### MONDAY MARCH 18
5:00 – 7:00 PM

<table>
<thead>
<tr>
<th>Session Code</th>
<th>Topic</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>P01.01</td>
<td>Arrhythmia</td>
<td>Sudden Death</td>
</tr>
<tr>
<td>P01.02</td>
<td>Biomarkers</td>
<td>103-114</td>
</tr>
<tr>
<td>P01.03</td>
<td>Cardio-Oncology</td>
<td>115-116</td>
</tr>
<tr>
<td>P01.04</td>
<td>Clinical Trials and Intervention Studies</td>
<td>117-122</td>
</tr>
<tr>
<td>P01.05</td>
<td>Covid 19, HIV and Other Infections</td>
<td>123-130</td>
</tr>
<tr>
<td>P01.06</td>
<td>Diabetes 1</td>
<td>131-146</td>
</tr>
<tr>
<td>P01.07</td>
<td>Global Health</td>
<td>147-154</td>
</tr>
<tr>
<td>P01.08</td>
<td>Heart Failure</td>
<td>155-167</td>
</tr>
<tr>
<td>P01.09</td>
<td>LGBTQ Health</td>
<td>168-173</td>
</tr>
<tr>
<td>P01.10</td>
<td>Lipids &amp; Lipoproteins</td>
<td>174-188</td>
</tr>
<tr>
<td>P01.11</td>
<td>Nutrition and Diet 1</td>
<td>189-207</td>
</tr>
<tr>
<td>P01.12</td>
<td>Peripheral Artery Disease and Venous Thrombosis</td>
<td>208-211</td>
</tr>
<tr>
<td>P01.13</td>
<td>Physical Activity and Sedentary Behavior</td>
<td>212-223</td>
</tr>
<tr>
<td>P01.14</td>
<td>Policy</td>
<td>224-225</td>
</tr>
<tr>
<td>P01.15</td>
<td>Psychosocial Factors</td>
<td>226-241</td>
</tr>
<tr>
<td>P01.16</td>
<td>Stroke</td>
<td>242-248</td>
</tr>
</tbody>
</table>

**MODERATED POSTERS**

<table>
<thead>
<tr>
<th>Moderator Code</th>
<th>Topic</th>
<th>Moderator</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPS01</td>
<td>Social Determinants of Health/Health Equity and Social Justice</td>
<td><strong>Moderator:</strong> Mahasin Mujahid, MS, PhD, FAHA</td>
</tr>
<tr>
<td>MPS02</td>
<td>Hypertension</td>
<td><strong>Moderator:</strong> Tim Plante, MD MHS</td>
</tr>
<tr>
<td>MPS03</td>
<td>Cardiometabolic Health and Obesity</td>
<td><strong>Moderator:</strong> Jean Welsh, PhD, MPH, RN</td>
</tr>
<tr>
<td>MPS04</td>
<td>Aging and Brain Health</td>
<td><strong>Moderator:</strong> Erin Dooley, PhD</td>
</tr>
</tbody>
</table>

### TUESDAY MARCH 19
5:00 -7:00 PM

<table>
<thead>
<tr>
<th>Session Code</th>
<th>Topic</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>P02.01</td>
<td>Aging in Older Adults</td>
<td>249-260</td>
</tr>
<tr>
<td>P02.02</td>
<td>Cardiometabolic Health and Disorders 1</td>
<td>261-272</td>
</tr>
<tr>
<td>P02.03</td>
<td>Cardiometabolic Risk Prediction</td>
<td>273-289</td>
</tr>
<tr>
<td>P02.04</td>
<td>Dissemination/Implementation</td>
<td>290-292</td>
</tr>
<tr>
<td>P02.05</td>
<td>Environmental Exposures</td>
<td>293-299</td>
</tr>
<tr>
<td>P02.06</td>
<td>Health Services Research, Outcomes and Practice Improvement</td>
<td>300-308</td>
</tr>
<tr>
<td>P02.07</td>
<td>Hypertension</td>
<td>309-326</td>
</tr>
<tr>
<td>P02.08</td>
<td>Neurocognition and Brain Health</td>
<td>327-337</td>
</tr>
<tr>
<td>P02.09</td>
<td>Obesity and Adipose Tissue Distribution</td>
<td>338-350</td>
</tr>
<tr>
<td>P02.10</td>
<td>Physical Functioning and Quality of Life</td>
<td>351-353</td>
</tr>
<tr>
<td>P02.11</td>
<td>Pregnancy and Maternal and Fetal Health</td>
<td>354-360</td>
</tr>
<tr>
<td>P02.12</td>
<td>Promoting and Measuring Health Behaviors</td>
<td>361-372</td>
</tr>
<tr>
<td>P02.13</td>
<td>Social Determinants</td>
<td>373-388</td>
</tr>
<tr>
<td>P02.14</td>
<td>Surveillance</td>
<td>389-390</td>
</tr>
<tr>
<td>P02.15</td>
<td>Other</td>
<td>391</td>
</tr>
</tbody>
</table>

**MODERATED POSTERS**

| MPS05  | Nutrition | MP25-30 |
| MPS06  | Diabetes | MP31-36 |
| MPS07  | Sleep | MP37-42 |
| MPS08  | Childhood and Youth/Maternal Health | MP43-48 |
| MPS09  | NHLBI Posters *(note these are not listed below). Details can be found on the PDF for the NHLBI Satellite event* | MP49-54 |

**WEDNESDAY MARCH 20**

5:00 – 7:00 PM

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

**P519 moved to Tuesday**

**P530 Moved to Monday**

**MODERATED POSTERS**

| MPS10  | Lipids and Lipoproteins | MP55-60 |
| MPS11  | Physical Activity | MP61-66 |

**Moderator:**

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

MONDAY

P01.01 Arrhythmia | Sudden Death

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

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

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

P01.02 Biomarkers

P103
Alterations in Sarcopenia Index Are Associated With Inflammation, Gut and Oral Microbiota Among Heart Failure, Left Ventricular Assist Device and Heart Transplant Patients
Bruno Bohn, Univ of Colorado Anschutz, Aurora, CO; Melana Yuzefpolskaya, Annamaria Ladanyi, Columbia Univ Medical Ctr, New York, NY; Alberto Pinsino, Jacobi Medical Ctr, Bronx, NY; Lorenzo Braghiroli, Cleveland Clinic Fndn, Cleveland, OH; Matthew Carey, Kevin Clerkin, Columbia Univ, New York, NY; Gabriel T Sayer, Columbia Univ Medical Ctr, New York, NY;...
P104
Geospatially Varying Relationships of Green and Blue Spaces With Biomarkers of Stress and Cardiometabolic Risk in Racially and Ethnically Diverse Children
Junia N. de Brito, Univ of Minnesota, Minneapolis, MN; Lan Mu, Allan D. Tate, Univ of Georgia, Athens, GA; Angela Fertig, Mark A. Pereira, Jerica M. Berge, Univ of Minnesota, Minneapolis, MN

