM AND WOMENS HOSPITAL, Boston, MA; Clary Clish, Broad Inst of MIT and Harvard, Cambridge, MA; Qi Sun, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA; Frank Hu, Harvard Sch of Public Health, Boston, MA; Laura Kubzansky, Harvard TH Chan Sch of Public He, Boston, MA; Susan Hankinson, UMass Amherst, Amherst, MA
- MP59 **Host *LCT* Genotype Modifies the Relationship Between Milk Intake and Risk of Diabetes Partially Through the Gut Microbiome and Blood Metabolome: The Hispanic Community Health Study/Study of Latinos (HCHS/SOL)**
Kai Luo, Guochong Chen, Albert Einstein Coll of Med, Bronx, NY; Jiaqian Xing, Albert Einstein Coll of Med, Hackensack, NJ; Jee-Young Moon, Zheng Wang, Albert Einstein Coll of Med, Bronx, NY; Bing Yu, UNIV OF TX HEALTH SCI CTR HOUSTON, Houston, TX; Eric Boerwinkle, UTHealth, Houston, TX; Gang Hu, PENNINGTON BIOMED RESEARCH CENTER, Baton Rouge, LA; Tao Wang, Albert Einstein Coll of Med, Bronx, NY; Rob Knight, Univ of California, San Diego, La Jolla, CA; Robert Burk, Robert Kaplan, Qibin Qi, Albert Einstein Coll of Med, Bronx, NY
- MP60 **Prediabetes and Undiagnosed Diabetes Predisposing Women to Excess Risk of Cardiovascular Disease**
Yilin Yoshida, Zhipeng Chen, Tulane Univ, New Orleans, LA; Franck Mauvais-Jarvis, Tulane Sch of Med, New Orleans, LA

MPS.11 Nutrition 2

- MP61 **Starch Digestion-Related Amylase Genetic Variants, Dietary Carbohydrates, and Changes in Glucose Tolerance: Results From the OmniCarb Trial**
Yoriko Heianza, Xuan Wang, Sch of Public Health and Tropical Med, Tulane Univ, New Orleans, LA; Hao Ma, Tulane university, New Orleans, LA; Lawrence J Appel, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Frank M Sacks, Harvard T.H. Chan Sch of Public Health, Boston, MA; Lu Qi, TULANE UNIVERSITY, New Orleans, LA
- MP62 **Fatty Acid Biomarkers of 15:0, 17:0 and *Trans* 16:1n-7 and Incident Coronary Heart Disease and Stroke: A Pooling Project of 15 Prospective Cohorts in the Fatty Acids and Outcomes Research Consortium**
Andres V. Ardisson Korat, Jean Mayer USDA Human Nutrition Res Ctr on Aging at Tufts Univ (HNRCA), Boston, MA; Frank Qian, BI Deaconess Medical Ctr, Boston, MA; Vasanti Malik, Univ of Toronto, Toronto, ON, Canada; Marcus Lehr, Jean Mayer USDA Human Nutrition Res Ctr on Aging at Tufts Univ (HNRCA), Boston, MA; Fumiaki Imamura, UNIVERSITY OF CAMBRIDGE, Cambridge, United Kingdom; Nathan Tintle, Dordt Univ, Sioux Center, IA; Markku Laakso, Inst of Clinical Med, Univ of Eastern Finland, Kuopio, Finland, Kuopio, Finland; Rob van Dam, Saw Swee Hock Sch of Public Health, Natl Univ of Singapore, Singapore, Singapore, Singapore; William Harris, Dept of Internal Med, Sanford Sch of Med, Univ of South Dakota, Sioux Falls, SD, USA. The Fatty Acid Res Inst, Sioux Falls, SD, USA, Sioux Falls, SD; Matti Marklund, The George Inst for Global Health and the Faculty of Med, Univ New South Wales, Sydney, Australia; Cecilia Samieri, BPH U1219, Univ Bordeaux, Bordeaux, France; MacKenzie Senn, USDA/ARS Children's Nutrition Res Ctr, Baylor Coll of Med, Houston, TX; Karin Leander, Karolinska Instt, Stocholm,

Sweden; Nita Forouhi, MRC Epidemiology Unit, Univ of Cambridge Sch of Clinical Med, Cambridge, United Kingdom; Ulf Riserus, UPPSALA UNIVERSITY, Uppsala, Sweden; Kou-Liong Chien, 1. Inst of Epidemiology and Preventive Med, Coll of Public Health, Natl Taiwan Univ and Dept of Internal Med, Natl Taiwan Univ Hosp and Coll of Med, Taipei, Taiwan; Amelia Chen, Dept of Medical Res, Taichung Veterans General Hosp, Taichung, Taiwan. 2. Heart Rhythm Ctr, Div of Cardiology, Dept of Med, Taipei Veterans General Hosp, Taipei, Taiwan, Tapei, Taiwan; Alexis Wood, Baylor, Houston, TX; Weihua Guan, Univ Minnesota, Minneapolis, United States Minor Outlying Islands; Michael Y Tsai, UNIVERSITY MINNESOTA, Minneapolis, MN; Rachel Murphy, Univ of British Columbia, Vancouver, BC, Canada; David S Siscovick, THE NEW YORK ACADEMY MEDICINE, New York, NY; Rozenn Lemaitre, 26. Cardiovascular Health Res Unit, Dept of Med, Univ of Washington, Seattle, WA; Dariush Mozaffarian, 25. Friedman Sch of Nutrition Science and Policy, Tufts Univ, Boston, MA; Qi Sun, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA

- MP63 **Higher Alternative Healthy Eating Index Scores Including Greater EPA and DHA Consumption Are Associated With Attenuated Platelet Function in the Framingham Heart Study**
Robin Pashek, Bongani Nkambule, Melissa Chan, Florian Thibord, Amber Lachapelle, Jason Cuhna, Ming-Huei Chen, NHLBI, Framingham, MA; Paul Jacques, Jiantao Ma, Tufts Univ, Boston, MA; Andrew Johnson, NHLBI, Framingham, MA
- MP64 **Impact of a Vegan Diet Compared to Omnivorous Diet on Blood Lipids and Weight Among Identical Twins: The Twins Nutrition Study (TwiNS) Randomized Controlled Trial**
Matthew J Landry, Catherine P Ward, Stanford Univ, Palo Alto, CA; Christopher D Gardner, STANFORD UNIVERSITY, Palo Alto, CA
- MP65 **Magnesium-Rich Diet Score is Inversely Associated With Incident Cardiovascular Disease: The Atherosclerosis in Communities (ARIC) Study**
Katherine L. Copp, Lyn M. Steffen, Univ of Minnesota, Minneapolis, MN; Casey M Rebholz, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Pamela L Lutsey, UNIVERSITY OF MINNESOTA, Minneapolis, MN; So-Yun Y Yi, Univ of Minnesota, Minneapolis, MN; Mary R Rooney, Johns Hopkins Univ, Baltimore, MD
- MP66 **The Interplay Between Diet, Circulating Indolepropionate Concentrations, and Cardiometabolic Health in US Populations**
Yang Hu, HSPH, Newton, MA; Jun Li, Brigham and Women's Hosp, Boston, MA; Lu Zhu, Harvard T.H. Chen Sch of Public Health, Boston, MA; Biqi Wang, Boston Univ, Newton, MA; Yanping Li, HARVARD UNIVERSITY, Boston, MA; Kerry L Ivey, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA; Kyu Ha Lee, Harvard Sch of Public Health, Boston, MA; A.Heather Eliassen, BWH, Boston, MA; Qibin Qi, ALBERT EINSTEIN COLLEGE OF MEDICINE, Bronx, NY; Andrew Chan, Massachusetts General Hosp, Boston, MA; Curtis Huttenhower, Harvard Sch of Public Health, Boston, MA; Eric B Rimm, HARVARD SCHOOL PUBLIC HEALTH, Boston, MA; Frank B Hu, Qi Sun, HARVARD SCHOOL OF PUBLIC HEALTH, Boston, MA

MPS.12 Physical Activity

- MP67 **The Relationship of Cardiorespiratory Fitness, Physical Activity, and Coronary Artery Calcification to Incident Cardiovascular Disease Events in Cardia Participants**
Yariv Gerber, TEL AVIV UNIVERSITY, Tel Aviv, Israel; Kelley Pettee Gabriel, Univ of Alabama at Birmingham, Birmingham, AL; David R Jacobs, Jr, Univ of Minnesota, Minneapolis, MN; Jennifer Y. Liu, Kaiser Permanente Northern California, Oakland, CA; Jamal S Rana, KAISER PERMANENTE, Oakland, CA; Barbara Sternfeld, Kaiser Permanente Northern California, Oakland, CA; J. Jeffrey Carr, Vanderbilt Univ Medical Ctr, Nashville, TN; Paul D. Thompson, Hartford Hosp, Hartford, CT; Stephen Sidney, KAISER PERMANENTE NORTHERN CAL, Oakland, CA

- MP68 **Adipokines as Mediators in the Association of Changes in Physical Activity With Diabetes: The Atherosclerosis Risk in Communities (ARIC) Study**
Amelia S Wallace, JH Bloomberg Sch. of Public Health, Baltimore, MD; Bige Ozkan, Johns Hopkins Univ, Baltimore, MD; Roberta Florido, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Justin B Echouffo Tcheugui, Johns Hopkins Hosp, Baltimore, MD; Erin D Michos, Johns Hopkins Univ, Clarksville, MD; VIJAY NAMBI, Baylor Coll of Med, Sugar Land, TX; Ebenezer Kobbie Aryee, Johns Hopkins Univ, Baltimore, MD; Ron C Hoogeveen, BAYLOR COLLEGE MEDICINE, Houston, TX; Christie M Ballantyne, BAYLOR COLLEGE MEDICINE, Houston, TX; Josef Coresh, JOHNS HOPKINS SPH WELCH CENTER, Baltimore, MD; Elizabeth Selvin, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Chiadi E Ndumele, JOHNS HOPKINS HOSPITAL, Baltimore, MD
- MP69 **Day-of-the-Week and Time-of-the-Day Temporal Patterns of Sedentary Behavior Among Hispanic / Latino Adults: Hispanic Community Health Study / Study of Latinos**
Beibo Zhao, Daniela Sotres-Alvarez, Kelly R Evenson, UNC, Chapel Hill, NC; Heather Greenlee, Fredhutch, Seattle, WA; Yasmin Mossavar-Rahmani, Qibin Qi, Albert Einstein Coll of Med, Bronx, NY; David Marquez, UIC, Chicago, IL; Tali Elfassy, Univ of Miami, Miami, FL; Denise C Vidot, Univ of Miami, Lauderhill, FL; Elva Arredondo, San Diego State Univ, San Diego, CA; Keith Diaz, Columbia Univ Medical Ctr, New York, NY
- MP70 **Proof-of-Concept Trial of a Positive Psychology-Based Physical Activity Intervention After Bariatric Surgery: The Gaining Optimism After Weight Loss Surgery (GOALS) Project**
Emily H Feig, Massachusetts General Hosp, Boston, MA; Claire Szapary, Yale Univ, New Haven, CT; Lauren E Harnedy, Crystal Castillo, Christina Psaros, Anne N Thorndike, Jeff C Huffman, Massachusetts General Hosp, Boston, MA
- MP71 **Associations Between Physical Activity Trajectories and Nonalcoholic Fatty Liver Disease: The Cardia Study**
Junia N. de Brito, DJ McDonough, Mahesh Mathew, Univ of Minnesota, Minneapolis, MN; Lisa B VanWagner, UT Southwestern Medical Ctr, Dallas, TX; Pamela J Schreiner, Univ of Minnesota, Minneapolis, MN; Kelley Pettee Gabriel, Univ of Alabama, Birmingham, AL; David R Jacobs Jr., Univ of Minnesota, Minneapolis, MN; James G Terry, John Jeffrey Carr, Vanderbilt Univ, Nashville, TN; Mark A Pereira, Univ of Minnesota, Minneapolis, MN
- MP72 **Intrinsic Motivation is Associated With Greater Physical Activity and Less Sedentary Behavior During Early Pregnancy**
Susan D Brown, Univ of California, Davis, Sacramento, CA; Michaela Kiernan, Stanford Univ Sch of Med, Stanford, CA; Samantha F Ehrlich, Univ of Tennessee, Knoxville, TN; Monique Hedderson, Saher Daredia, Andrea Millman, Kaiser Permanente Northern California, Oakland, CA; Matthew P Buman, Arizona State Univ, Phoenix, AZ; Hillary Serrato Bandera, Charles P Quesenberry, Assiamira Ferrara, Kaiser Permanente Northern California, Oakland, CA

MPS.13 Childhood/Pregnancy/Maternal Health

- MP73 **Cardiovascular Complications During Delivery Admissions Associated With Rheumatoid Arthritis: A National Inpatient Sample Analysis (2004-2019)**
Salman Zahid, Rochester General Hosp, ROCHESTER, NY; Mohamed Salah Mohamed, Rochester General Hosp, Rochester, NY; Muhammad Z Khan, West Virginia Univ, Morgantown, WV; Aardra Rajendran, Anum A Minhas, Johns Hopkins Univ, Baltimore, MD; Noreen Nazir, Univ of Illinois in Chicago, Chicago, IL; Anthony Ocon, Rochester General Hosp, ROCHESTER, NY; Brittany N Weber, BRIGHAM AND WOMENS HOSPITAL, Boston, MA; Ijeoma Isiadinso, Emory Univ Sch of Med, Atlanta, GA; Erin D Michos, Emory Univ Sch of Med, Atlanta, GA, Clarksville, MD