P105
Blood Lipids, Lipoproteins, and Apolipoproteins With Risk of Coronary Heart Disease: A Prospective Study Among Multi-Racial Populations
Kui Deng, Vanderbilt Univ Medical Ctr, Nashville, TN; Xiong-Fei Pan, Sichuan Univ, Chengdu, China; Markus W Voehler, Vanderbilt Univ, Nashville, TN; Hui Cai, Qiuyin Cai, Xiao-Ou Shu, Deepak K Gupta, Loren Lipworth, Wei Zheng, Danxia Yu, Vanderbilt Univ Medical Ctr, Nashville, TN

P106
Omega-3 Fatty Acids in Erythrocyte Membranes Are Differentially Associated With Cardiometabolic Risk Factors in Brazilian and Puerto Rican Adults
Lais Duarte Batista, Univ of São Paulo - Harvard T.H. Chan, Boston, MA; Regina Fisberg, Univ of São Paulo, São Paulo, Brazil; Katherine L Tucker, Univ of Massachusetts Lowell, Lowell, MA; Sherman Bigornia, Univ of New Hampshire, Durham, NH; Sabrina E. Noel, UMass Lowell, Westford, MA; William S Harris, Fatty Acid Res Inst, Sioux Falls, SD; Ribanna Aparecida Marques Braga, Nagila T Damasceno, Univ of São Paulo, São Paulo, Brazil; Josiener Mattei, Harvard T.H. Chan Sch of Public Health, Boston, MA

P107
The DASH Diet Reduces Markers of Subclinical Cardiac Injury Over an 8-week Period: Results From an Individual Level Meta-Analysis
Ben Grobman, Michael Liu, Harvard Medical Sch, Boston, MA; Carol Mita, Countway Library of Med, Boston, MA; Lawrence J Appel, Johns Hopkins Univ, Baltimore, MD; Lara Kovell, UMass Medical Sch, Worcester, MA; Edgar R Miller II, Johns Hopkins Medical Insts, Baltimore, MD; Mingyu Zhang, Harvard Medical Sch, Boston, MA; Ken J Mukamal, Beth Israel Deaconess Medical Ctr, Brookline, MA; Stephen P Juraschek, BIDMC-Harvard Medical Sch, Boston, MA

P108
Stroke Incidence and High Sensitivity C-reactive Protein Among African Americans: The Jackson Heart Study
Cellas Hayes, Stanford Univ, Mountain View, MS; Roland J Thorpe, John Hopkins Univ, Owings Mills, MD; Mandip S Dhamoon, Mount Sinai Sch of Med, New York, NY; Elizabeth Heitman, Univ of Texas Southwestern, Dallas, TX; Keith Norris, UCLA, Los Angeles, CA; Bettina Beech, Marino Bruce, Univ of Houston, Houston, TX; Benjamin Walker, Jennifer C. Reneker, Univ of Mississippi Medical Ctr, Jackson, MS

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

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

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

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

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

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

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

P01.03 Cardio-Oncology
P115
Urban Greenspace and All-Cause, Cardiovascular Disease-Specific, and Breast Cancer-Specific Mortality Among Older Women With Breast Cancer in the United States: Regional Variations Within the Surveillance, Epidemiology, and End Results and Medicare Linked Database
Jean C. Bikomeye, Sergey Tarima, Yuhong Zhou, Jamila L. Kwarteng, Andreas M. Beyer, Tina W. Yen, Medical Coll of Wisconsin, Milwaukee, WI; Aaron N. Winn, Univ of Illinois at Chicago, Chicago, IL; Kirsten M. Beyer, Medical Coll of Wisconsin, Milwaukee, WI

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

P01.04 Clinical Trials and Intervention Studies

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

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

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

P120
The Effectiveness on Weight Management by Body Composition Assessment and Smartphone Based Counselling Among Middle Aged Hong Kong Chinese: A 6 Month Randomized Controlled Trial
P122
**A Semi-Automated Tool Can Increase Stroke Clinical Trial Recruitment**
Murat Sari, UPMC, Pittsburgh, PA; UPMC Enterprise Productivity and Collaboration Services; Marcelo Rocha, UPMC, Pittsburgh, PA

**P01.05 Covid 19, HIV and Other Infections**

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

P124
**Associations of SARS-CoV-2 Infection and Cardiorespiratory Fitness: Findings From the Cooper Center Longitudinal Study**
Laura F Defina, The Cooper Inst, Dallas, TX; Matthew S Durstenfeld, UCSF, San Francisco, CA; David Leonard, Beth B Wright, The Cooper Inst, Dallas, TX; Kerem Shuval, The Cooper Inst, Alpharetta, GA; Andjelka Pavlovic, The Cooper Inst, Irving, TX; Nina Radford, Cooper Clinic, Dallas, TX; Jarett D Berry, UT Tyler Sch of Med, Tyler, TX; Kelley P Gabriel, Univ of Alabama at Birmingham, Birmingham, AL

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

P126
**Presentation Differences in ST-Segment Elevation Myocardial Infarction Between 2019-2021 Related to COVID-19**
Rebekah Lantz, Premier Health Network, Dayton, OH; Casey Walk, Dylan Hefner, Wright State Univ, Dayton, OH

P127
**Health Literacy and COVID-19 Infection and Vaccination: The C4R-MESA Study**
Sharon Stein Merkin, UCLA Sch of Med, Los Angeles, CA; Yiqun Jin, Columbia Univ, Fort Lee, NJ; Pallavi Balte, Columbia Univ, New York, NY; Karen Hinckley Stukovsky, Univ of Washington, Seattle, WA; Norrina B Allen, Northwestern Univ, Chicago, IL; Alain G Bertoni, Wake Forest Univ Sch Med, Pfafftown, NC; Pamela L Lutsey, Univ of Minnesota, Minneapolis, MN; Jim S Pankow, Univ Minnesota, Minneapolis, MN; Wendy S Post, Johns Hopkins Univ, Baltimore, MD; Teresa Seeman, UCLA, Los Angeles, CA; Steven Shea, Columbia Univ, New York, NY; Karol E Watson, UCLA Medical Ctr, Los Aeles, CA; Elizabeth Oelsner, Columbia Univ, New York, NY
Self-Reported Resilience During the COVID-19 Pandemic: The C4R-MESA Study

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

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

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

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


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

Byron C Jaeger, Ramon Casanova, Brian Wells, Yitbarek Demesie, Jeanette Stafford, Michael Bancks, Wake Forest Univ Sch of Med, Winston-Salem, NC
P132
Paso a Paso, Designing a Culturally Relevant Diabetes Prevention Intervention for Hispanic/Latino (H/L) People That Adheres to Evidence Based, Diabetes Prevention Program (DPP) Intervention Principles in the Hispanic/Latino (H/L) Community of Salt Lake County
Maribel Cedillo, Megan N. Miller, Univ of Utah, Salt Lake City, UT; Molly B Conroy, Univ of Utah, Salt Lake Cty, UT; Paul Estabrooks, Isabel T. Molina, Univ of Utah, Salt Lake City, UT; Gabriela Portugal-Bouza, Alliance Community Services, Salt Lake City, UT; Patricia Cortes, Mexican Consulate, Salt Lake City, UT

P134
Bidirectional Association of Diabetes and Heart Failure
Justin B Echouffo, Johns Hopkins Hosp, Baltimore, MD; Sui Zhang, Kuni Matsushita, Johns Hopkins Univ, Baltimore, MD; VIJAY NAMBI, Baylor Coll of Med, Sugar Land, TX; Christie M Ballantyne, Baylor Coll Med, Houston, TX; Amil M Shah, UT Southwestern Medical Ctr, Dallas, TX; Joe Coresh, Johns Hopkins SPH Welch Ctr, Baltimore, MD; Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD; Chiadi E Ndumele, Johns Hopkins Hosp, Baltimore, MD

P135
Effect of Cardiovascular Health Improvement at Midlife on Cardiovascular Event and Mortality Risk in Diabetes
Elisabeth Lilian Sattler, Univ of Georgia, Athens, GA; Camille Lassale, Cardiovascular Risk and Nutrition Group, Hosp del Mar Res Inst, 08003 Barcelona, Spain, and CIBER of Physiopathology of Obesity and Nutrition (CIBEROBN), Inst of Health Carlos III, 28029 Madrid, Spain; Donald M Lloyd-Jones, Northwestern Univ, Chicago, IL; Marie-Cécile PERIER, Univ Paris Cité, INSERM U970, Paris Cardiovascular Res Ctr (PARCC), Integrative Epidemiology of Cardiovascular Disease, 56 rue Leblanc, Paris 75015, France; Joshua J Joseph, The Ohio State Univ COM, Columbus, OH; Xavier Jouven, Bamba Gaye, Univ Paris Cité, INSERM U970, Paris Cardiovascular Res Ctr (PARCC), Integrative Epidemiology of Cardiovascular Disease, 56 rue Leblanc, Paris 75015, France

P136
Trends in Ultra-Processed Food Consumption Among US Adults With Prediabetes and Diabetes, 2001-2018
Zijing Guo, Johns Hopkins Univ, Baltimore, MD; Amelia S Wallace, JH Bloomberg Sch. of Public Health, Baltimore, MD; Mary R Rooney, Dan Wang, Casey M Rebholz, Johns Hopkins Univ, Baltimore, MD; Euridice M Steele, Univ of São Paulo, Sao Paulo, Brazil; Vanessa Garcia-Larsen, Julia A Wolfson, Mika Matsuzaki, Elizabeth Selvin, Michael Fang, Johns Hopkins Univ, Baltimore, MD

P137
Patient Level Determinants of Glycemic Control Among Patients With Type 2 Diabetes Mellitus in Primary Health Facilities in Ghana
Thomas Hinneh, Oluwabunmi V Ogungbe, Johns Hopkins Univ, Baltimore, MD; Faith Metlock, Johns Hopkins Univ Sch of Nursing, Baltimore, MD; Bernard Abeiku Mensah, Univ of Alberta, Baltimore, AB, Canada; Diana Baptiste, Johns Hopkins Univ Sch of Nursing, Baltimore, MD; Yvonne Commodore-Mensah, Johns Hopkins Sch of Nursin, Baltimore, MD

P138
Smoking Timing, Genetic Susceptibility, and Risk of Incident Type 2 Diabetes: A Cohort Study in UK Biobank
Ying Hu, Sch of Public Health and Tropical Med, Tulane Univ, New Orleans, LA; Xiang Li, Xuan Wang, Tulane Univ, New Orleans, LA; Hao Ma, Tulane Univ, Metairie, LA; Jian Zhou, Sch of Public Health and Tropical Med, Tulane Univ, New Orleans, LA; Rui Tang, Minghao Kou, Yoriko Heianza, Tulane Univ, New Orleans, LA; Zhaoxia Liang, Sch of Public Health and Tropical Med, Tulane Univ, New Orleans, LA; Lu Qi, Tulane Univ, New Orleans, LA

P139
Association Between Anthropometric Measurements and Diabetes and Their Abilities to Predict Diabetes: Based on the UK Whitehall II Study

P140
Using Group Model-Building to Understand and Address Type 2 Diabetes in Native Hawaiian Communities
Claire T Ing, Univ of Hawaii at Manoa, Honolulu, HI; Ka'apuni Kama, Meghan Kenney, Brooke Dolin, Kula no na Po'e Hawai'i, Honolulu, HI; Sarah M Marshall, Univ of Hawaii at Manoa, Honolulu, HI; Gregory Hester, Ulu HI-Tech, Honolulu, HI; Yi Zhu, Hawaii Pacific Univ, Honolulu, HI; B Puni Kekauoha, Kula no na Po'e Hawai'i, Honolulu, HI; Adrienne Y Dillard, Kula no na Po'e Hawai'i, Honolulu, HI

P141
T2D-DNA Methylation Score and Changes in Glycemic Traits in Response to Weight-Loss Dietary Interventions: The MACRO Trial
Xiang Li, Minghao Kou, Tulane Univ, New Orleans, LA; Hao Ma, Tulane Univ, New Orleans, LA; Xuan Wang, Lydia A Bazzano, Lu Qi, Tulane Univ, New Orleans, LA

P142
Trends and Racial/Ethnic Differences in Age at Diagnosis of Type 1 and Type 2 Diabetes Among Adults in the United States, 2016-2022
Kexin Li, Victor W. Zhong, Shanghai Jiao Tong Univ, Shanghai, China