- MP74 **Trends in Cardiovascular Health Counseling Among Postpartum Individuals in the United States From 2016-2020: The Pregnancy Risk Assessment Monitoring System**
Natalie A Cameron, Lynn M Yee, Brigid M Dolan, Matthew J O'Brien, Philip Greenland, Sadiya S Khan, Northwestern Univ, Feinberg Sch of Med, Chicago, IL
- MP75 **History of Infertility is Associated With Midlife Cardiovascular Health in Females**
Amy R. Nichols, Harvard Medical Sch & HPHCI, Boston, MA; Sheryl L. Rifas-Shiman, Karen M. Switkowski, Harvard Medical Sch and HPHCI, Boston, MA; Jessica Young, Harvard Sch of Public Health & HPHCI, Boston, MA; Marie-France Hivert, Harvard Medical Sch and HPHCI, Boston, MA; Jorge Chavarro, Harvard Sch of Public Health, Boston, MA; Emily Oken, Harvard Medical Sch and HPHCI, Boston, MA
- MP76 **The Association Between Sleep Health and Gestational Weight Gain**
Marquis S Hawkins, Darya Pokutnaya, Lisa M. Bodnar, Univ of Pittsburgh, Pittsburgh, PA; Michele Levine, Univ Of Pittsburgh, Pittsburgh, PA; Daniel Buysse, Univ of Pittsburgh, Pittsburgh,, PA; Esa M Davis, Meredith L Wallace, Scott Rothenberger, Univ of Pittsburgh, Pittsburgh, PA; Phyllis Zee, Northwestern Univ, Chicago, IL; William Grobman, Ohio State Univ, Columbus, OH; Kathryn J Reid, Northwestern Univ, Chicago, IL; Francesca Facco, Univ of Pittsburgh, Pittsburgh, PA
- MP77 **Perceived Stress From Childhood to Young Adulthood and Cardiometabolic Endpoints in Young Adulthood: A Longitudinal Study of the Southern California Children's Health Study**
Fangqi Guo, UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES, CA; Xinci Chen, Phoebe Danza, Zhongzheng Niu, Yanjie Li, Univ of Southern California, Los Angeles, CA; Howard N Hodis, UNIV SOUTHERN CALIFORNIA, Los Angeles, CA; Carrie V Breton, UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles, CA; Theresa Bastain, **Shohreh F Farzan**, Univ of Southern California, Los Angeles, CA
- MP78 **Race/Ethnic Disparities in Children's Cardiovascular Health: The Role of Social Disadvantage in Early Life**
Liliana Aguayo, Nicole Danielle Fields, Emory Univ, Atlanta, GA

P03.01 Brain Health

- P500 **Age-Specific Population Attributable Fractions for the Impact of Hypertension on Dementia Risk**
Jason Smith, Dept of Epidemiology, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; A Richey Sharrett Sr., JOHN HOPKINS UNIV, Baltimore, MD; James Russell Pike, Univ of North Carolina, Chapel Hill, United States Minor Outlying Islands; Rebecca F Gottesman, NINDS, Baltimore, MD; David Knopman, Mayo Clinic, Rochester, MN; Mark Lee, Univ of Minnesota, Minneapolis, MN; Pamela L Lutsey, UNIVERSITY OF MINNESOTA, Minneapolis, MN; Priya Palta, Columbia Univ Medical Ctr, New York, NY; B Gwen Windham, UMMC, The MIND Ctr, Jackson, MS; Josef Coresh, JOHNS HOPKINS SPH WELCH CENTER, Baltimore, MD; Jennifer A. Deal, Johns Hopkins Univ, Baltimore, MD
- P501 **Midlife and Late-Life Non-Alcoholic Fatty Liver Disease and Incident Dementia: The Atherosclerosis Risk in Communities (ARIC) Study**
Yifei Lu, UNC at Chapel Hill, Chapel Hill, NC; James Russell Pike, Univ of North Carolina, Chapel Hill, United States Minor Outlying Islands; Ron C Hoogeveen, BAYLOR COLLEGE MEDICINE, Houston, TX; Keenan Walker, NIH/NIA/IRP, Mount Airy, MD; Laura M Raffield, UNC at Chapel Hill, Chapel Hill, NC; Elizabeth Selvin, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Christy L Avery, UNIV N CAROLINA, Chapel Hill, NC; Michelle M Mielke, Wake Forest Univ, Winston-Salem, NC; Tanya Garcia, Priya Palta, UNC at Chapel Hill, Chapel Hill, NC

- P502 **Blood Pressure Variability and Neurodegenerative Biomarkers: The Multidomain Alzheimer Preventive Trial**
Leonardo Bencivenga, Toulouse Inst of Aging, Toulouse, France; Mathilde Strumia, Yves Rolland, INSERM 1295, Toulouse, France; Sandrine Andrieu, Bruno Vellas, inserm 1295, toulouse, France; Philippe de Souto Barreto, inserm 1295, Toulouse, France; **Laure Rouch**, INSERM 1295, Toulouse, France
- P503 **Association Between Life's Simple 7 and the Risk of Dementia Among Women**
Pamela M Rist, BRIGHAM AND WOMENS HOSPITAL, Boston, MA; Melinda C Power, George Washington Univ, Washington, DC; I-Min Lee, Julie E Buring, Brigham and Women's Hosp, Boston, MA
- P504 **Prospective Associations of Midlife C3, C4 and Their Changes Since Midlife With Future Cognitive Performance: The Study of Women's Health Across the Nation HDL Ancillary Study**
Meiyuzhen Qi, Maria M Brooks, Univ of Pittsburgh Graduate Sch of Public Health, Pittsburgh, PA; Imke Janssen, RUSH UNIVERSITY MEDICAL CENTER, Chicago, IL; Dan McConnell, Univ of Michigan, Ann Arbor, MI; Emma Barinas-Mitchell, Univ of Pittsburgh Graduate Sch of Public Health, Pittsburgh, PA; Carol Derby, Albert Einstein Coll of Med, Bronx, NY; Arun Karlamangla, Univ of California Los Angeles David Geffen Sch of Med, Los Angeles, CA; Sybil Crawford, Univ of Massachusetts Chan Medical Sch, Worcester, MA; Trevor Orchard, Univ of Pittsburgh Graduate Sch of Public Health, pittsburgh, PA; Jeffrey Billheimer, Univ of Pennsylvania, Philadelphia, PA; Samar R El Khoudary, Univ of Pittsburgh Graduate Sch of Public Health, Pittsburgh, PA

P03.02 Neurocognition

- P505 **Midlife Cognitive Function is Associated With Gut Microbial Species and Metabolic Pathways: Coronary Artery Risk Development in Young Adults (CARDIA) Study**
Katie A Meyer, UNIVERSITY OF NORTH CAROLINA, Chapel Hill, NC; Anju Lulla, Univ of North Carolina, Chapel Hill, NC; Michael Wu, Fred Hutchinson Cancer Res Ctr, Seattle, WA; Ryan Demmer, UNIVERSITY OF MINNESOTA, Minneapolis, MN; Kristine Yaffe, UNIVERSITY OF MINNESOTA, Minneapolis, MN, San Francisco, CA; KRISTINE YAFFE, UNIVERSITY OF MINNESOTA, Minneapolis, MN, San Francisco, CA, San Francisco, CA; Kristine Yaffe, Univ of California, San Francisco, San Francisco, CA; Osorio Meirelles, Lenore Launer, Natl Inst on Aging, Baltimore, MD
- P506 **Timing of Cognitive Test Score Decline Before Incident Dementia in Middle Age Adults: The Atherosclerosis Risk in Communities (ARIC) Study**
Yunzhi Wang, Johns Hopkins Univ Bloomberg Sch of Public Health, Baltimore, MD; Josef Coresh, JOHNS HOPKINS SPH WELCH CENTER, Baltimore, MD; Andrea Schneider, Univ of Pennsylvania, Philadelphia, PA; David Knopman, Mayo Clinic, Rochester, MN; Thomas Mosley Jr., UNIV MS MEDICAL CTR, Jackson, MS; Richey Sharrett, Johns Hopkins Univ Bloomberg Sch of Public Health, Baltimore, MD
- P507 **Pre-Statistical Harmonization of Cognitive Measures Across Eight Population-Based NIH Cohorts in the Collaborative Cohort of Cohorts for COVID-19 Research (C4R)**
A. Zarina Kraal, Columbia Univ Irving Medical Ctr, New York, NY; Evelyn Ramirez, Child Mind Inst, New York, NY; Alice Gavarrete Olvera, Queens Coll at the City Univ of New York, New York, NY; Pallavi Balte, Columbia Univ Irving Medical Ctr, New York, NY; Emily M Briceno, Univ of Michigan Medical Sch, Ann Arbor, MI; Ryan T Demmer, Univ of Minnesota, Minneapolis, MN; Mitchell S V Elkind, Columbia Univ Irving Medical Ctr, New York, NY; Hector M González, Univ of California San Diego, La Jolla, CA; Alden L Gross, Johns Hopkins Univ, Baltimore, MD; Susan R Heckbert, Univ of Washington, Seattle, WA; Virginia J Howard, Univ of Alabama-Birmingham, Birmingham, AL; Akshaya Krishnaswamy, Columbia Univ Irving Medical Ctr, New York, NY; Deborah A Levine, Univ of Michigan Medical Sch, Ann Arbor, MI; Thomas H Mosley, Univ of Mississippi Medical Ctr, Jackson, MS; Elizabeth C Oelsner, Columbia Univ Irving Medical Ctr, New York, NY; Sudha Seshadri, Univ of Texas Health Science Ctr at San Antonio, San Antonio, TX; Astrid Suchy-Dicey, Washington State Univ, Seattle, WA; Kristine Yaffe, Univ of California San Francisco,

San Francisco, CA; Jennifer J Manly, Columbia Univ Irving Medical Ctr, New York, NY; Priya Palta, Univ of North Carolina at Chapel Hill, Chapel Hill, NC

P03.03 Cardiometabolic Health and Disorders 3

- P508 **Social Polarization and Parent Support for Child Physical Activity and Cardiovascular Health**
Vybhavi Kotireddy, Univ of Georgia, Alpharetta, GA; Christopher Carr, Univ of Georgia, Athens, GA; Jennifer L Gay, UNIVERSITY OF GEORGIA, Athens, GA; Junia N De Brito, Amanda Trofholz, Univ of Minnesota, Minneapolis, MN; Allan Tate, Univ of Georgia, Athens, GA; Jerica Berge, Univ of Minnesota Medical Sch, Minneapolis, MN
- P509 **Does HDL-C Classification as a Criterion for Metabolic Syndrome Contribute to Alleviated Risks of Future Atherosclerosis and Incident Diabetes Among Midlife Women? The Study of Women's Health Across the Nation (SWAN)**
Ziyuan Wang, Univ of Pittsburgh, Pittsburgh, PA; Monique Hedderson, Kaiser Permanente Northern Californ, Oakland, CA; Carol A Derby, Albert Einstein Coll of Med, Bronx, NY; Maria M Brooks, Rebecca C Thurston, Univ of Pittsburgh, Pittsburgh, PA; Sybil L Crawford, Univ of Massachusetts Chan Medical Sch, Worcester, MA; Imke Janssen, Rush Univ Medical Ctr, Chicago, IL; Daniel McConnell, The Univ of Michigan, Ann Arbor, MI; Emma Barinas-Mitchell, Samar R El Khoudary, Univ of Pittsburgh, Pittsburgh, PA
- P510 **Increase in Obesity Reduction Initiatives in San Francisco After Sugary Beverages Tax Implementation**
Allison Voorhees, Kaiser Permanente, Pasadena, CA; Galina Inzhakova, Kaiser Permanente, PASADENA, CA; Monique Hedderson, Kaiser Permanente Northern Californ, Oakland, CA; Jennifer Falbe, UC Davis, Davis, CA; Deborah R Young, KAISER PERMANENTE, Pasadena, CA
- P511 **Physical Activity, Medical, and Mental Health Outcomes of a Pilot Multilevel Intervention for People With Metabolic Syndrome**
Rachel A. Millstein, Lauren Harnedy, Massachusetts General Hosp, Boston, MA; Anne N Thorndike, MASSACHUSETTS GENERAL HOSPITAL, Boston, MA; Sonia Kim, Crystal Castillo, Elyse R. Park, Brian C. Healy, Massachusetts General Hosp, Boston, MA; Jeff C Huffman, Massachusetts General Hosp, Lexington, MA
- P512 **Association Between Resting Rate Pressure Product and All-Cause Mortality Among United States Adults**
Aayush Visaria, Seung Jae Moon, Pamela Panahon, Rutgers Robert Wood Johnson Medical Sch, New Brunswick, NJ
- P513 **Adverse Birth Outcomes and Cardiometabolic Outcomes Among Multiracial Children in the U.S.**
Abigail A Allen, UTHealth Houston Sch of Public Health, San Antonio, TX; Omobola O Oluwafemi, UTHealth Houston Sch of Public Health, Houston, TX; **Jenil Patel**, UTHealth Houston Sch of Public Health, Dallas, TX
- P514 **Evaluating the Concordance Between Trends in Prescription Volume and Online Interest for the Weight Loss Formulation of Semaglutide**
Rishav Adhikari, Omar Dzaye, Michael J Blaha, Johns Hopkins Univ Sch of Med, Baltimore, MD
- P515 **HIV/HCV Co-Infection and the Risk of Cardiovascular Disease: A Meta-Analysis of 91,153 Patients**
Ahmed Aljabali, Jordan Univ of Science and Technology, Irbid, Jordan; Sarya Swed, Aleppo university, Aleppo, Syrian Arab Republic; Bisher Sawaf, Dept of Internal Med, Hamad Medical Corp, Doha, Qatar; Basel Abdelazeem, McLaren Health Care, Flint, MI
- P516 **Multilevel Factors Are Related to Blood Pressure in Native Hawaiian Communities**

Claire T Ing, Hyeong Jun Ahn, Joseph K Kaholokula, Univ of Hawai'i at Mānoa, Honolulu, HI; Peter Hovmand, Case Western Reserve Univ, Cleveland, OH; Todd B. Seto, The Queen's Medical Ctr, Honolulu, HI; Rachel Novotny, Univ of Hawai'i at Mānoa, Honolulu, HI

- P517 **Ideal Cardiovascular Health and Adipokine Levels: The Multi-Ethnic Study of Atherosclerosis (MESA)**
Eric K Broni, Oluseye Ogunmoroti, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Olatokunbo I Osibogun, Florida Intl Univ, Miami, FL; Justin B Echouffo Tcheugui, Johns Hopkins Hosp, Baltimore, MD; Parag Anilkumar Chevli, Michael D Shapiro, Wake Forest Univ Sch of Med, Winston Salem, NC; Chiadi E Ndumele, JOHNS HOPKINS HOSPITAL, Baltimore, MD; Erin D Michos, Johns Hopkins Sch of Med, Clarksville, MD
- P518 **Distinctive Blood Metabolomic Profiles Between US-Born and Foreign-Born Hispanics/Latinos: The Hispanic Community Health Study/Study of Latinos (HCHS/SOL)**
Yang Li, Brandilyn Peters-Samuels, Albert Einstein Coll of Med, Bronx, NY; Bing Yu, UNIV OF TX HEALTH SCI CTR HOUSTON, Houston, TX; Carmen R Isasi, ALBERT EINSTEIN COLLEGE MEDICINE, Bronx, NY; Krista Perreira, Univ of North Carolina Sch, Chapel Hill, NC; Martha L Daviglus, UNIVERSITY ILLINOIS CHICAGO, Chicago, IL; Queenie M Chan, IMPERIAL COLLEGE LONDON, London, United Kingdom; Rob Knight, Depts of Pediatrics and Computer Science & Engineering, Univ of California San Diego, La Jolla, CA; Robert Burk, Albert Einstein Coll of Med, Bronx, NY; Robert Kaplan, Albert Einstein Coll of Med, Bronx, NY; Tao Wang, Dept of Epidemiology and Population Health, Albert Einstein Coll of Med, Bronx, NY; Qibin Qi, ALBERT EINSTEIN COLLEGE OF MEDICINE, Bronx, NY
- P519 **Reduced Liver Fat and Improved Cardiometabolic Health in Individuals With Non Alcoholic Fatty Liver Disease After a 12 Week Digital Intervention - A Feasibility Study**
Sigrídur Björnsdóttir, Hjartamidstodin, Kopavogur, Iceland; Hildigunnur Ulfssdóttir, Elias Freyr Gudmundsson, Kolbrun Sveinsdóttir, Sidekick Health, Kopavogur, Iceland; Ari Pall Isberg, Sidekick Health, Reykjavik, Iceland; Gudlaug Björnsdóttir, 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