P143
Lignan Intake and Mortality Among Adults With Incident Type 2 Diabetes

P144
1,5-Anhydroglucitol as a Marker of Hyperglycemic Excursions Defined by Continuous Glucose Monitoring in Older Adults
Natalie Daya Malek, John Hopkins, Baltimore, MD; Michael Fang, Jung-Im Shin, Johns Hopkins Univ, Baltimore, MD; Joe Coresh, Johns Hopkins SPH Welch Ctr, Baltimore, MD; Jim S Pankow, Univ Minnesota, Minneapolis, MN; Pamela L Lutsey, Univ of Minnesota, Minneapolis, MN; Arielle Valint, Univ of North Carolina, Chapel Hill, NC; Justin B Echouffo, Johns Hopkins Hosp, Baltimore, MD; Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD
Randomized Trial of an Integrated Care Intervention Among Latino Adults: Sustained Effects on Diabetes Management

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

P146
Strength Training Effectiveness in Normal-Weight Type 2 Diabetes Amongst Asian Americans

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

P01.07 Global Health

P147
Alcohol Consumption and Its Relation to Ectopic Adiposity in African Caribbean Men

Adrianna Isabel Acevedo-Fontanez, Univ of Pittsburgh, Pittsburgh, PA; Lily G. Bessette, Univ of Pittsburgh, Sch of Med, Pittsburgh, PA; Ryan Cvejkus, Univ of Pittsburgh, Pittsburgh, PA; John Jeffrey Carr, Vanderbilt, Nashville, TN; James G Terry, Vanderbilt Univ Medical Ctr, Nashville, TN; Sangeeta Nair, VUMC, Nashville, TN; Allison L Kuipers, Univ of Pittsburgh, Pittsburgh, PA; Victor Wheeler, Univ of Pittsburgh, Pittsburgh, PA, Scarborough, Trinidad and Tobago; Iva Miljkovic, Univ Pittsburgh, Pittsburgh, PA

P148
Prevalence and Correlates of Overweight and Obesity Among Adults in an Urban HIV Clinic in Uganda

Redeat L Assefa, Jim Aizire, Johns Hopkins Univ, 615 North Wolfe Street, Baltimore, MD; Sara Nsibirwa, Ponsiano Ocama, Makerere Univ Coll of Health Sciences, Kampala, Uganda; Gregory Kirk, Johns Hopkins Univ, Baltimore, MD

P151
Increased Gain of Skeletal Muscle Adiposity in Middle-Aged African Caribbean Men With Type 2 Diabetes

Ryan Cvejkus, Joseph Zmuda, Adam Santanasto, Univ of Pittsburgh, Pittsburgh, PA; Victor Wheeler, Tobago Health Studies, Scarborough, Trinidad and Tobago; Iva Miljkovic, Univ of Pittsburgh, Pittsburgh, PA

P152
Linguistic Acculturation is Associated With Better Cardiometabolic Health Among Bhutanese Refugees Living in the United States

Jamie Murkey, Natl Inst of Environmental Health Sciences, Research Triangle Park, NC; Rupsha Singh, Natl Inst on Aging, Baltimore, MD; Jeffrey Cohen, The Ohio State Univ, Columbus, OH; Taku Suzuki, Denison Univ, Granville, OH; Shambika Raut, The Ohio State Univ, Columbus, OH; Chandra Jackson, Francisco Montiel Ishino, Natl Inst of Environmental Health Sciences, Research Triangle Park, NC

P153
Disruptions to Diabetes and Hypertension Care During the COVID-19 Pandemic and Recovery Approaches in the Latin America and Caribbean Region

Oluwabunmi V Ogungbe, Johns Hopkins Univ, Baltimore, MD; Samira Jabakhanji, Sch of Population Health, RCSI Univ of Med and Health Sciences, Dublin, Ireland; ROOPA MEHTA, Dept de Endocrinología y Metabolismo, Insto Nacional de Ciencias Médicas y Nutricción, Salvador Zubirán, México City, Mexico; John McCaffrey, David Byrne, Sinead Hurley, Sch of Population Health, RCSI Univ of Med and Health Sciences, Dublin, Ireland; Rosman Lori, Eyrarn Bansah, Folahan Ibukun, Irene Afua Quashie, Katherine Lord, Lu Yidan, Johns Hopkins Univ, Baltimore, MD; Yunzhi Wang, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Asma Rayani, Johns Hopkins Univ, Baltimore, MD; Hairong Liu, Ann Mary Joseph, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Alejandro Escobosa, Johns Hopkins Univ, Baltimore, MD; Ivy Nyamuame, Dept of Radiology, Ho Teaching Hosp, Volta Regional Hosp, Ho, Ghana; Jieun Lee, Ning Meng, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Ibrahim Jehanzeb, Johns Hopkins Univ, Baltimore, MD; Temitope Akinyemi, Dept of Internal Med, Rutgers Univ and RWJBarnabas Health, Brunswick, NJ; Shoichiro Nohara, Kurume Univ, Kurume, Japan; Cecília Sousa, Juliana Farhat, Renato Bandeira de Mello, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Yvette Yeboah-Kordieh, MedStar Health, Baltimore, MD; Tara Taeed, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Lawrence J Appel, Johns Hopkins Univ, Baltimore, MD; Sonia Y Angell, Johns Hopkins Bloomberg Sch PH, Baltimore, MD; Edward Gregg, Sch of Population Health, RCSI Univ of Med and Health Sciences, Dublin, Ireland; Kunihiro Matsushita, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD

P01.08 Heart Failure

P155
Identifying Inpatient and Outpatient Factors That Reduce Heart Failure Exacerbation Readmissions


P156
Insurance Impact on Guideline-Directed Medical Therapy Prescription in HIV Heart Failure Patients: Past vs. Present Data From New York City's Largest Public Healthcare System

Yi-Yun Chen, Jacobi Medical Ctr/Albert Einstein Coll of Med, Bronx, NY; Pawel Borkowski, Jacobi Medical Ctr, Bronx, NY; Natalia Nazarenko, Matthew Parker, Luca Biavati, Coral Vargas-Pena, Jacobi Medical Ctr/Albert Einstein Coll of Med, Bronx, NY; Ishmum Chowdhury, Jacobi Medical Ctr, bronx, NY; Joshua Bock, Jacobi Medical Ctr/Albert Einstein Coll of Med, Bronx, NY; Robert Faillace, Jacobi Medical Ctr, Bronx, NY; Leonidas Palaiodimos, Albert Einstein Coll of Med, Bronx, NY

P157
Awareness of Heart Failure, Blood Pressure Management and Self-Efficacy: The Research Goes Red for Women Registry

Katherine Conners, Maryam Hashemian, Natl Heart, Lung, and Blood Inst, Bethesda, MD; Claire Kinzy, American Heart Association, Knotts Island, NC; Jennifer L Hall, American Heart Association, Dallas, TX; Christine Herr, Reeti Sharma, Verily, San Francisco, CA; Pratheek Mallya, American Heart Association, Amherst, MA; Juan Zhao, American Heart Association, Brentwood, TN; Nasrien Ibrahim, Brigham and Women’s Hosp, Boston, MA; Joe Shearer,
P158

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

Priscilla Duran Luciano, Albert Einstein Coll of Med, Bronx, NY; Ambarish Pandey, UT Southwestern Medical Ctr, Dallas, TX; Katrina Swett, Robert Kaplan, Albert Einstein Coll of Med, Bronx, NY; Gregory A Talavera, San Diego State Univ, Chula Vista, CA; Martha L Daviglus, Univ Illinois Chicago, Chicago, IL; Neil Schneiderman, Univ of Miami, Coral Gables, FL; Barry E Hurwitz, Univ of Miami, Miami, FL; Sanjiv J Shah, Northwestern Univ, Chicago, IL; Tamar Sofer, Beth Israel Deaconess Medical Cntr, Boston, MA; Scott D Solomon, Brigham and Women's Hosp, Boston, MA; Susan Cheng, Cedars-Sinai, Los Angeles, CA; Larissa Aviles-Santa, NHLBI, Bethesda, MD; Humberto Parada Jr., San Diego State Univ, San Diego, CA; Bharat Thyyaragaran, Univ of Minnesota, Minneapolis, MN; Franklyn Gonzalez II, CSCC - UNC Chapel Hill, Chapel Hill, NC; Mayank Mohan Kansal, Univ of Illinois at Chicago, Chicago, IL; James M Tauras, Montefiore Medical Ctr/Weiler Div, Bronx, NY; Mathew S Maurer, Columbia Univ, New York, NY; Carlos Jose Rodriguez, Albert Einstein Sch of Med, Bronx, NY

P159

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

Ambarish Pandey, UT Southwestern Medical Ctr, Dallas, TX; Priscilla Duran Luciano, Katrina Swett, Albert Einstein Coll of Med, Bronx, NY; Robert Kaplan, Albert Einstein Coll of Med, New York, NY; Gregory A Talavera, San Diego State Univ, Chula Vista, CA; Martha L Daviglus, Univ Illinois Chicago, Chicago, IL; Neil Schneiderman, Univ of Miami, Coral Gables, FL; Barry E Hurwitz, Univ of Miami, Miami, FL; Sanjiv J Shah, Northwestern Univ, Chicago, IL; Tamar Sofer, Beth Israel Deaconess Medical Cntr, Boston, MA; Scott D Solomon, Brigham and Women's Hosp, Boston, MA; Susan Cheng, Susan Cheng, Los Angeles, CA; Larissa Aviles-Santa, NHLBI, Bethesda, MD; Humberto Parada Jr., San Diego State Univ, San Diego, CA; Bharat Thyyaragaran, Univ of Minnesota, Minneapolis, MN; Franklyn Gonzalez II, CSCC - UNC Chapel Hill, Chapel Hill, NC; Mayank Mohan Kansal, Univ of Illinois at Chicago, Chicago, IL; James M Tauras, Montefiore Medical Ctr/Weiler Div, Bronx, NY; Mathew S Maurer, Columbia Univ, New York, NY; Carlos Jose Rodriguez, Albert Einstein Sch of Med, Bronx, NY

P160

Prevalence of Genetic Dilated Cardiomyopathy: A Systematic Literature Review


P161

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

P162
Projected Reduction in Incident Non-Ischemic Heart Failure by Controlling Risk Factors in Individuals With Diabetes
Susan Hennessy, Joanne Penko, Pamela G Coxson, Ross Boylan, UCSF, San Francisco, CA; Brandon K Bellows, Yiyi Zhang, Columbia Univ, New York, NY; Kendra D Sims, Boston Univ Sch of Public Health, Boston, MA; Andrew E Moran, Columbia Univ, New York, NY; Kirsten Bibbins-Domingo, UCSF, San Francisco, CA; Dhruv S Kazi, BIDMC, Boston, MA

P163
Smoking Timing and Hazard of Incident Heart Failure: A Cohort Study in UK Biobank
Ying Hu, Sch of Public Health and Tropical Med, Tulane Univ, New Orleans, LA; Xiang Li, Rui Tang, Tulane Univ, New Orleans, LA; Jian Zhou, Sch of Public Health and Tropical Med, Tulane Univ, New Orleans, LA; Minghao Kou, Xuan Wang, Tulane Univ, New Orleans, LA; Hao Ma, Tulane Univ, Metairie, LA; Yoriko Heianza, Tulane Univ, New Orleans, LA; Zhaoxia Liang, Sch of Public Health and Tropical Med, Tulane Univ, New Orleans, LA; Lu Qi, Tulane Univ, New Orleans, LA

P164
Patient-Reported Awareness and Understanding of the Diagnosis of Heart Failure With Preserved Ejection Fraction
Yulia Khodneva, UAB, Birmingham, AL; Pankaj Arora, Univ of Alabama at Birmingham, Birmingham, AL; Larry Hearld, UAB, Birmingham, AL; Megan Nordberg, Andrea Cherrington, Univ ofAlabama at Birmingham, Birmingham, AL

P165
Home- and Center-Based Cardiac Rehabilitation Utilization Among Adults With Heart Failure in Kaiser Permanente Southern California
Matthew T. Mefford, Su-Jau Yang, Kristi Reynolds, Kaiser Permanente, Pasadena, CA; Tadashi T. Funahashi, Kaiser Permanente, Irvine, CA; Rachid Elkoustaf, Columbus D. Batiste, Kaiser Permanente, Riverside, CA; Debora A. Lahti, Kaiser Permanente, Pasadena, CA; Chileshe Nkonde-Price, Kaiser Permanente Sch of Med, Santa Clarita, CA

P166
Social Isolation and Social Support Are Associated With Self-Rated Health and Heart Failure Outcomes in the Atherosclerosis Risk in Communities (ARIC) Study
Kennedy M Peter-Marske, UNC at Chapel Hill, Chapel Hill, NC; Annie Green Howard, UNC, Chapel Hill, NC; Kelly R Evenson, UNC Dept of Epidemiology, Chapel Hill, NC; Sara Jones Berkeley, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Joanna Maselko, UNC at Chapel Hill, Chapel Hill, NC; Mario Sims, Univ of California, Riverside, Corona, CA; Anna Kucharska-Newton, Univ North Carolina, Chapel Hill, NC; Stuart D Russell, Duke Univ Medical Ctr, Raleigh, NC; Kevin Sullivan, Univ of Mississippi Medical Ctr, Jackson, MS; Wayne D Rosamond, Univ of North Carolina, Chapel Hill, NC
Association Between Obesity and New-Onset Heart Failure Among People With Hypertension in Thailand
Boonsub Sakboonyarat, Jaturon Poovieng, Ram Rangsin, Phramongkutklao Coll of Med, Bangkok, Thailand