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- P521 **Association Between Dietary Phytosterols and Risk of Cardiovascular Disease Mortality in US Adults: Findings From the Third National Health and Nutrition Examination Survey (NHANES III), 1988-1994**
Julianah O Oguntala, Andreea Zurbau, Univ of Toronto - Temerty Faculty of Med, Toronto, ON, Canada; Meghan E Kavanagh, Univ of Toronto, Toronto, ON, Canada; Andrea Glenn, Laura Chiavaroli, Tauseef A Khan, Sonia Blanco Meija, David J Jenkins, Univ of Toronto - Temerty Faculty of Med, Toronto, ON, Canada; Cyril Kendall, Univ of Toronto, Toronto On, ON, Canada; John L Sievenpiper, St. Michaels Hosp, Toronto, ON, Canada
- P522 **Breast Arterial Calcification Predicts Heart Failure Across Racial and Ethnic Groups**
Tara Shrout Allen, Greg M Petersen, Univ of California, San Diego, San Diego, CA; Richard Mantey, Curemetrix, Redwood City, CA; Junhao Wang, Curemetrix, San Diego, CA; Nitesh Nerlekar, MonashHeart, Hawthorn East, Australia; Nora Belrose, Curemetrix, La Jolla, CA; Mohammad Eghtedari, Univ of California, San Diego, La Jolla, CA; Quan M Bui, UC San Diego, La Jolla, CA; Lori B Daniels, Univ of California, San Diego, Del Mar, CA
- P523 **Joint Improvement Scale of Loneliness and Traditional Risk Factor Control, and Incident Cardiovascular Disease in Diabetes Patients**
Xuan Wang, Tulane Univ, New Orleans, LA; Hao Ma, Tulane university, New Orleans, LA; Xiang Li, Tulane Univ, New Orleans, LA; Yoriko Heianza, TULANE UNIVERSITY, New Orleans, LA; Vivian A

Fonseca, TULANE UNIV HEALTH SCI CTR, New Orleans, LA; Lu Qi, TULANE UNIVERSITY, New Orleans, LA

- P524 **Metabolic Vulnerability and Frailty for Risk Stratification in Heart Failure: A Community Cohort Study**
Sant Kumar, MedStar Georgetown Univ Hosp, Washington, DC; Katie Conners, Jungnam Joo, Sarah Turecamo, Natl Insts of Health, Bethesda, MD; Maureen Sampson, NIH, Bethesda, MD; Anna T Wolska, Natl Insts of Health, Bethesda, MD; Alan T Remaley, NIH, Bethesda, MD; Margery Connelly, NMR Diagnostics, Labcorp, Morrisville, NC; James D Otvos, Lipo Science Inc, Morrisville, NC; Nicholas B Larson, Suzette J Bielinski, MAYO CLINIC, Rochester, MN; Joe Shearer, NHLBI, Bethesda, MD; Veronique L Roger, NIH, Bethesda, MD
- P525 **Associations of Body Mass Index Variability From Childhood and Midlife Dyslipidemia**
Soo Jung Kang, Ileana De Anda-Duran, Shirine Moukaled, Camilo Fernandez, Tulane Univ, New Orleans, LA; Lydia A Bazzano, TULANE UNIVERSITY, New Orleans, LA
- P526 **Associations of Body Mass Index Variability From Childhood and Midlife Class II and Class III Obesity**
Soo Jung Kang, Ileana De Anda-Duran, Shirine Moukaled, Camilo Fernandez, Tulane Univ, New Orleans, LA; Lydia A Bazzano, TULANE UNIVERSITY, New Orleans, LA
- P527 **Epidemiology of Adverse Childhood Experiences and Cardiometabolic Risks**
Tyra Dark, Jacob Chernicky, Rachel Harris, Florida State Univ, Tallahassee, FL
- P528 **Acute Kidney Injury Increases Mortality in Patients With Upper Gastrointestinal Hemorrhage (UGIB) and Acute Coronary Syndrome: A Population Based Study**
Yaser Khalid, Wright Ctr for GME, Geisinger Health System, Scranton, PA; Kirti Dasu, Drexel Sch of Med/Biomedical Sciences, Philadelphia, PA; Rohan Umrani, Neethi Dasu, Trinava Roy, Jefferson Health NJ, Voorhees, NJ; **Bhavana Kadiyala**, -, Voorhees, NJ
- P529 **Association of Metabolic Syndrome With Angina: Results From NHANES 2009 - 2020**
Olayinka Agboola, St. Mary's Hosp, Waterbury, CT; Yu Niu, Valentine Njike, Griffin Hosp, Derby, CT
- P530 **Building a Heart Disease Detection Web Application**
Joana Tome, Logan Cowan, Georgia Southern Univ, Statesboro, GA
- P531 **Arterial Stiffness and Vasomotor Symptoms: Key Factors Related to 10-year Atherosclerotic Cardiovascular Disease Risk in Perimenopausal Latinas**
Valentina Marginean, The Brody Sch of Med at East Carolina Univ, Greenville, NC; Andrea Cazales, Latesha K. K Harris, Univ of North Carolina at Chapel Hill Sch of Nursing, Chapel Hill, NC; Lee Stoner, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Cheryl Giscombe, Univ of North Carolina at Chapel Hill Sch of Nursing, Chapel Hill, NC; Krista Perreira, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Yamnia I Cortes, Univ of North Carolina at Chapel Hill Sch of Nursing, Chapel Hill, NC
- P532 **Risk Factor Differences for Coronary Artery Calcium in Self versus Provider-Referred Groups**
Rebekah Lantz, Premier Health Network, Dayton, OH; Srikanth Sadhu, Premier Cardiovascular Inst, Dayton, OH
- P533 **Consumption of Foods Away From Home and Cardiometabolic Risk Among Adults in Puerto Rico**
June O'Neill, Josiemer Mattei, Harvard Chan Sch of Public Health, Boston, MA; Katherine L Tucker, Univ of Massachusetts Lowell, Lowell, MA; Jose F Rodriguez-Orengo, FDI Clinical Res, San Juan, Puerto Rico
- P535 **Associations of Genetically Determined Favourable and Unfavourable Adiposity Across the Phenome**

Marie-Joe Dib, Loukas Zagkos, Paul Elliott, Abbas Dehghan, Imperial Coll London, London, United Kingdom; Ioanna Tzoulaki, IMPERIAL COLLEGE LONDON, London, United Kingdom

P03.05 Chronic Kidney Disease

- P536 **The Association Between Arterial Stiffness and Incident Chronic Kidney Disease in a Large Community Cohort: The Atherosclerosis in Communities (ARIC) Study**
Zhiqi Yao, Junichi Ishigami, Esther Kim, Shoshana Ballew, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Yingying Sang, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Hirofumi Tanaka, UNIVERSITY OF TEXAS AUSTIN, Austin, TX; Michelle Meyer, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Josef Coresh, JOHNS HOPKINS SPH WELCH CENTER, Baltimore, MD; Kunihiro Matsushita, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD
- P537 **Abnormal Serum Potassium is Associated With Risk of Cardiovascular Disease in Patients With Chronic Kidney Disease**
Jenilee C Cueto, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA; Andrei Robert Stefanescu, Gies Coll of Business, Univ of Illinois, Ypsilanti, MI; Samantha O'Connell, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA; Hua He, Tulane Univ Sch of Public Health and Tropical Med, Tulane Univ Translational Science Inst, New Orleans, LA; Jing Chen, Tulane Univ Sch of Med, Tulane Univ Translational Science Inst, New Orleans, LA; Morgan Grams, NYU Langone Dept of Med, New York, NY; Amanda H Anderson, Jiang He, Katherine T Mills, Tulane Univ Sch of Public Health and Tropical Med, Tulane Univ Translational Science Inst, New Orleans, LA
- P538 **Abnormal Serum Potassium is Associated With Risk of Chronic Kidney Disease Progression and All-Cause Mortality in Patients With Chronic Kidney Disease**
Samantha O'Connell, Tulane Univ, New Orleans, LA; Andrei Robert Stefanescu, Univ of Chicago, Chicago, IL; Jenilee Cueto, Hua He, Tulane Univ, New Orleans, LA; Jing Chen, Tuland Sch of Med, New Orleans, LA; Morgan Grams, NYU Langone, New York, NY; Amanda H Anderson, Jiang He, Katherine T Mills, Tulane Univ, New Orleans, LA
- P539 **Advanced Chronic Kidney Disease Does Not Significantly Affect All-Cause Mortality and Rate of Hemodynamic Complications in Acute Pericarditis**
Dennis Kumi, John H stroger Hosp of Cook cou, Chicago, IL; Edwin Gwira-Tamattey, Ufuk Vardar, Sadichhya Karki, John H stroger Hosp of Cook county, Chicago, IL; Birju Patel, John H. Stroger Jr. Hosp of Co, Chicago, IL

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- P540 **Cardiovascular Disease Risk Factors and Antibody Response to COVID-19 Vaccination: The C4R Study**
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NY; Ryan Demmer, Univ of Minnesota, Minneapolis, MN

- P541 **Trends in Initiation of Anticoagulation for Atrial Fibrillation in the Early Months of the COVID-19 Pandemic**
Lanting Yang, Univ of Pittsburgh, Pittsburgh, PA; Shangbin Tang, Meiqi He, Univ of California, San Diego, La Jolla, CA; Jingchuan Guo, Univ of Florida, Gainesville, FL; Nico Gabriel, Univ of California, San Diego, La Jolla, CA; Gretchen Swabe, Walid Gellad, Utibe R Essien, Univ of Pittsburgh, Pittsburgh, PA; Samir Saba, UPMC, Pittsburgh, PA; Emelia J Benjamin, BOSTON UNIVERSITY SCHOOL MEDICINE, Brookline, MA; Jared W Magnani, Univ of Pittsburgh, Pittsburgh, PA; Inmaculada Hernandez, UCSD, La Jolla, CA
- P542 **Classifying COVID-19 Related Hospitalizations and Deaths in the Collaborative Cohort of Cohorts for COVID-19 Research (C4R) Study**
Akshaya Krishnaswamy, Columbia Univ, New York, NY; Tauqeer Ali, Univ of Oklahoma Health Sciences Ctr, Oklahoma City, OK; Alex Arynychyn, Univ of Alabama at Birmingham, Birmingham, AL; Harry Chang, Columbia Univ, New York, NY; Lucas Chen, MetroWest Medical Ctr, Framingham, MA; Mitchell Elkind, Columbia Univ, New York, NY; Carmen R Issasi, Albert Einstein Coll of Med, Bronx, NY; Lauren Jager, Univ of Washington, Seattle, WA; Ling Jin, Univ of Alabama at Birmingham, Birmingham, AL; Maureen R Kelly, Columbia Univ, New York, NY; Anna Kucharska-Newton, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Victor E Ortega, Mayo Clinic, Phoenix, AZ; Ashmi A Patel, Columbia Univ, New York, NY; Lisa Reeves, Kimberly B Ring, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Cheryl Tarlton, Univ of Oklahoma Health Sciences Ctr, Oklahoma City, OK; Janis Tse, Boston Univ, Boston, MA; Elman Urbina, Univ of Tennessee Medical Ctr, Knoxville, TN; Maya Vankineni, Columbia Univ, New York, NY; Sally E Morganroth, Univ of Pittsburgh, Pittsburgh, PA; Jihyun Yang, MetroWest Medical Ctr, Framingham, MA; Ying Zhang, Univ of Oklahoma Health Sciences Ctr, Edmond, OK; Wendy S Post, Johns Hopkins Univ, Baltimore, MD; Elizabeth C. Oelsner, Columbia Univ, New York, NY; C4R Events Subcommittee
- P543 **Longitudinal Change in Perceived Loneliness Among Older Adults During the COVID-19 Pandemic: The Atherosclerosis Risk in Communities (ARIC) Study**
Anna Kucharska-Newton, UNIVERSITY NORTH CAROLINA, Chapel Hill, NC; Joe Coresh, Melissa Minotti, Johns Hopkins Univ, Baltimore, MD; Kimberly Ring, UNC - Biostatistics, Chapel Hill, NC; Lynne Wagenknecht, Wake Forest Univ, Winston-Salem, NC; Timothy M Hughes, Wake Forest Univ, Winston Salem, NC; Silvia Koton, Johns Hopkins Univ, Baltimore, MD; Asma Sharaf, Columbia Univ, New York, NY; Thomas Mosley Jr., UNIV MS MEDICAL CTR, Jackson, MS; Priya Palta, Columbia Univ Medical Ctr, New York, NY; Elizabeth Oelsner, Columbia Univ, New York, NY
- P544 **Post-COVID-19: Predictors of Pulmonary Fibrosis**
Cristina P Baena, PUCPR, Curitiba, Brazil; Ariele Barreto Haagsma, Pontificia Univ Católica do Paraná, Curitiba, Brazil; Maria Fernanda Vieira, Maria Letícia Tebet, Rebecca Stival, PUCPR, Curitiba, Brazil
- P545 **Association Between Inpatient Glycemic Variability and COVID-19 Mortality - A Prospective Study**
Cristina Pelegrino Baena, Rebecca Benicio Stocco, Julia do Carmo Lopes, Marcos Roberto Pereira, Marcia Olandoski, Henrique Demeneck, Salma Ali Parolin, PUC PR, Curitiba, Brazil
- P546 **Depressive Symptoms and Perceived Stress Are Associated With Post-Acute Sequelae of Sars-CoV-2 Infection**
Oluwabunmi V Ogungbe, Nwakaego Nmezi, Johns Hopkins Univ, Baltimore, MD; Sarah Slone, Univ of South Carolina, Baltimore, MD; Khadijat Adeleye, Univ of Massachusetts Amherst, Amherst, MA; Ruth-Alma Turkson-Ocran, Harvard Medical Sch; Beth Israel Deaconess Medical Ctr, Boston, MA; Patricia Davidson, Univ of Wollongong, Wollongong, Australia; Yvonne Commodore-Mensah, JOHNS HOPKINS SCHOOL OF NURSING, Baltimore, MD
- P547 **Post Acute COVID Syndrome: Clinical and Laboratory Evaluation of Survivors in a Longitudinal Cohort Study**