P01.09 LGBTQ Health

Life's Simple Seven by Sexual Orientation and Sex in the CARDIA Cohort
Lauren B Beach, B. R. Slone, Grace Avila, Northwestern Univ, Chicago, IL; Ankeet Bhatt, Kaiser Permenante, San Francisco, CA; James M Shikany, Univesity of Alabama at Birmingham, Birmingham, AL; Pamela Schreiner, Univ of Minnesota, Minneapolis, MN; Carl Streed Jr., Boston Univ Medical Ctr, Boston, MA; Billy A Caceres, Columbia Univ, New York, NY; Gregory Phillips, Northwestern Univ, Chicago, IL; Tonia Poteat, Duke Univ Sch of Nursing, Durham, NC; Krista Perreira, Univ of North Carolina Sch, Chapel Hill, NC; Cora E Lewis, University of Alabama at Birmingham, Birmingham, AL; Mercedes R Carnethon, Patrick Janulis, Northwestern Univ, Chicago, IL

Cardiovascular Disease Incidence Among Male Veterans by Sexual Orientation and Race
Meredith Stevenson Duncan, Univ of Kentucky, Lexington, KY; Carl Streed Jr., Boston Univ Medical Ctr, Boston, MA; Kory Heier, Univ of Kentucky, Lexington, KY; John O'Leary, Veterans Affairs Connecticut Healthcare System, West Haven, CT; Melissa Skanderson, Veterans Affairs Connecticut Healthcare System, Freeport, PA; Joseph Goulet, Veterans Affairs Connecticut Healthcare System, West Haven, CT

Cognitive Function at Midlife by Sexual Orientation and Gender Identity in the CARDIA Cohort
Allegra Kawles, B. R. Slone, Grace V Avila, Molly A Mather, Northwestern Univ, Chicago, IL; Ankeet Bhatt, Kaiser Permenante, San Francisco, CA; James M Shikany, Cora E Lewis, Univ of Alabama at Birmingham, Birmingham, AL; Pamela Schreiner, Univ of Minnesota, Minneapolis, MN; Farzaneh A Sorond, Northwestern Univ, Chicago, IL; Kristine Yaffe, Univ of California San Francisco, San Francisco, CA; Patrick Janulis, Tamar Gefen, Lauren B Beach, Northwestern Univ, Chicago, IL

Patient and Interdisciplinary HIV Care Experts Illness Representations on HIV Comorbidities and Usability of a Virtual Environment as Heart Disease Prevention Education in Ethnic and Racial Sexual Minority Men With HIV
S. Raquel Ramos, Yale Univ Sch of Nursing, Orange, CT; Allison Vorderstrasse, Univ of Massachusetts Amherst, Amherst, MA; Constance Johnson, The Univ of Texas, Houston, TX; Gail Melkus, New York Univ, New York, NY; Trace Kershaw, Yale Univ Sch of Public Health, New Haven, CT; Harmony Reynolds, NYU Grossman Sch of Med, New York, NY

Potential Contribution of Social Factors in Reducing Population Disparities in Cardioprotective Health Behavior Between Bisexual, Gay/Lesbian, and Straight Adults
Adovich Rivera, Kaiser Permanente Southern Calif, Pasadena, CA; Chun Chao, Kaiser Permanente Southern California, Pasadena, CA; Rulin Hechter, Kaiser Permanente, Pasadena, CA

P173
Examining Sexual Identity Differences in Ideal Cardiovascular Health
Yashika Sharma, Billy A Caceres, Columbia Univ, New York, NY

P01.10 Lipids and Lipoproteins

P174
Food as Medicine: Evaluating the Effect of a Food Insecurity Intervention on Lipid-Lowering Prescription Medications

P175
Total Fasting and Post-Load and Individual Fasting Non-Esterified Fatty Acids and Total and Cause-Specific Mortality: The Cardiovascular Health Study
Yakubu Bene-Alhasan, Medstar Health, Baltimore, MD; Sanyog G Shitole, Univ of California, San Francisco, CA; Nirupa R Matthan, Alice H Lichtenstein, Tufts Univ, Boston, MA; Joachim H Ix, Univ of California San Diego, San Diego, CA; Petra Buzkova, Univ of Washington, Seattle, WA; Calvin Hirsch, UC Davis Medical Ctr, Sacramento, CA; David SSiscovick, The New York Acad Med, New York, NY; JORGE R KIZER, San Francisco VA, San Francisco, CA; Luc Djousse, BWH and Harvard Med Sch, Boston, MA; Ken J Mukamal, Beth Israel Deaconess Medical Ctr, Brookline, MA

P176
Consumption of Sugar-Sweetened Beverages Lowers Lipoprotein(a) Levels in Obese and Overweight Adults: Findings in a Double-Blind Parallel-Arm Study
Hayley Law, Univ of California Davis, Davis, CA; Kimber L Stanhope, UC Davis, Davis, CA; Wei Zhang, Zahraa Jamshed, Munkhtuya Myagmarsuren, Univ of California Davis, Davis, CA; Muhammad Khan, UC Davis, Davis, CA; Heejung Bang, Univ of California Davis, Davis, CA; Peter J. Havel, Univ of California, Davis, Davis, CA; Lars Berglund, UC Davis, Davis, CA; Enkhmaa Byambaa, Univ of California Davis, Davis, CA

P177
Effect of Coenzyme Q10 Supplementation on Statin-Related Myopathic Pain: A Systematic Review and Meta-Analysis of Randomized Controlled Trials
Francinny Alves Kelly, Insto de Cardiologia Dante Pazzanese, Sao Paulo, Brazil; Victoria Morbach Siebel, Univ Feveale, Taquara, Brazil; Maria Eduarda Eduarda Cavalcanti Souza, Univ of Pernambuco, Jaboatão do Guararapes, Brazil; Renan Yuji Sudo, Federal Univ of Grande Dourados, Dourados, Brazil; Francisco Cezar Aquino Moraes, Federal Univ of Para, Belém, Brazil; Maria Luisa Siegloch Barros, Federal Univ of Acre (UFAC), Rio Branco, Brazil; Pedro Lucas Lima, Univ Federal do Acre, Rio Branco, Brazil; Lucca Moreira lopes, Faculdade de Ciencias Medicas de Santos, Santo andre, Brazil; Marianna Gerardo Leite, Santa Marcelina Univ, Sao Paulo, Brazil; Artur De Oliveira Lobo, Univ of Pernambuco, Jaboatão do Guararapes, Brazil; Antonio LAURINAVICIUS, SANOFI, Rio De Janeiro, Brazil; Marcio Goncalves de Sousa, Insto Cardiologia Dante Pazzanese, Sao Paulo, Brazil; Jonathan Souza, Insto Dante Pazzanese, Sao Paulo, Brazil
P178
Prevalence of Elevated LDL-C and Non-HDL-C in Adults With Total Serum Cholesterol in the Normal Range
Mohammed Essa, Harvard Sch of Public Health, Watertown, MA; Zhiyaun Zhang, Yale Sch of Med, New Haven, CT; Seth S Martin, Johns Hopkins Sch of Med, Baltimore, MD; Erin D Michos, Johns Hopkins, Clarksville, MD; Steven R Jones, The Johns Hopkins Univ, Baltimore, MD; Erica S Spatz, Yale Univ Sch Med, New Haven, CT; Roger S Blumenthal, Roger Blumenthal, Baltimore, MD; Kamil Faridi, Yale Sch of Med, New Haven, CT

P179
Association Between Serum Metabolites and Carotid Atherosclerosis Among Japanese Men
Gantsetseg Ganbaatar, Aya Kadota, Yukiko Okami, Shiga Univ of Medical Science, Otsu, Japan; Luke Whiley, Queenie Chan, Murdoch Univ, Murdoch, Australia; Emma Barinas-Mitchell, Univ of Pittsburgh, Pittsburgh, PA; Sayuki Torii, Shiga Univ of Medical Science, Otsu, Japan; Keiko Kondo, Shiga Univ of Medical Science, Ostu, Japan; Katsutarou Morino, Takashi Hisamatsu, Shiga Univ of Medical Science, Ostu, Japan; Akira Fujiyoshi, Wakayama Medical Univ, Wakayama, Japan; Akira M Sekikawa, Univ Pittsburgh, Pittsburgh, PA; Hirotsugu Ueshima, Shiga Univ of Medical Science, Otsu, Japan; Katsuyuki Miura, Shiga Univ of Medical Science, Shiga, Japan; The SESSA Research Group

P180
Navigating Lipid Discrepancies: Implications for Cardiovascular Risk With LDL, Non-HDL, LDL-P, and ApoB
Sharjeel Hassan, Scripps Health, San Diego, CA; Douglas W. Triffon, Scripps Health, Del Mar, CA

P181
Association Between Non-Alcoholic Fatty Liver Disease Risk SNP Variants and Lipid Metabolism
Hiroaki Ikezaki, Kyushu Univ, Fukuoka, Japan; Masayuki Murata, Nobuyuki Shimono, Kyushu Univ Hosp, Fukuoka, Japan; Ernst J Schaefer, Tufts Univ, Boston, MA

P182
Ratio of Cholesterol to Triglycerides Within High-Density Lipoprotein (HDL) as a Novel Marker of Risk for Myocardial Infarction (MI)
Yuka Koyama, Univ of North Carolina Sch of Med, Chapel Hill, NC; Christy L Avery, Kristin Young, Sarah Koenigsberg, Carolina G Downie, Michelle Meyer, Univ of North Carolina, Chapel Hill, NC; Daniel I Chasman, Kathryn M Rexrode, Brigham and Womens Hosp, Boston, MA; Kari E North, Ming Ding, Univ of North Carolina, Chapel Hill, NC

P183
Cholesterol Ester 18:2 is an Exercise Inducible Metabolite Associated With a Favorable Cardiometabolic Profile
Eric Leszczynski, Prasun Kumar Dev, Univ of South Carolina, Columbia, SC; Jacob Barber, Prashant Rao, Michael Mi, Beth Israel Deaconess Medical Ctr, Boston, MA; Sujoy Ghosh, Pennington Biomedical Res Ctr, Baton Rouge, LA; Clary Clish, Broad Inst of MIT and Harvard, Cambridge, MA; Claude Bouchard, Pennington Biomedical Res Ctr, Baton Rouge, LA; Jeremy Robbins, Robert E Gerszten, Beth Israel Deaconess Medical Ctr, Boston, MA; Mark A Sarzynski, Univ of South Carolina, Columbia, SC
Association of Plasma Lipid Species With Lipoprotein Insulin Resistance Score Before and After Exercise Training

**Eric Leszczynski**, Prasun Kumar Dev, Univ of South Carolina, Columbia, SC; Jacob Barber, Prashant Rao, Michael Mi, Beth Israel Deaconess Medical Ctr, Boston, MA; Sujoy Ghosh, Pennington Biomedical Res Ctr, Baton Rouge, LA; Margery Connelly, Labcorp, Morrisville, NC; Clary Clish, Broad Inst of MIT and Harvard, Cambridge, MA; Claude Bouchard, Pennington Biomedical Res Ctr, Baton Rouge, LA; Jeremy Robbins, Robert E Gerszten, Beth Israel Deaconess Medical Ctr, Boston, MA; Mark A Sarzynski, Univ of South Carolina, Columbia, SC

P185

Plasma Lipidome Signature of Visceral Fat Reveals Heterogenous Cardiometabolic Risk Profiles

**Eric Leszczynski**, Prasun Kumar Dev, Univ of South Carolina, Columbia, SC; Jacob Barber, Prashant Rao, Michael Mi, Beth Israel Deaconess Medical Ctr, Boston, MA; Sujoy Ghosh, Pennington Biomedical Res Ctr, Baton Rouge, LA; Clary Clish, Broad Inst of MIT and Harvard, Cambridge, MA; Claude Bouchard, Pennington Biomedical Res Ctr, Baton Rouge, LA; Jeremy Robbins, Robert E Gerszten, Beth Israel Deaconess Medical Ctr, Boston, MA; Mark A Sarzynski, Univ of South Carolina, Columbia, SC

P186

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

**Keva Li**, Andrew Min, Halbert Bai, Jason Storch, Jenny Chen, Icahn Sch of Med at Mount Sinai, New York, NY; Windsor Ting, Mount Sinai Sch of Med, New York, NY

P187

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

**Saeid Mirzai**, Rishi Rikhi, Parag A Chevli, Mohanad Gabani, Wake Forest Univ Sch of Med, Winston Salem, NC; Annie Green Howard, UNC, Chapel Hill, NC; Tina E Brinkley, Morgana Mongraw-Chaffin, David M Herrington, Dalane W Kitzman, Wake Forest Univ Sch of Med, Winston Salem, NC; Matthew A Allison, Univ of California San Diego, La Jolla, CA; Michael D Shapiro, Wake Forest Univ Sch of Med, Winston Salem, NC