Ariele Barreto Haagsma, Rebecca Saray Marchesini Stival, Felipe Giaretta Otto, Gabriel Savogin Andraus, Pontifical Catholic Univ of Paraná, Curitiba, Brazil; Cristina P Baena, PUCPR, Curitiba, Brazil

P03.07 Genetics

- P548 **Epigenome-Wide Association Meta-Analysis of Obesity in African Americans**
Kendra Ferrier, Univ of Colorado Denver, Aurora, CO; Ethan Lange, Univ of Colorado, Aurora, CO; Jerome I Rotter, The Lundquist Inst, Torrance, CA; Stephen S Rich, UNIVERSITY VIRGINIA, Charlottesville, VA; David van der Berg, Univ of Virginia, Charlottesville, VA; Silva Kasela, Columbia Univ, New York, NY; Leslie Lange, Univ of Colorado, Aurora, CO
- P550 **Genome-Wide Association Analysis Identified Genetic Variants Associated With Cardiac Structure and Function in the Hispanic Community Health Study/Study of Latinos**
Guning Liu, Univ of Texas Health Science Ctr at Houston, Houston, TX; Qibin Qi, Robert Kaplan, Dept of Epidemiology and Population Health, Albert Einstein Coll of Med, Bronx, NY; Susan Cheng, Cedars-Sinai Medical Ctr, Los Angeles, CA; Carlos J. Rodriguez, Dept of Med, Epidemiology and Population Health, Albert Einstein Coll of Med, Bronx, NY; Bing Yu, UNIV OF TX HEALTH SCI CTR HOUSTON, Houston, TX
- P551 **Genetic Variants in the Adenosine Triphosphate-Binding Cassette Transporter A1 and Risk of Age-Related Macular Degeneration**
Liv Nordestgaard, Mette Christoffersen, Dept of Clinical Biochemistry, Rigshospitalet, Copenhagen, Denmark; Shoaib Afzal, Borge G Nordestgaard, Dept of Clinical Biochemistry, Herlev Gentofte Hosp, Herlev, Denmark; Anne Tybjaerg-Hansen, Ruth Frikke-Schmidt, Dept of Clinical Biochemistry, Rigshospitalet, Copenhagen, Denmark
- P552 **Mendelian Randomization Analysis of Metabolites Associated With Severe Obesity in the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)**
Kristin Young, UNIVERSITY OF NORTH CAROLINA, Chapel Hill, NC; Victoria L Buchanan, Univ of North Carolina, Chapel Hill, Chapel Hill, NC; Mariaelisa Graff, UNC-CHAPEL HILL, Chapel Hill, NC; Mohanrah Krishnan, UNIVERSITY OF NORTH CAROLINA, Chapel Hill, NC; Heather Highland, Univ of North Carolina, Chapel Hill, NC; Bing Yu, UNIV OF TX HEALTH SCI CTR HOUSTON, Houston, TX; Christy L Avery, UNIV N CAROLINA, Chapel Hill, NC; Steve Buyske, Rutgers Univ, Piscataway, NJ; Jianwen Cai, UNC Chapel Hill, Chapel Hill, NC; Martha L Daviglus, UNIVERSITY ILLINOIS CHICAGO, Chicago, IL; Annie Green Howard, UNIVERSITY OF NORTH CAROLINA, Chapel Hill, NC; Carmen R Isasi, ALBERT EINSTEIN COLLEGE MEDICINE, Bronx, NY; Robert Kaplan, Albert Einstein Coll of Med, Bronx, NY; Ruth Loos, Icahn Sch of Med at Mount Sinai, New York City, NY; Qibin Qi, ALBERT EINSTEIN COLLEGE OF MEDICINE, Bronx, NY; Rebecca Rohde, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Jerome I Rotter, The Lundquist Inst, Torrance, CA; Linda Van Horn, NORTHWESTERN UNIV MEDICAL SCH, Chicago, IL; Penny Gordon-Larsen, UNC-CHAPEL HILL, Chapel Hill, NC; Eric Boerwinkle, UTHealth, Houston, TX; Kari E North, UNC CHAPEL HILL, Chapel Hill, NC
- P554 **Association of a Genetic Risk Score With Cholesterol and Cholesterol Control: Findings From the Hispanic Community Health Study/Study of Latinos**
Christina G Hutten, Univ of Illinois at Chicago, Chicago, IL; Tamar Sofer, Brigham and Women's Hosp; Harvard Medical Sch, Boston, MA; Molly Scannell Bryan, Univ of Illinois at Chicago, Chicago, IL; Jiehuan Sun, Univ of Illinois at Chicago, Chicago, IL; Victoria Weyler Persky, Martha L Daviglus, Maria Argos, Univ of Illinois at Chicago, Chicago, IL
- P555 **Variants of Neurocan, a Nonalcoholic Fatty Liver Disease Risk Allele, Are Associated With Plaque Development in the Carotid Artery Over 5 Years**

Hiroaki Ikezaki, KYUSHU UNIVERSITY, Fukuoka, Japan; Ernst J Schaefer, TUFTS UNIVERSITY, Boston, MA; Masayuki Murata, KYUSHU UNIVERSITY, Fukuoka, Japan; Nobuyuki Shimono, KYUSHU UNIVERSITY HOSPITAL, Fukuoka, Japan

P03.08 Global Health

- P556 **Temporal and Global Trends of the Incidence of Sudden Cardiac Death in Hypertrophic Cardiomyopathy: A Meta-Analysis**
Omar M Abdelfattah, Matthew Martinez, Morristown Medical Ctr, Morristown, NJ; Ahmed Sayed, Ain Shams Univ, Cairo, Egypt, Cairo, Egypt; Mohamed ElRefaei, Ain Shams Univeristy, Cairo, Egypt; Abdelrahman Abushouk, Cleveland Clinic, Cleveland, OH; Ahmed Hassan, Univeristy of Toronto, Toronto, ON, Canada; Ahmad Masri, OHSU, Portland, OR; Stephen L Winters, Morristown Medical Ctr, Morris Plains, NJ; Samir Kapadia, Cleveland Clinic Fndn, Cleveland, OH; Barry Maron, Ethan J Rowin II, Lahey Hosp, Burlington, MA; Martin Maron, Lahey Hosp, Boston, MA
- P557 **A Landscape Analysis of Team-Based Care for Hypertension Control in Low-and Middle-Income Countries**
Oluwabunmi V Ogungbe, Johns Hopkins Univ, Baltimore, MD; Danielle Cazabon, Resolve to Save Lives, New York, NY; Andrew E Moran, Resolve to Save Lives; Columbia Univ Irving Medical Ctr, Columbia Univ, New York, NY; Dinesh Neupane, Johns Hopkins Univ, Baltimore, MD; Cheryl R Dennison Himmelfarb, JOHNS HOPKINS UNIV, Baltimore, MD; Anbrasi Edward, George Pariyo, Johns Hopkins Univ, Baltimore, MD; Lawrence J Appel, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Kunihiro Matsushita, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Hongwei ZHANG, Hosp of Shunyi District, Beijing, China; LIU Tong, Vital Strategies, Jinan, China; Dessie Girma, Resolve to Save Lives, New York, NY; Addisu Worku, Federal Ministry of Health, Addis Ababa, Ethiopia; Sohel Reza Choudhury, Shamim Jubayer, Mahfuzur Rahman Bhuiyan, Shahinul Islam, Natl Heart Fndn of Bangladesh, Dhaka, Bangladesh; Kufor Osi, Joseph Odu, Resolve to Save Lives, New York, NY; Obagha Chijioke Emmanuel, World Health Organization, Abuja, Nigeria; Ojji Dike, Univ of Abuja, Abuja, Nigeria; Mark D Huffman, Washington Univ in St. Louis, Saint Louis, MO; Yvonne Commodore-Mensah, JOHNS HOPKINS SCHOOL OF NURSIN, Baltimore, MD
- P558 **Association of Reproductive Characteristics With Cardiometabolic Risk Factors in Women in India an Analysis of Nationally Representative Data**
Vinita Subramanya, Emory Rollins SPH, San Francisco, CA; Shivani A Patel, Jithin Sam Varghese, Emory Univ, Atlanta, GA; Shakira F Suglia, Emory UNIVERSITY, Atlanta, GA; K M Narayan, EMORY UNIVERSITY, Atlanta, GA; Alvaro Alonso, Emory Univ, Atlanta, GA
- P559 **Evaluating Geographic Variation in Hypertension in Urban Haiti: Findings From the Haiti Cardiovascular Disease Cohort Study**
Rehana Rasul, Graduate Sch of Public Health and Health Policy, City Univ of New York, New York, NY; Vanessa Rouzier, Lily D Yan, Weill Cornell Med, New York, NY; Rodney Sufra, Haitian Group for the Study of Kaposi's Sarcoma and Opportunistic Infections (GHESKIO), Port-au-Prince, Haiti; Shalom Sabwa, Nour Mourra, Weill Cornell Med, New York, NY; Marie Deschamps, Haitian Group for the Study of Kaposi's Sarcoma and Opportunistic Infections (GHESKIO), Port-au-Prince, Haiti; Jean Pape, Weill Cornell Med, New York, NY; Denis Nash, Graduate Sch of Public Health and Health Policy, City Univ of New York, New York, NY; Margaret McNairy, Weill Cornell Med, New York, NY
- P560 **Pilot Study Reveals Excellent Agreement in the Diagnosis of Diabetes Between the Newly Developed Pastry Sugar Tolerance Test and the OGTT: Africans in America Study**
Blayne R Schenk, Jamaica Hurston, Natl Insts of Health, Bethesda, MD; Jean de Dieu Gatete, Partners in Health, Kigali, Rwanda; Christopher W DuBose, Lilian Mabundo, Shanna Yang, Charlita Worthy, Natl Insts

of Health, Bethesda, MD; Ram Jagannathan, Emory Univ, Decatur, GA; Amber B Courville, **Anne E Sumner**, Natl Insts of Health, Bethesda, MD

- P561 **Reallocation of Sedentary Time With Light Physical Activity is Associated With Higher Sleep Efficiency in African Caribbeans**
Adrianna Isabel Acevedo-Fontanez, Ryan Cvejkus, Marquis Hawkins, Allison L Kuipers, Megan M Marron, Joseph Zmuda, Emma Barinas-Mitchell, Univ of Pittsburgh, Pittsburgh, PA; Victor Wheeler, Tobago Health Studies, Scarborough, Trinidad and Tobago; Iva Miljkovic, UNIVERSITY PITTSBURGH, Pittsburgh, PA
- P562 **Body Size Dissatisfaction is High in African Immigrants With Obesity: Insight From the Africans in America Cohort**
Jamaica S Hurston, NATIONAL INSTITUTES OF HEALTH, Bethesda, MD; Elyssa M Shoup, Natl Insts of Health, Bethesda, MD; Jean de Dieu Gatete, Charlita C. Worthy, Blayne R Schenk, NATIONAL INSTITUTES OF HEALTH, Bethesda, MD; Lilian S Mabundo, Natl Insts of Health, Bethesda, MD; Christopher W DuBose, Natl Inst of Health, BETHESDA, MD; Margrethe F Horlyck-Romanovsky, Brooklyn Coll, Brooklyn, NY; Ram Jagannathan, Anne E Sumner, NATIONAL INSTITUTES OF HEALTH, Bethesda, MD
- P563 **Exploring Facility and Patient-Level Determinants of Changes in Systolic Blood Pressure Among Patients With Hypertension: A Multicenter Study in Ghana**
Samuel Byiringiro, Thomas Hinneh, Johns Hopkins Univ, Baltimore, MD; FRED S SARFO, KNUST, KUMASI, Ghana; Yvonne Commodore-Mensah, Johns Hopkins Univ, Elkridge, MD; Shadrack Osei Asibey, Komfo Anokye Teaching Hosp, Kumasi, Ghana; Cheryl R Dennison Himmelfarb, JOHNS HOPKINS UNIV, Baltimore, MD
- P564 **Prevalence of Metabolic Syndrome in a Young Sub-Saharan African Community**
Mame Awa Sene, Ibrahima Bara Diop, The African Res Network non communicable diseases, Dakar, Senegal; Audrey Geoffroy, The African Res Network non communicable diseases, Paris, Senegal; Awa Ba, The African Res Network non communicable diseases, Dakar, Senegal; Sidy Seck, African Acad of Methodology and Statistics, Dakar, Senegal; Mor Diaw, The African Res Network non communicable diseases, Lab of physiology, Faculty of Med Pharmacy and Odontology Univ Cheikh Anta Diop of Dakar SENEGAL, Dakar, Senegal; Gabriel S Tajeu, Temple Univ, Philadelphia, PA; Xavier Jouven, INSERM U970 team 4, Paris, France; Bamba Gaye, INSERM U970, PARCC, Paris, France
- P565 **Social and Health Determinants of Cardiology Follow-Up Indication in a Sub-Saharan Africa Community**
Audrey Geoffroy, The African Res Network non communicable diseases, Dakar, Senegal; Nguetta Roland, Abidjan Heart Inst, Abidjan, Côte D'Ivoire; Ibrahima Bara Diop, The African Res Network non communicable diseases, Univ de Paris, Integrative Epidemiology of Cardiovascular Diseases, Paris Cardiovascular Res Ctr-INSERM U970, Paris, France, Dakar, Senegal; Sarah Kerjean, The Heart Fund, New York, New York, NY; Virginie Gallardo, The Heart Fund, New York, New York, NY; Elisabeth L Sattler, UNIVERSITY OF GEORGIA, Athens, GA; Abdoulaye SAMB, Lab of Physiology and Functional Exploration, FMPO, UCAD, Dakar, Senegal; Xavier Jouven, The African Res Network non communicable diseases, Dakar, Senegal; Bamba Gaye, The African Res Network non communicable diseases, Univ de Paris, Integrative Epidemiology of Cardiovascular Diseases, Paris Cardiovascular Res Ctr-INSERM U970, Paris, France, Dakar, Senegal
- P566 **Prevalence of Renal Failure in a Young Community-Based Sub-Saharan African Population**
Al Haaj Madické Diack, The African Res Network non communicable diseases, Dakar, Senegal; Bamba Gaye, The African Res Network non communicable diseases, Cardiology Dept, Univ Hosp of Fann, Dakar, Senegal, Dakar, Senegal; Audrey Geoffroy, The African Res Network non communicable diseases, Dakar, Senegal; Awa Ba, The African Res Network non communicable diseases, Dakar, Senegal; Mor Diaw, The African Res Network non communicable diseases, Lab of Physiology and Functional Exploration, FMPO, UCAD, Dakar, Senegal; Ibrahima Bara Diop, The African Res Network non communicable diseases,

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- P567 **Cardiovascular Health Awareness and Risk Assessment in Schoolteachers in Calcutta, India**
Madhab Ray, Tufts Univ Sch of Med, Boston, MA; Santanu Guha, Kolkata Medical Coll, Kolkata, India; Bipasha Ray, Univ of Michigan, Ann Arbor, MI; Varun Saxena, Emory Univ, Atlanta, GA; **Badri Viswanathan**, Hillsdale High Sch, San Mateo, CA; Meghna Ray, Emory Univ, Atlanta, GA; Vivaan Desai, Algonquin Regional High Sch, Northborough, MA; Nina Velu, Boston Univ, Boston, MA; Umika Paul, Univ of Massachusetts Chan Sch of Med, Worcester, MA; Ishi Singh, Sriyani Ray, Vellore Inst of Technology, Vellore, India; Dhriti Mandal, Buckingham Medical Sch, Buckingham, United Kingdom; Bedatrayee Roy, Medical Coll, Kolkata, India; Srijon Mandal, Amador Valley High Sch, Pleasanton, CA; Prakash C. Hazra, Central Government Health Services, Calcutta, India; Chaya D. Ray, BIDMC, Haverhill, MA; Sudipta Chaudhuri, Sujata Devi Vidyamandir, Kolkata, India; Avik Karak, Basabendra Chowdhury, Medical Coll, Kolkata, India; Deepak L. Bhatt, Brigham and Women's Hosp, Boston, MA; Robert J. Goldberg, Univ of Massachusetts Sch of Med, Worcester, MA; Harry P. Selker, Tufts Univ Sch of Med, Boston, MA

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- P568 **Osteoporosis and Cardiovascular Disease-Related Mortality Trends in the United States, 1999 – 2020**
Ramzi Ibrahim, Univ of Arizona, Tucson, AZ; Abdulla Alabagi, Univ of Arizona Tucson, Tucson, AZ; Mohammed Salih, The Heart Hosp Baylor Plano, Plano, TX; Adam Habib, **Vikram Singh**, Simar Singh, Soumiya Ravi, Univ of Arizona Tucson, Tucson, AZ; Justin Z Lee, Cleveland Clinic, Cleveland, OH
- P569 **Social Determinants of Health and 30-day Readmission or Emergency Department Use After Acute Myocardial Infarction**
Koby Amankwah, Orysya Soroka, Laura Pinheiro, Madeline R Sterling, Weill Cornell Med, New York City, NY; Ernest Amankwah, Johns Hopkins Med, St Petersburg, FL; Zaid Almarzooq, Brigham and Women's Hosp, Boston, MA; Monika M Safford, Weill Cornell Med, New York City, NY
- P570 **The Association of Ideal Cardiovascular Health With Self-Reported Health in Black American Women**
Faith E Metlock, Johns Hopkins Sch of Nursing, Baltimore, MD; Sarah Addison, The Ohio State Univ Coll of Med, Columbus, OH; Amaris Williams, Songzhu Zhao, Dept of Biomedical Informatics and Ctr for Biostatistics, The Ohio State Univ, Columbus, OH; Joshua J Joseph, The Ohio State Univ Coll of Med, Columbus, OH; Timiya S. Nolan, The Ohio State Univ Coll of Nursing, Columbus, OH
- P571 **Investigating Factors Relevant to Understanding the Hispanic Health Paradox in Patients After Cardiac Arrest**
Marthina A Correa, Gaspar J Cruz, Michelle L David, Danielle A. Rojas, Columbia Univ Irving Medical Ctr, New York, NY; Isabella M. Tincher, Columbia Univ Irving Medical Ctr, New York City, NY; Gabriel J. Sanchez, Tara St. Onge, Jeffrey L. Birk, Sachin Agarwal, Columbia Univ Irving Medical Ctr, New York, NY
- P572 **Racial and Ethnic Disparities in Healthcare Access and Utilization Among People With Diabetes in the US**
Thomas Hinneh, Johns Hopkins Univ, BALTIMORE, MD; Faith Metlock, Oluwabunmi V Ogunbe, Johns Hopkins Univ, Baltimore, MD; Abeer Alharthi, Johns Hopkins Univ, Baltimore, MD; Cheryl R Dennison Himmelfarb, JOHNS HOPKINS UNIV, Baltimore, MD; Yvonne Commodore-Mensah, JOHNS HOPKINS SCHOOL OF NURSING, Baltimore, MD
- P573 **Educational Assortative Mating and Cardiovascular Outcomes**

Miremad Moafi-Madani, Muhammad Baig, Brown Univ, Providence, RI; Mary Roberts, Care New England Medical Group, Pawtucket, RI; Charles Eaton, BROWN UNIV- FAMILY MED, Pawtucket, RI

- P574 **Does Being Multiracial Matter for Chronic Disease? An Evaluation of Differences in Obesity by Multiracial Subgroups in the U.S.**
Rebecca Evelyn Jones-Antwi, Liliana Aguayo, Natalia Poveda Rey, Solveig Argeseanu Cunningham, Emory Univ, Atlanta, GA
- P575 **Self-Rated Health and Mortality in the Elderly: A Comparison Between Jewish and Arab Populations in Israel**
Itamar Shafran, Yael Benyamini, Tel Aviv Univ, Tel Aviv, Israel; Lital Keinan Boker, Ministry of Health, Ramat Gan, Israel; Yariv Gerber, TEL AVIV UNIVERSITY, Tel Aviv, Israel
- P576 **Disparities in Cardiovascular Disease Outcomes Among Cancer Survivors in the United States: A Systematic Review**
Jean C. Bikomeye, Iwalola Awoyinka, Jamila L. Kwarteng, Medical Coll of Wisconsin, Milwaukee, WI; Andreas M. Beyer, MEDICAL COLLEGE WISCONSIN, Milwaukee, WI; Kirsten M Beyer, Medical Coll of Wisconsin, Milwaukee, WI
- P577 **Demographic Disparities in the Distribution and Severity of Coronary Artery Disease- An Urban-Suburban Comparative Study**
Adeyinka Adeniyi, Kelechi O Weze, Morehouse Sch of Med, Atlanta, GA; Paul L Douglass, METRO ATLANTA CARDIOVASCULAR MED, Atlanta, GA
- P578 **A Survey Study: Educational Session on South Asian and Cardiovascular Disease**
Priya A. Uppal, Drishti Patel, **Aneri Patel**, Divya Mohanraj, Shivali Gupta, Deepika Kothakapa, Mano Senthil, Devneet Singh, Rushali Kothari, Ashna Gupta, Sai Sahitha Somepalle, Avi Sura, Taniya T. Thomas, Tiffany Vembenil, Albany Medical Coll, Albany, NY; Soumya Neravetla, Surender Neravetla, Springfield Heart Surgeons, Springfield, OH; Ashwat S Dhillon, Good Samaritan Regional Medical Ctr, Corvallis, OR
- P579 **Predictors of Cardiogenic Shock Among Patients With Alcohol Abuse Undergoing SAVR in the United States** c
Balkiranjit Kaur Dhillon, Independent Reser, Brampton, ON, Canada; Shaheen Sombans, Bharati Vidyapeeth Univ Medical Coll, Hyderabad, India; **Kamleshun Ramphul**, Independent Reser, Triolet, Mauritius; Renuka Verma, Independent Reser, Newyork, NY; Osama Abdur Rehman, King Edward Medical Univ, Lahore, Pakistan; Sailaja Sanikommu, Sri Manakula Vinayagar Med Coll and Hosp, Puducherry, India, Chennai, India; Yogeshwaree Ramphul, SSRNH, Pamplemousses, Mauritius; Fnu Arti, Medstar Union Memorial Hosp, Baltimore, MD; Stephanie G Mejias, Independent Reser, Santo Domingo, Dominican Republic; Petras Lohana, Jacobi Medical Ctr, NEW YORK, NY; Nomesh Kumar, DMC/WSU Sinai Grace Hosp, Detroit, MI

P03.10 Heart Failure 2

- P580 **Cannabis Use Among Young Females of Ages 15 to 35 Admitted for Heart Failure in the United States**
Balkiranjit Kaur Dhillon, Independent Reser, Brampton, ON, Canada; Shaheen Sombans, Bharati Vidyapeeth Univ Medical Coll, Hyderabad, India; **Kamleshun Ramphul**, Independent Reser, Triolet, Mauritius; Renuka Verma, Independent Reser, Newyork, NY; Osama Abdur Rehman, King Edward Medical Univ, Lahore, Pakistan; Stephanie G Mejias, Independent Reser, Santo Domingo, Dominican Republic; Yogeshwaree Ramphul, SSRNH, Pamplemousses, Mauritius; Sailaja Sanikommu, Sri Manakula Vinayagar Med Coll and Hosp, Puducherry, India, Chennai, India; Fnu Arti, Medstar Union Memorial Hosp, Baltimore, MD; Petras Lohana, Jacobi Medical Ctr, NEW YORK, NY; Nomesh Kumar, DMC/WSU Sinai Grace Hosp, Detroit, MI
- P581 **Body Mass Index Variability in Relation to Heart Failure and Outcomes**

Chang Liu, Yiyun Chiang, Qin Hui, Emory Univ Rollins Sch of Public Health, Atlanta, GA; Peter Wilson, Emory Univ Sch of Med, Atlanta, GA; Jacob Joseph, VA BOSTON BRIGHAM WOMENS HOSPITAL, West Roxbury, MA; Yan Sun, Emory Univ Rollins Sch of Public Health, Atlanta, GA

- P582 **Race, Social Determinants of Health, and Comorbidity Patterns Among Participants With Heart Failure in the Reasons for Geographic and Racial Differences in Stroke Study**
Ene M Enogela, Univ of Alabama at Birmingham, Birmingham, AL; Parag Goyal, Weill Cornell Med, New York, NY; Monika M Safford, WEILL CORNELL MEDICINE, New York, NY; Stephen Clarkson, Thomas W Buford, Elizabeth A Jackson, Todd Brown, Univ of Alabama at Birmingham, Birmingham, AL; Leann Long, UNIVERSITY OF ALABAMA AT BIRMINGHAM, Birmingham, AL; Raegan W Durant, UNIV ALABAMA AT BIRMINGHAM, Birmingham, AL; Emily B Levitan, UNIVERSITY ALABAMA AT BIRMINGHAM, Birmingham, AL
- P583 **Cardiac Sarcoidosis is an Under-Recognized Cause of Heart Failure Admissions in the United States: A Population Based Epidemiologic Study**
Yaser Khalid, Wright Ctr for GME, Geisinger Health System, Scranton, PA; Kirti Dasu, Drexel Sch of Med/Biomedical Sciences, Philadelphia, PA; Neethi Dasu, Bhavana Kadiyala, Jefferson Health NJ, Voorhees, NJ
- P585 **Impact of Thrombocytopenia on the Outcomes of Patients Admitted With Heart Failure: Analysis of the National Inpatient Sample**
Sadichhya Karki, Vaishali Deenadayalan, Ramtej Atluri, Raquel Soon-Shiong, John H. Stroger Jr Hosp of Cook County, Chicago, IL
- P586 **Patients With Heart Failure and Chronic Kidney Disease Affected by Pulmonary Hypertension Have Greater Risk of Mortality and Worse Clinical Outcomes**
Leonid Khokhlov, TriHealth, Cincinnati, OH; Amanda Brown, Lincoln Memorial Univ, Harrogate, TN; Amr Aboelnasr, TriHealth, Cincinnati, OH; Michael Fatuyi, Trihealth Good Sam Hosp, Cincinnati, OH; Leanne Pereira, Fatima Hussain, Mehnaaz Ali, TriHealth, Cincinnati, OH; Kamal Shemisa, TriHealth, CINCINNATI, OH
- P587 **Patients With Diabetes Mellitus and Atrial Fibrillation Affected by Non-Alcoholic Fatty Liver Disease Have Greater Risk of Mortality and Worse Clinical Outcomes**
Leonid Khokhlov, Amr Aboelnasr, TriHealth, Cincinnati, OH; Michael Fatuyi, Trihealth Good Sam Hosp, Cincinnati, OH; Leanne Pereira, Mehnaaz Ali, Fatima Hussain, TriHealth, Cincinnati, OH; Amanda Brown, Lincoln Memorial Univ, Harrogate, TN; Kamal Shemisa, TriHealth, CINCINNATI, OH
- P588 **The Association of Anthropometric Measures With Risk for Pre-HF**
Jill H Esquivel, Univ of Virginia, Charlottesville, VA; Jeongok G Logan, Univ of Virginia, Charlottesville, VA; Daniela Sotres-Alvarez, UNC Chapel Hill, CHAPEL HILL, NC; Sonia Ponce, UNIVERSITY OF CALIFORNIA SAN DIEGO, La Jolla, CA; Matthew A Allison, Univ of California San Diego, La Jolla, CA; Barry E Hurwitz, UNIVERSITY OF MIAMI, Miami, FL; Robert Kaplan, Albert Einstein Coll of Med, Bronx, NY; Carmen R Isasi, ALBERT EINSTEIN COLLEGE MEDICINE, Bronx, NY; Jainwen Cai, Univ of North Carolina, Chapel Hill, NC; Martha L Daviglius, UNIVERSITY ILLINOIS CHICAGO, Chicago, IL; Mayank Mohan Kansal, Univ of Illinois at Chicago, Chicago, IL; Carlos Jose Rodriguez, Albert Einstein Sch of Med, Bronx, NY
- P589 **Utilization of Pulmonary Artery Sensor (CardioMEMS Device) During the Sars-CoV-2 Pandemic**
Amer Muhyieddeen, UCSF Fresno, Fresno, CA
- P590 **Clinical Significance of Nonspecific T-Wave Abnormalities on Electrocardiogram**
Douglas A Williams, Alexis Parks, Mustafeez Ur Rahman, Rajasekhar Mulyala, Usman Sarwar, Maulikkumar Patel, Bassam A Omar, Christopher Malozzi, Univ of South Alabama, Mobile, AL

- P591 **Prevalence and Prognosis Comparing the New vs. Old ACC/AHA/HFSA HF Stage Classification: The Atherosclerosis Risk in Communities (ARIC) Study**
Lena Molly Mathews, Johns Hopkins Univ, Baltimore, MD; Yume Nohara, Johns Hopkins Univ, Baltimore, MD; Ning A Ding, Johns Hopkins Univ, Baltimore, MD; Carla A Sueta, UNC CHAPEL HILL, Blowing Rock, NC; Anna Kucharska-Newton, Coll of Public Health, Univ of Kentucky, Lexington, KY; Amil M Shah, BRIGHAM AND WOMEN S HOSPITAL, Boston, MA; Chiadi E Ndumele, JOHNS HOPKINS HOSPITAL, Baltimore, MD; Kuni Matsushita, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Patricia Chang, Univ of North Carolina, Chapel Hill, NC
- P592 **Risk Factors for Heart Failure Subtypes in a Population With a High Burden of Diabetes- Evidence From the Strong Heart Study**
Irene Martinez-Morata, Arce Domingo-Reloso, Marta Galvez-Fernandez, Mailman Sch of Public Health Columbia Univ, New York, NY; Ying Zhang, Ctr for American Indian Health Res. Univ of Oklahoma HSC, Edmond, OK; Amanda M Fretts, Univ of Washington, Seattle, WA; Gernot Pichler, Dept of Cardiology and Karl Landsteiner Inst for Cardiovascular and Critical Care Res, Clinic Floridsdorf, Wien, Austria; Jose Manuel Garcia Pinilla, Univ of Malaga, Malaga, Spain; Daichi Shimbo, Columbia Univ Irving Medical Ctr, New York, NY; Jason Umans, Georgetown-Howard Universities Ctr for Clinical and Translational Science, Washington, WA; Shelley A. Cole, Texas Biomedical Res Inst, San Antonio, TX; Ana Navas-Acien, Mailman Sch of Public Health Columbia Univ, New York, NY; Richard B Devereux II, Weill Cornell Med, New York, NY

P03.11 Lipids and Lipoproteins

- P593 **Urinary Nitrate Was Not Associated With Prevalence of Dyslipidemia Among Adults in the National Health and Nutrition Examination Survey, 2009-2016**
Andrew Y Hwang, MCPHS Univ, Boston, NC; Colin R Carriker, High Point Univ, High Point, NC
- P594 **High-Density Lipoprotein Particle Concentrations and Long-Term Atherosclerotic Disease Risk in Young Adults**
John T Wilkins, NORTHWESTERN UNIVERSITY, Chicago, IL; Waleed Alruwaili, Northwestern Univ, Chicago, IL; Hongyan Ning, NORTHWESTERN UNIVERSITY, Chicago, IL; Konrad T Sawicki, Northwestern Univ, Chicago, IL; Allan D Sniderman, McGill Univ Health Ctr, Montreal, QC, Canada; James D Otvos, Lab Corp, Raleigh, NC; David R Jacobs Jr., Univ of Minnesota, Minnetonka, MN; Venkatesh L Murthy, Univ of Michigan, Ann Arbor, MI; Ravi V Shah, Vanderbilt Univ, Nashville, TN; Anand Rohatgi, UT SOUTHWESTERN, Dallas, TX; Norrina B Allen, NORTHWESTERN UNIVERSITY, Chicago, IL
- P595 **Low Serum Cholesterol and Coronary Heart Disease Mortality in Veterans**
Xuan-Mai T Nguyen, Yanping Li, Yuk-lam Ho, VA Boston Healthcare System, Boston, MA; Rebecca Jung Song, VA BOSTON HEALTHCARE SYSTEM, Boston, MA; Ariela R Orkaby, VA Boston Healthcare System, Boston, MA; Jason L Vassy, VA BOSTON HEALTHCARE SYSTEM, Boston, MA; David Gagnon, Kelly Cho, John M Gaziano, VA Boston Healthcare System, Boston, MA; PETER WILSON, Atlanta VAMC, Decatur, GA
- P596 **Familiar Hypercholesterolemia is Associated With Lower All-Cause Mortality Despite Higher Complexity of Coronary Lesions and Interventions Among Patients Admitted With Acute Myocardial Infarction**
Dennis D. Kumi, John H stroger Hosp of Cook cou, Chicago, IL; Ufuk Vardar, Sadichhya Karki, Edwin Gwira-Tamattey, Ayesha Abbasi, John H stroger Hosp of Cook county, Chicago, IL
- P597 **Increased Allostatic Load Associated With Immunosuppression in Paediatric Burn Injury Indicating Increased Cardiometabolic Disease Risk**

Sofina Begum, Harvard Medical Sch, Boston, MA; **Samantha Lodge**, Drew Hall, Murdoch Univ, Perth, Australia; **Blair Johnson**, Univ of Western Australia, Perth, Australia; **Sze H Bong**, Luke Whiley, Nicola Gray, Murdoch Univ, Perth, Australia; **Vanessa Fear**, Telethon Kids Inst, Perth, Australia; **Mark Fear**, Univ of Western Australia, Perth, Australia; **Elaine Holmes**, Imperial Coll London, London, United Kingdom; **Fiona Wood**, Univ of Western Australia, Perth, Australia; **Jeremy K Nicholson**, Imperial Coll London, London, United Kingdom

P598 Highly Purified Eicosapentaenoic Acid Use Can Reduce Neurological Severity at the Onset of Ischemic Stroke in Patients With Hyperlipidemia

Takahisa Mori, SHONAN KAMAKURA GENERAL HOSPITAL, Kamakura, Japan; **Kazuhiro Yoshioka**, SHONAN KAMAKURA GENERAL HOSPITAL, Kamakura Kanagawa, Japan; **Yuichi Miyazaki**, SHONAN KAMAKURA GENERAL HOSPITAL, Kamakura, Japan

P03.12 Methodology

P599 Should Regression Calibration or Multiple Imputation Be Used When Calibrating Different Devices in a Longitudinal Study?

Matthew S Loop, Auburn Univ, Auburn, AL; **Sarah C Lotspeich**, Wake Forest Univ, Winston-Salem, NC; **Tanya P Garcia**, **Michelle L Meyer**, Univ of North Carolina at Chapel Hill, Chapel Hill, NC

P600 Beyond Mean Glucose: Development of Novel, Reproducible Continuous Glucose Monitoring Metrics

Joseph Sartini, Johns Hopkins Bloomberg Sch, Baltimore, MD; **Michael Fang**, **Mary R Rooney**, Johns Hopkins Univ, Baltimore, MD; **Rashmi (Nisha) Aurora**, Johns Hopkins, Bethesda, MD; **Naresh Punjabi**, Univ of Miami, Miami, FL; **Elizabeth Selvin**, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; **Josef Coresh**, JOHNS HOPKINS SPH WELCH CENTER, Baltimore, MD; **Scott Zeger**, Johns Hopkins Bloomberg Sch, Baltimore, MD

P601 Death Certificate-Based Screening Methodology is an Efficient and Accurate Methodology for Identifying Sudden Death Victims

Gabriella Day, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; **Andrew Cesmat**, UNC Sch of Med, Chapel Hill, NC; **Susan Keen**, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA; **Alia Capone**, Univ of Maryland Medical Ctr, Baltimore, MD; **Ross J Simpson Jr.**, UNIVERSITY NC HEART, Chapel Hill, NC

P602 Complete Blood Count Analysis in the Risk Underlying Rural Areas Longitudinal (RURAL) Cohort Study With a Point of Care Instrument

Margaret King, UNIVERSITY OF VERMONT, Colchester, VT; **April Perry**, UNIVERSITY OF VERMONT, Colchester, VT; **Elaine S Cornell**, **Rebekah Boyle**, UNIVERSITY OF VERMONT, Colchester, VT; **Suzanne E Judd**, UAB, Birmingham, AL; **James D Rhodes**, UAB SCH PUBLIC HEALTH, Birmingham, AL; **Vasan S Ramachandran**, FRAMINGHAM HEART STUDY, Berlin, MA; **Russell Tracy**, Univ of Vermont, Burlington, VT; **Jon P Durda**, UNIVERSITY OF VERMONT, Colchester, VT

P03.13 Nutrition and Diet 3

P210 Dietary Calcium and Phosphorus Intakes at Middle Age and Their Associations With Vascular Calcification at Older Age: The Atherosclerosis Risk in Communities (ARIC) Study

Yume Nohara-Shitama, **Yejin Mok**, **Shoshana Ballew**, Johns Hopkins Univ, Baltimore, MD; **Casey M Rebholz**, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; **Matthew Budoff**, Lundquist Inst, Manhattan Beach, CA; **Cheryl Anderson**, UC San Diego, La Jolla, CA; **Junichi Ishigami**, Johns Hopkins Univ, Baltimore, MD; **Michael Blaha**, JOHNS HOPKINS HOSPITAL, Baltimore, MD; **Kunihiko Matsushita**, Johns Hopkins Univ, Baltimore, MD

- P603 **Diet Quality Scores Measured With Standard and Modified Component Weights Are Associated With Mortality Risk in the Multiethnic Cohort**
Haley W Parker, Univ of Rhode Island, Providence, RI; Ashley Buchanan, Brietta Oaks, Univ of Rhode Island, Kingston, RI; Maya Vadiveloo, UNIVERSITY RHODE ISLAND, Kingston, RI
- P604 **Acceptability of a Newly Developed Southern Dietary Approaches to Stop Hypertension Diet Among Heart Failure Patients in the South: A Sensory Evaluation**
Rupal Trivedi-Kapoor, Univ of Georgia, Athens, GA; Kip Hardy, Michael Bacha, Emory Univ Hosp, Decatur, GA; Ginnefer O Cox, Randall L Tackett, Henry N Young, Elisabeth L Sattler, Univ of Georgia, Athens, GA
- P605 **Neo-Traditional Diets Are Associated With Lower Odds of Metabolic Syndrome Among Adults in Puerto Rico**
Abrania Marrero, Harvard TH Chan Sch of Public Health, Boston, MA; Josiemer Mattei, HARVARD CHAN SCHOOL PUBLIC HEALTH, Boston, MA; Christopher D Golden, Harvard TH Chan Sch of Public Health, Boston, MA; Sebastien Haneuse, Harvard Chan Sch, Boston, MA; Jose F Rodriguez-Orengo, FDI Clinical Res, San Juan, Puerto Rico; Katherine L Tucker, UNIVERSITY OF MASSACHUSETTS LOWELL, Lowell, MA
- P606 **Effectiveness of Randomized Dietary Interventions for the Primary Prevention of Incident Cardiovascular Disease and Type 2 Diabetes**
Alisha Shah, Independent Reser, Fremont, CA; Suryun Kim, Dana-Farber Cancer Inst, Boston, MA; Rikuta Hamaya, Harvard TH Chan Sch of Public Health, Boston, MA; JoAnn E Manson, Deirdre K Tobias, Brigham and Women's Hosp and Harvard Medical Sch, Boston, MA
- P607 **What Do Consumers See? Nutrients Listed on Packaged Foods and Beverages in Addis Ababa, Ethiopia**
Megan E Henry, Mengkun Chen, Matti Marklund, Johns Hopkins Univ, Baltimore, MD; Nebiyu Fasil, Hanna Y Berhane, Seada Beyan, Addis Continental Inst of Public Health: ACIPH, Addis Ababa, Ethiopia; Kathryn Foti, Univ of Alabama at Birmingham, Birmingham, AL; Neha Khandpur, Wageningen Univ, Wageningen, Netherlands; Lawrence J Appel, Johns Hopkins Univ, Baltimore, MD
- P608 **Dynamic Changes in Dietary Guidelines Adherence and Its Association With All-Cause Mortality Among Middle-Aged Chinese: A Longitudinal Study From the China Health and Nutrition Survey**
Xiao Zhang, Xiaona Na, Tsinghua Univ, Beijing, China; Yanfang Wang, Peking Univ Clinical Res Inst, Beijing, China; Du Shufa, The Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Ai Zhao, Wannian Liang, Tsinghua Univ, Beijing, China
- P609 **Polyphenol Metabolite Production Displays Individual Variability and Associations With Usual Diet: A Dietary Challenge Study**
Jessica Sprinkles, UNIVERSITY OF NORTH CAROLINA, Chapel Hill, NC; Anju Lulla, Univ of North Carolina, Chapel Hill, NC; Jonathan Shea, Beth MacIntosh, Martin Kohlmeier, Katie A Meyer, UNIVERSITY OF NORTH CAROLINA, Chapel Hill, NC
- P610 **French Canadian Translation and Validation of the Eating in the Absence of Hunger Questionnaire for Children and Adolescents**
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- P611 **A Multi-Sector, Collaborative Approach to Improve Diet in Mexican and Chinese American Immigrant Families**

Stella Sun-Young Yi, Sze Wan (Celine) Chan, NYU Grossman Sch of Med, New York, NY; Elizabeth Dowd, Brooklyn Grange, Brooklyn, NY; Steve Mei, Chinese American Planning Council, Brooklyn, NY; Kathleen Barth, The Table at NYU Langone Brooklyn Family Health Ctrs, Brooklyn, NY; Michelle Hughes, Glynwood Regional Ctr for Food and Farming, Cold Spring, NY; Sonia Sifuentes, NYU Grossman Sch of Med, New York, NY; Vivian Wang, New York Univ Sch of Global Public Health, New York, NY; Matthew Chin, Rachel Suss, Victoria Foster, Perla Chebli, Madison N. LeCroy, Simona Kwon, NYU Grossman Sch of Med, New York, NY

P612 **Alcohol Intake, Kidney Function and Mortality**
martino laurenzi, CeSEG, Gubbio, Italy

P614 **The Association Between Dietary Patterns and Coronary Artery Calcium Score: A Systematic Review**
Bridget M Hussain, Hope Lappen, Andrea Deierlein, New York Univ, New York, NY; Sameera Talegawkar, Milken Inst Schl of Pub Health, Washington, DC; Niyati Parekh, New York Univ, New York, NY

P615 **Frequency of Herb and Spice Use Among the South-Asian Adult Population in the United States: A Pilot Study**
Samantha Harris, **Bridget Hussain**, Sarika Dasraj, New York Univ, Sch of Global Public Health, New York, NY; Andrew Ashley, New York Univ, Dept of Anthropology, New York, NY; Aleksandra Kiszka, New York Univ, Sch of Global Public Health, New York, NY; Twesha Khanna, New York Univ, New York, NY; Sameera Talegawkar, Milken Inst Schl of Pub Health, Washington, DC; Rupak Shivakoti, Mailman Sch of Public Health, Columbia Univ, New York, NY; Niyati Parekh, New York Univ, Sch of Global Public Health, New York, NY

P616 **Implementing a Dietary Energy Density Intervention in Preschool Children**
Shannon M Robson, Univ of Delaware, Newark, DE; Samantha M Sundermeir, Johns Hopkins Univ, Baltimore, MD; Amanda Kopetsky Fultz, Adriana Verdezoto Alvarado, Univ of Delaware, Newark, DE; Hollie A Raynor, Univ of Tennessee Knoxville, Knoxville, TN; Stephanie S Filigno, Cincinnati Children's Hosp Medical Ctr, Cincinnati, OH; Matthew DiGuglielmo, Nemours Children's Health, Wilmington, DE; Barry Bodt, Univ of Delaware, Newark, DE

P617 **Light to Moderate Alcohol Consumption is Not Associated With Breast Cancer Incidence in Italian Adult Women: Results From the Moli-Sani Study**
Simona Costanzo, IRCCS Neuromed, Pozzilli, Italy; Giuseppe Grosso, Univ of Catania, Catania, Italy; Augusto Di Castelnuovo, Mediterranea Cardiocentro, Naples, Italy; Marialaura Bonaccio, Teresa Panzera, Chiara Cerletti, Maria Benedetta Donati, IRCCS Neuromed, Pozzilli, Italy; Licia Iacoviello, Univ of Insubria, Varese-Como and IRCCS NEUROMED, Pozzilli, Italy; Giovanni de Gaetano, IRCCS Neuromed, Pozzilli, Italy

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P618 **Visceral and Subcutaneous Adipokine Expression and Serum Adipokine Levels Are Differentially Associated With Metabolic Risk**
Bige Ozkan, Amelia S Wallace, Carine Hamo, Risa Wolf, Justin B Echouffo Tcheguigui, Alexander Arking, Gary Gerstenblith, Johns Hopkins Univ, Baltimore, MD; Xin Chu, G. Craig Wood, Peter Benotti, Geisinger Medical Ctr, Danville, PA; G William Wong, Josef Coresh, Chiadi E Ndumele, Johns Hopkins Univ, Baltimore, MD

P619 **DNA Methylation at *SREBF1* and Long-Term Changes in Body Composition: The POUNDS Lost Trial**
Xiang Li, Tulane Univ, New Orleans, LA; Xiaojian Shao, Natl Res Council Canada, Ottawa, ON, Canada; Qiaochu Xue, Minghao Kou, Tulane Univ, New Orleans, LA; Elin Grundberg, Children's Mercy Kansas City,

Kansas City, MO; George A Bray, Pennington Res Inst, Baton Rouge, LA; Frank M Sacks, Harvard Univ, Boston, MA; Lu Qi, TULANE UNIVERSITY, New Orleans, LA

- P620 **Microbiota Composition and Diversity Are Associated With Fat Tissue Quality: Findings From Baltimore Longitudinal Study of Aging**
Curtis Tilves, Johns Hopkins Univ, Baltimore, MD; Toshiko Tanaka, NIH/NIA, Baltimore, MD; Moira K Differding, Adam Spira, Johns Hopkins Univ, Baltimore, MD; Chee Chia, Luigi Ferrucci, NIH/NIA, Baltimore, MD; Noel T Mueller, Johns Hopkins Univ, Baltimore, MD
- P621 **Visceral Adipose Tissue Attenuation: A Marker of Liver Fat Content Beyond the Body Mass Index and Visceral Adipose Tissue Area**
Dominic Chartrand, Natalie Almeras, Isabelle Lemieux, CRIUCPQ - UL, Quebec, QC, Canada; Jean-Pierre Despres, VITAM-CIUSSCN, Quebec, QC, Canada
- P622 **Increase From Low to Moderate Consumption of Caffeinated Coffee is Associated With Favorable Changes in Body Fat**
Matthias Henn, Harvard Sch of Public Health, Cambridge, MA; Nancy Babio, Univ Rovira i Virgili, Inst d'Investigació Sanitària Pere i Virgili, Departament de Bioquímica i Biotecnologia, Unitat de Nutrició Humana, Reus, Spain; Romaguera Maria, Health Res Inst of the Balearic Islands (IdISBa), Univ Hosp Son Espases (HUSE), Palma de Mallorca, Spain; Zenaida Vázquez-Ruiz, Univ of Navarra- IdiSNA (Insto de Investigacion Sanitaria de Navarra), Dept of Preventive Med and Public Health, Pamplona, Spain; Jadwiga Konieczna, Health Res Inst of the Balearic Islands (IdISBa), Univ Hosp Son Espases (HUSE), Palma de Mallorca, Spain; Jesús Vioque, Laura Torres-Collado, Insto de Investigación Sanitaria y Biomédica de Alicante, ISABIAL-UMH, Alicante, Spain; Cristina Razquin, Pilar Buil-Cosiales, Univ of Navarra- IdiSNA (Insto de Investigacion Sanitaria de Navarra), Dept of Preventive Med and Public Health, Pamplona, Spain; Montserrat Fitó, Helmut Schröder, Hosp del Mar Medical Res Inst (IMIM), Dept of Med, Univ of Barcelona, Barcelona, Spain; Frank Hu, Harvard Sch of Public Health, Boston, MA; Itziar Abete, Servicios de Atención Primaria. Servicio Navarro de Salud. Osasunbidea, Pamplona, Spain; Maria de los Ángeles Zulet, Univ of Navarra- IdiSNA (Insto de Investigacion Sanitaria de Navarra), Dept of Preventive Med and Public Health, Pamplona, Spain; Tania Fernández-Villa, Vicente Martín, Inst of Biomedicine (IBIOMED), Univ of León, León, Spain; Ramón Estruch, Dept of Internal Med, IDIBAPS, Hosp Clinic, Univ of Barcelona, Barcelona, Spain; Josep Vidal, Dept of Endocrinology, Inst d'Investigacions Biomèdiques August Pi Sunyer (IDIBAPS), Hosp Clinic, Univ of Barcelona, Barcelona, Spain; Indira Paz-Graniel, Univ Rovira i Virgili, Inst d'Investigació Sanitària Pere i Virgili, Departament de Bioquímica i Biotecnologia, Unitat de Nutrició Humana, Reus, Spain; J. Alfredo Martínez, Dept of Nutrition, Food Sciences, and Physiology, Ctr for Nutrition Res, Pamplona, Univ of Navarra; Navarra Inst for Health Res (IdiSNA), Pamplona, Spain; Jordi Salas-Salvadó, Univ Rovira i Virgili, Inst d'Investigació Sanitària Pere i Virgili, Departament de Bioquímica i Biotecnologia, Unitat de Nutrició Humana, Reus, Spain; Miguel A. Martínez-González, Miguel Ruiz-Canela, Univ of Navarra- IdiSNA (Insto de Investigacion Sanitaria de Navarra), Dept of Preventive Med and Public Health, Pamplona, Spain

P03.15 Peripheral Artery Disease and Venous Thrombosis

- P623 **Long-Term Mortality and Causes of Death After Venous Thromboembolism: The Atherosclerosis Risk in Communities Study**
Debora Kamin Mukaz, Univ of Vermont, Colchester, VT; Aixin Li, Pamela L Lutsey, Univ of Minnesota, Minneapolis, MN; Neil A Zakai, Univ of Vermont, Colchester, VT; Weihua Guan, Univ of Minnesota, Minneapolis, United States Minor Outlying Islands; Aaron R Folsom, Univ of Vermont, Minneapolis, MN; Mary Cushman, Univ of Vermont, Colchester, VT
- P624 **Peripheral Artery Disease and Long-Term Risk of Femur Fracture Among Older Adults: The Atherosclerosis Risk in Communities Study**

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- P625 **Differences in Urban/Rural Oral Anticoagulation and Mortality Among People With Incident Venous Thromboembolism: Medicare 20% Sample 2016-2018**
Rob F Walker, Univ of Minnesota, Minneapolis, MN; Neil A Zakai, Larner Coll of Med at Univ of Vermont, Burlington, VT; Richard F Macle hose, Univ of Minnesota, Minneapolis, MN; Faye L Norby, Cedars Sinai Medical Ctr, Los Angeles, CA; Wendy Wang, Univ of Minnesota, Minneapolis, MN; Alvaro Alonso, Emory Univ, Atlanta, GA; Pamela L Lutsey, UNIVERSITY OF MINNESOTA, Minneapolis, MN
- P626 **Associations of Supervised and Home-Based Exercise With Serious Adverse Event Rates During Exercise Interventions for Peripheral Artery Disease: A Meta-Analysis of Five Randomized Clinical Trials**
Neela Thangada, Northwestern Feinberg SOM, Chicago, IL; Shujun Xu, NORTHWESTERN UNIVERSITY, Chicago, IL; Lu Tian, Stanford Univ, Palo Alto, CA; Lihui Zhao, Mary M McDermott, NORTHWESTERN UNIVERSITY, Chicago, IL

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- P627 **Assessment of a Validated Cardiovascular Risk Score in a Latin American Cohort: A Step to Diversity in Primary Prevention**
Santiago Callegari, Univ de Los Andes, Bogota, Colombia; Carlos Daniel Rodriguez, Alfredo Cabrera, Lorena Rodriguez, Fundación Santa Fe, Bogota, Colombia; Natalia Ossa, Carlos A. Sanchez, Univ de Los Andes, Bogota, Colombia
- P628 **The Right Dose for the Right Patient - High Intensity Rosuvastatin Dosing in Patients With Chronic Kidney Disease**
Edan Zitelny, Robert Hickey, Monika Sanghavi, Hosp of the Univ of Pennsylvania, Philadelphia, PA
- P629 **Influenza Vaccine Uptake is Associated With Cholesterol Treatment Adherence: An Analysis of the Behavioral Risk Factor Surveillance System Survey**
Samuel D Slavin, Adam N Berman, Prakriti Gaba, Rosangela A Hoshi, Brigham and Women's Hosp, Boston, MA; Murray A Mittleman, Harvard Chan Sch of Public Health, Boston, MA
- P630 **Dietary Sodium Intake Increases the Risk of Developing Type 2 Diabetes Mellitus in the Million Veteran Program**
Hasan Mahbub, VA Boston Healthcare, BWH and Harvard Medical Sch, Boston, MA; Xuan-Mai Nguyen, VA Boston Healthcare, Boston, MA; Yanping Li, HARVARD UNIVERSITY, Boston, MA; Rachel Ward, VA Boston Healthcare, Boston, MA; Frank Hu, Harvard Sch of Public Health, Boston, MA; Walter Willett, Harvard Univ, Boston, MA; John M Gaziano, VA Boston Healthcare, BWH and Harvard Medical Sch, Boston, MA; Luc Djousse on behalf of the VA Million Veteran Progra, VA Boston Healthcare, BWH AND HARVARD MED SCHOOL, Boston, MA
- P631 **Association Between Suboptimal Sleep Duration and Cardiovascular Disease Prevalence Among Asian Americans**

Santhosh Nadarajah, Risa Akiba, Isabelle Maricar, Sanah Vohra, Armaan Jamal, Yuichiro Yano, Tali Elfassy, Malathi Srinivasan, Gloria Kim, Latha Palaniappan, Karina Kim, Eugene Yang, Stanford Ctr for Asian Health Res and Education, Stanford, CA

P632 **The Ballana Heart Study: Preliminary Results**

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P633 **Undiagnosed Cases of Diabetes, Dyslipidemia and Hypertension in a Sub-Saharan African Community: Prevalence and Determinants**

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P634 **Life's Essential 8 and the Role of Sleep in Atherosclerotic Cardiovascular Disease: Coronary Artery Risk Development in Young Adults (CARDIA) Study and Multi-Ethnic Study of Atherosclerosis (MESA)**

Hongyan Ning, Donald Lloyd-Jones, Amanda M Perak, Darwin R Labarthe, Philip Greenland, Norrina B Allen, Northwestern Univ, Chicago, IL

P635 **Poverty, Sodium Intake and Abnormal Blood Pressure Among Youth 13 to 18 Years of Age**

Carissa M Baker-Smith, Nemours Children's Health, Wilmington, DE; Robert E Akins Jr., NEMOURS - ALFRED I. DUPONT HOSPITAL, Wilmington, DE; Shannon Lennon, Christian Alvarado, Univ of Delaware, Newark, DE

P636 **Burden of Atherosclerotic Cardiovascular Disease in Patients With versus Without Cancer: Insights From the Houston Methodist Cardiovascular Disease Learning Health System Registry**

Izza Shahid, Houston Methodist Academic Inst, Houston, TX; Nihan Farooq, Houston Methodist Hosp, Houston, TX; Rakesh Gullapelli, Houston Methodist, HOUSTON, TX; Eleonora Avenatti, Jorge Carrasco Avila, Roshni Mandania, Aayush Shah, Houston Methodist Hosp, Houston, TX; Sherif F Nagueh, THE METHODIST HOSPITAL, Houston, TX; Maan Malahfji, Jenny Chang, Houston Methodist Hosp, Houston, TX; Khurram Nasir, Houston Methodist, Houston, TX

P03.17 Promoting and Measuring Health Behaviors

P136 **Young Women Accept a Developmentally Appropriate Cardiovascular Risk Assessment Tool That Changes Their Perceived Risk of Heart Disease**

Brianna Karim, Andrew Jergel, Shasha Bai, Kolbi Bradley, Santiago J Arconada Alvarez, Emory Univ Sch of Med, Atlanta, GA; Amanda K Gilmore, Georgia State Univ, Atlanta, GA; Morgan Greenleaf, Melissa J Kottke, Emory Univ Sch of Med, Atlanta, GA; Maren Parsell, Emory Healthcare, Atlanta, GA; Sierra

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- P637 **Sex-Specific Population Attributable Fractions to Cardiovascular Mortality Among US Adults**
Ling Tian, Siyi Geng, 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
- P638 **Sex Differences in Cardiovascular Health Among Young Adults in Puerto Rico**
Cynthia M. Perez, Univ of Puerto Rico Sch of Public Health, San Juan, PR; Andrea Lopez-Cepero, Emory Univ, Decatur, GA; Israel Almodovar-Rivera, Univ of Puerto Rico-Mayaguez, Mayaguez, PR; Catarina I Kiefe, UNIV OF MASSACHUSETTS MEDICAL SCHOO, Sterling, MA; Katherine L Tucker, UNIVERSITY OF MASSACHUSETTS LOWELL, Lowell, MA; Sharina Person, UNIV OF MASSACHUSETTS MEDICAL SCH, Worcester, MA; Jose F Rodriguez-Orengo, Univ of Puerto Rico Sch of Med, San Juan, PR; Milagros C Rosal, UMASS CHAN MEDICAL SCHOOL, Worcester, MA
- P639 **Sex Modifies the Association of Socioeconomic Status With Life's Essential 8**
Amaris Williams, Ohio State Univ Wexner Medical Ctr, Columbus, OH; Joshua J Joseph, The Ohio State Univ COM, Columbus, OH
- P640 **Evaluating Feasibility and Acceptability of "My HeartHELP" Mobile Application for Promoting Heart-Healthy Lifestyle Behaviors**
Jina Choo, Songwhi Noh, Yura Shin, Korea Univ, Seoul, Korea, Republic of
- P641 **Gaming the Way to Cardiovascular Health in Nepal: A Digital Approach in Adolescents**
Dayana Shakya, Kathmandu Medical Coll, Kathmandu, Nepal; Karin Flodin, Gothenburg Univ, Gothenburg, Sweden; Dip Raj Thapa, Jon Victor Bankler, Hua Bai, Ulf Wilhelmsson, Univ of Skövde, Skövde, Sweden; Madhusudan Subedi, Patan Acad of Health Sciences, Lalitpur, Nepal; Nawi Ng, Univ of Gothenburg, Gothenburg, Sweden; Natalia Oli, Abhinav Vaidya, Kathmandu Medical Coll, Kathmandu, Nepal; Per Backlund, Alexandra Krettek, Univ of Skövde, Skövde, Sweden
- P642 **Assessment of Health Literacy in Colombia: A First Step for a Cardiovascular Education Program for the Community**
Ricardo A. Pena-Silva, Ana Castrillon-Collazos, Jonathan Arango Junco, Univ de los Andes, Bogota, Colombia; Julio Sanchez-Arevalo, Univ Nacional de Colombia, Bogota, Colombia; Gustavo Villegas-Gomez, Julio Boada Martinez, Maria Artunduaga-Bocanegra, Univ de los Andes, Bogota, Colombia; Leslie Vargas-Ramirez, Bellanid Rodriguez-Caceres, Insto Neumológico del Oriente, Bucaramanga, Colombia; Walberto Buelvas, Medisinu IPS, Monteria, Colombia; Jazmine Escobar-Perez, Univ Nacional de Colombia, Bogota, Colombia
- P643 **Health Behaviors and Health-Related Quality of Life Among the Korean Adults Aged 18 - 64 Years**
Miso Kim, Jina Choo, Korea Univ, Seoul, Korea, Republic of
- P644 **Engagement With a Weight Loss Program for Postpartum Individuals at Elevated Cardiovascular Risk: A Qualitative Study**
Hilary Bediako, Kelly Allison, Univ of Pennsylvania, Philadelphia, PA; Tricia Leahey, Univ of Connecticut, Storrs, CT; Sarah Stupp, Univ of Pennsylvania, Philadelphia, PA; Valerie Riis, UPENN, Philadelphia, PA; Lisa Levine, michal elovitz, Judy Shea, Jennifer Lewey, Univ of Pennsylvania, Philadelphia, PA
- P645 **Lower Satisfaction With Healthcare Providers' Communication Associated With African Americans Seeking Care From Complementary and Alternative Medicine Providers: The Jackson Heart Study**

Saara Z Nasruddin, Univ of Mississippi, University, MS; Benjamin Walker, UMMC, Jackson, MS; Elizabeth Heitman, Univ of Texas Southwestern, Dallas, TX; Nelson Atehortua, Jennifer Reneker, UMMC, Jackson, MS

- P646 **American Indian Community Stakeholders Evaluate the Cardiovascular Health Curriculum Honoring the Gift of Heart Health: The Strong Heart Study**
Megan Eisele, Univ of Oklahoma - HSC, Oklahoma City, OK; Jessica Reese, Univ of Oklahoma- HSC, Oklahoma City, OK; Aimee Jones, Ying Zhang, Univ of Oklahoma - HSC, Oklahoma City, OK
- P647 **Assessing the Current Practice of Home Blood Pressure Reporting During Pregnancy**
Hannah Wisniewski, Sravya Shankara, Ekaterina Skaritanov, Mawulorm Denu, Univ of Massachusetts Chan Medical Sch, Worcester, MA; Stephen P Juraschek, BIDMC-Harvard Medical Sch, Boston, MA; Lara Kovell, Univ of Massachusetts Chan Medical Sch, Worcester, MA
- P648 **Flattening the Curve: A Behavioural Economics Approach to Increase Activity in Summer Months**
Isaak Douglas Fast, Shamsia Sobhan, Jon McGavock, CHRIM, Winnipeg, MB, Canada
- P649 **Juvenile Exercise Delays Frailty and Promotes Metabolic Health in Aged Mice**
Mengya Feng, Xi'an Jiaotong Univ, Xi'an, China; Min Li, Nini Zhang, Fourth Military Medical Univ, Xi'an, China; Jing Lou, Xi'an Jiaotong Univ, Xi'an, China; Guiling Wu, Fangqin Wu, Yanzhen Tan, Hongyan Yang, Wenli Yan, Fourth Military Medical Univ, Xi'an, China; Xuyun Liu, Xi'an Jiaotong Univ, Xi'an, China; Jia Li, Fourth Military Medical Univ, Xi'an, China; Jiankang Liu, Xi'an Jiaotong Univ, Xi'an, China; Xing Zhang, Fourth Military Medical Univ, Xi'an, China; Feng Gao, FOURTH MILITARY MEDICAL UNIVERSITY, Xian, China
- P650 **Addressing Cardiovascular Disease Inequities: Qualitative Process Evaluation From a Co-Investigation With Im/Migrants Exploring How to Sustain a Community-Driven, Social Network Intervention Using a Racism-Conscious Approach**
Abby M. M Lohr, Mayo Clinic, Rochester, MN; Jhenitza Raygoza, Mayo Clinic, Scottsdale, AZ; Maria (Graciela) D Porraz Capetillo, Mayo Clinic, Rochester, MN; Omar Nur, Somali American Social Service Organization, Rochester, MN; Luz Molina, Mayo Clinic, Rochester, MN; Ahmed Osman, Hindi Elmi, Intercultural Mutual Assistance Association, Rochester, MN; Ahmed A Mohamed, Mayo Clinic, Rochester, MN; Thomas W Valente, Univ of Southern California, Los Angeles, CA; Joan M Griffin, Mark L Wieland, Irene G Sia, Mayo Clinic, Rochester, MN
- P651 **Assessing the Pathway Between Health Care Utilization and Hypertensive Outcomes Among Young Adult African American Medicaid Beneficiaries in Delaware**
Asli McCullers, Univ of Delaware, Newark, DE

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- P652 **Higher Self-Perceived Financial Stress is Associated With Increased Allostatic Load Among African American Women: The Jackson Heart Study**
Rachel S. Tyrone, Univ of Mississippi Medical, Jackson, MS
- P653 **Cardiac Rehabilitation Participation is Associated With Lower Risk of Major Adverse Cardiovascular Events Across Race or Ethnicity and Income**
Joshua Garfein, Gretchen Swabe, Daniel E Forman, Jared W Magnani, Univ of Pittsburgh, Pittsburgh, PA
- P654 **Neighborhood Social Determinants of Health Influence Cardioprotective Behaviors Among Church Members in New Orleans**

Flor Alvarado, Tulane Univ, New Orleans, LA; Jodie Laurent, Tulane Univeristy, New Orleans, LA; Katherine T Mills, Keith C Ferdinand, Tulane Univ, New Orleans, LA; Deidra Crews, Johns Hopkins Univ, Baltimore, MD; Jeanette Gustat, Jiang He, Tulane Univ, New Orleans, LA

- P655 **Childhood and Lifecourse Socioeconomic Position and Cardiovascular Health in Hispanic/Latino Adults of the Hispanic Community Health Study/Study of Latinos**
Paola Filigrana, Jee-Young Moon, Albert Einstein Coll of Med, Bronx, NY; Linda C. Gallo, San Diego State Univ, Chula Vista, CA; Lindsay Fernández-Rhodes, Pennsylvania State Univ, University Park, PA; Krista M. Perreira, Univ of North Carolina, Chapel Hill, NC; Martha L. Daviglius, Univ Illinois Chicago, Chicago, IL; Bharat Thyagarajan, Univ of Minnesota, Minneapolis, MN; Olga L. Garcia, Univ of Illinois Chicago, Chicago, IL; Jianwen Cai, Univ of North Carolina, Chapel Hill, NC; Robert C. Kaplan, Albert Einstein Coll of Med, Bronx, NY; Shakira F. Suglia, Emory Univ, Atlanta, GA; Carmen R. Isasi, Albert Einstein Coll of Med, Bronx, NY
- P656 **Household Food Insecurity is Adversely Associated With Ideal Cardiovascular Health in US Adults: An Updated Analysis Using the American Heart Association's New Life's Essential 8 Measure**
Cindy W Leung, Harvard Univ, Boston, MA; Julia A. Wolfson, Johns Hopkins Univ, Baltimore, MD; Eric B Rimm, Harvard Univ, Boston, MA
- P657 **Association Between Perceived Discrimination and Arterial Stiffness: A Scoping Review**
Patricia Pagan Lassalle, Craig Patterson, Michelle L. Meyer, Lee Stoner, The Univ of North Carolina at Chapel Hill, Chapel Hill, NC
- P658 **Redlining, Neighborhood Vulnerability, and Heart Failure Outcomes Among Patients in the Southeastern US**
Nicole D Fields, Andrea Tristan, Emory Univ, Atlanta, GA; Alanna A Morris, EMORY UNIVERSITY SCHOOL MEDICINE, Atlanta, GA; Shivani A Patel, Emory Univ, Atlanta, GA
- P659 **Cluster Analysis of County-Level Cardiovascular Disease Mortality in the United States**
Yanfang Xu, Sch of Public Health, Sun Yat-sen Univ, Guangzhou, China; Ye Shen, Univ of Georgia, Athens, GA; Hui Huang, Statistical Science, Sun Yat-sen Univ, Guangzhou, China; **Donglan Zhang**, NYU Long Island Sch of Med, Mineola, NY
- P660 **Correlates of Cardiovascular Health Among Unhoused Individuals in a Southeastern City: A Pragmatic Measurement**
Anika L Hines, Virginia Commonwealth Univ, Richmond, VA; Margot Ackermann, Homeward, Richmond, VA; Allison Auten, Virginia Commonwealth Univ, Richmond, VA; Sarah Collins, VCU, Richmond, VA; Kelly King Horne, Homeward, Richmond, VA
- P661 **Potential Determinants Are Associated With Thyroid Peroxidase Antibodies Titers in Men and Women Participants of the ELSA-Brazil Study**
Vandrize Meneghini, Univ de São Paulo, Sao Paulo, Brazil; William Tebar, Univ de Sao Paulo - USP, Sao Paulo, Brazil; Itamar S Santos, Univ de Sao Paulo, Sao Paulo, Brazil; Carolina Janovsky, Hosp Universitário - USP, Sao Paulo, Brazil; Paulo A Lotufo, Univ of Sao Paulo, Sao Paulo, Brazil; Alessandra C Goulart, UNIVERSITY OF SAO PAULO, Sao Paulo, Brazil; Isabela M Bensenor, Hosp Univrio, Sao Paulo, Brazil

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- P662 **Thyroid Peroxidase Antibodies is Associated With Carotid Intima-Media Thickness in the Brazilian Longitudinal Study of Adult Health**
Vandrize Meneghini, universidade de Sao Paulo, Sao Paulo, Brazil; William Tebar, Univ de Sao Paulo - USP, Sao Paulo, Brazil; Itamar S Santos, Univ de Sao Paulo, Sao Paulo, Brazil; Carolina Janovsky, Hosp

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- P663 **Significantly Slower Progression of Aortic Calcification Among Japanese in Japan Than White and Japanese Americans in a Multiethnic Cohort of Middle-Aged Men - ERA JUMP (Electron-Beam Computed Tomography and Risk Factor Assessment in Japanese and US Men in the Post-World War II Birth Cohort) Study**
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- P664 **Proteomic Profiling of African-Ancestry Adults Identifies Potential Novel Biomarkers of Vascular Aging**
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- P665 **Thoracic Aorta Calcification and Left Ventricular Structure and Function Relevant to Heart Failure: The Multi-Ethnic Study of Atherosclerosis (MESA)**
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- P666 **Prevalence and Determinants of Left Ventricular Structural Abnormalities and Diastolic Dysfunction in Asymptomatic Mexican Americans Living in South Texas**
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- P667 **Association of Number of Calcified Coronary Arteries and Cardiovascular Outcomes Stratified by Calcification Volume: The Multi-Ethnic Study of Atherosclerosis (MESA)**
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- P668 **Age at Menarche, Adulthood Body Mass Index and Risk of Subclinical Atherosclerosis: A Mendelian Randomization Study**

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- P669 **Inflammatory Markers and Calcification of Coronary Arteries, Aorta and Cardiac Valves in Older Adults: Findings From the Atherosclerosis Risk in Communities (ARIC) Study**
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- P670 **Association of Left Atrial and Left Ventricular Sphericity With Left Ventricular Structure and Function**
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- P671 **Association Between Renal Function and Silent Cerebrovascular Disease in Japanese Men**
Naoko Miyagawa, KEIO UNIVERSITY SCHOOL OF MEDICINE, Tokyo, Japan; Naoyuki Takashima, Kinki Univ Faculty of Med, Osaka-Sayama, Osaka, Japan; Aya Kadota, Shiga Univ of Medical Science, Otsu, Japan; Akira Fujiyoshi, Wakayama Medical Univ, Wakayama, Japan; Sayuki Torii, Hiroyoshi Segawa, Itsuko Miyazawa, Shiga Univ of Medical Science, Otsu, Japan; Shinji Kume, Keiko Kondo, Shiga Univ of Medical Science, Otsu, Japan; Takashi Hisamatsu, Okayama Univ, Okayama, Japan; Yuichiro Yano, Shiga Univ of Medical Science, Otsu, Japan; Akihiko Shiino, Shiga Univ of Medical Science, Ohtsu, Japan; Kazuhiko Nozaki, Shiga Univ of Medical Science, Otsu, Japan; Hirotugu Ueshima, SHIGA UNIV OF MED SCI, Otsu, Japan; Katsuyuki Miura, SHIGA UNIVERSITY OF MEDICAL SCIENCE, Shiga, Japan
- P672 **Association of Intima-Media Thickness Measured at the Common-Carotid Artery With Incident Carotid Plaque**
Lena Tschiderer, Peter Willeit, Medical Univ of Innsbruck, Innsbruck, Austria; on behalf of the Proof-ATHERO consortium
- P673 **Intima-Media Thickness at the Near or Far Wall of the Common-Carotid-Artery in Cardiovascular Risk Assessment**
Lisa Seekircher, Peter Willeit, Medical Univ of Innsbruck, Innsbruck, Austria; on behalf of the Proof-ATHERO consortium
- P674 **Associations Between Visceral Adipose Tissue Area and Density With Renal Artery Calcification**
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- P675 **GlycA, but Not C-reactive Protein is Associated With Baseline Carotid Artery Plaque in the Brazilian Longitudinal Study of Adult Health (ELSA-Brasil)**
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- P676 **Association of Lipoprotein Subfractions With Atherosclerosis in the Baseline Sample of ELSA-Brasil Cohort Study - A Cross-Sectional Analysis**
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- P677 **Association of Antibodies to Citrullinated Protein Antigens (ACPA) With Coronary Artery Calcium and Abdominal Aorta Calcium in a Multi-Ethnic Community-Dwelling Population**
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- P678 **On the Relationship of Breast Arterial Calcification With Coronary Artery Calcification: A Pilot Study**
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