P188

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

Pramodkumar T Aravindakshan, Emory Univ, Atlanta, GA; Charlita C Worthy, Eliza A Huefner, Mariam S Sayed, Jamaica S Hurston, Christopher W DuBose, Natl Insts of Health, Bethesda, MD; Ram Jagannathan, Emory Univ, Atlanta, GA; **Anne E Sumner**, Natl Insts of Health, Bethesda, MD

P01.11 Nutrition and Diet 1

P189

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

**Hala B Alessa**, Harvard Univ - Kuwait Univ, Boston, MA; Caleigh M. Sawicki, BWH, Harvard Medical Sch, Boston, MA; Walter Willett, Harvard Univ, Boston, MA; Shilpa Bhupathiraju, Harvard Univ, Boston, MA, MA; Frank B Hu, Harvard Univ, Boston, MA
P190
Association of Meal Timing With Measures of Obesity: The Hispanic Community Health Study/Study of Latinos
Sarah Alver, Fred Hutchinson Cancer Ctr, Seattle, WA; Brandilyn Peters-Samuelson, Yasmin Mossavar-Rahmani, Qibin Qi, Albert Einstein Coll of Med, Bronx, NY; Amanda C McClain, San Diego State Univ, San Diego, CA; Bharat Thyagarajan, Univ of Minnesota Medical Ctr, Minneapolis, MN; Martha L Daviglus, Univ Illinois Chicago, Chicago, IL; Linda Van Horn, Northwestern Univ Medical Sch, Chicago, IL; Robert Kaplan, Albert Einstein Coll of Med, Bronx, NY

P191
Changes in Ultra-Processed Food Intake During the Transition to Adulthood Are Associated With Blood Pressure in Early Adulthood Among a Filipino Birth Cohort
Kyle R Busse, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Nanette Lee Mayol, Univ of San Carlos, Cebu City, Philippines; Linda S Adair, Univ of North Carolina at Chapel Hill, Chapel Hill, NC

P192
Association Between Time-Restricted Eating and All-Cause and Cause-Specific Mortality
Meng Chen, Sch of Public Health, Shanghai Jiao Tong Univ Sch of Med, Shanghai, China; Victor W. Zhong, Shanghai Jiao Tong Univ, Shanghai, China

P193
Sex Moderates Diet Quality Differences in Integrated Collaborative Care for Comorbid Obesity and Depression: Post-Hoc Analysis of the Research Aimed at Improving Both Mood and Weight Randomized Clinical Trial
Sydney W Chin, Univ of Illinois Chicago, Chicago, IL; Nan Lv, Univ of Illinois at Chicago, Palo Alto, CA; Zhengxin Tang, Univ of Illinois Coll of Med, Chicago, IL; Aankika Parikh, Univ of Illinois Chicago, Chicago, IL; Jun Ma, Univ of Illinois, Chicago, IL

P194
Consumption of Added Sugar and Added Sugar-Rich Foods and Beverages is Associated With Accelerated Epigenetic Aging in the Coronary Artery Risk Development in Young Adults (CARDIA) Study
Katherine Copp, Lyn Steffen, So-Yun Y Yi, Xia Zhou, David R Jacobs Jr., Univ of Minnesota, Minneapolis, MN; James M Shikany, Univ of Alabama at Birmingham, Birmingham, AL; Jamal S Rana, Kaiser Permanente, Oakland, CA; Brian Joyce, Yinan Zheng, Kyeezu Kim, Lifang Hou, Northwestern Univ, Chicago, IL

P195
Metabolites Mediate the Association of the MIND Diet With Hypertension and Chronic Kidney Disease
Catharine Couch, Univ of Alabama at Birmingham, Birmingham, AL; Zsuzsanna Ament, HMS MGH, Boston, MA; Amit Patki, UAB, Birmingham, AL; Naruchorn Kiipaisalratana, Massachusetts General Hosp, Boston, MA; Varun Mahesh Bhave, Harvard Medical Sch, Cambridge, MA; Alana Jones, Nicole Davis Armstrong, Univ of Alabama at Birmingham, Birmingham, AL; W. Taylor Kimberly, MGH, Belmont, MA; Ryan M Irvin, UNIVERSITY ALABAMA BIRMINGHAM, Birmingham, AL

P196
The Effects of Initiating a 24-hour Fast With a Low versus a High Carbohydrate Protein Shake on Heart Rate Variability in the Elderly
Landon Deru, Univ of Kansas Medical Ctr, Kansas City, KS; Elizabeth Gipson, Katelynn Hales, Bruce Bailey, Brigham Young Univ, Provo, UT

P197
**Dietary Quality Determined by Healthy Eating Index-2015 and Endothelial Function in Healthy Adults**

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

P198
**Developing a Practical, Evidence-Based Framework for Evaluating Community Nutrition Security Interventions**

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

P199
**Oral Microbiome Potentially Modifies the Cardiometabolic Benefits of Nitrate Consumption: Results From the Oral Infections Glucose Intolerance and Insulin Resistance Study (ORIGINS)**


P200
**Mediterranean Diet and Metabolic Syndrome in Adolescents: An Analysis From the National Health and Nutrition Examination Survey 2015-2020**

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

P201
**Adherence to Time-Restricted Eating is Related to Long-Term Weight Changes Among Women**

Yoriko Heianza, Tulane Univ, New Orleans, LA; Leah E Cahill, Dalhousie Univ, Halifax, NS, Canada; Oona J DiMatteo, Emily M Drotz, Tulane Univ, New Orleans, LA; Qi Sun, Harvard Sch of Public Health, Boston, MA; JoAnn E Manson, Brigham and Women's Hosp, Boston, MA; Lu Qi, Tulane Univ, New Orleans, LA
The Effects of Sodium (Na) Reduction and the Dash Diet on Ambulatory Blood Pressure in Black and Non-Black Individuals: Results From the DASH-Na Trial
Tasfia Hussain, Johns Hopkins Univ, Baltimore, MD; Stephen P Juraschek, BIDMC-Harvard Medical Sch, Boston, MA; Edgar R Miller III, Johns Hopkins Medical Insts, Baltimore, MD; Lawrence J Appel, Johns Hopkins Univ, Baltimore, MD

P203
Healthy Diet Perception, Cardiovascular Disease, and Risk Factors in Americans
Jenny Jia, Northwestern Univ, Chicago, IL

P204
Diet Significantly Influences Adipose Tissue Weight and Adipokine Expression in Response to Probiotic Administration in Male Mice

P205
Poor Sleep Quality and Daytime Sleepiness Associated With Lower Quality Diet in an Israeli Cohort
Kathryn E Kennedy, Rockwell Bortz, The Univ of Arizona, Tucson, AZ; Elliot Rosenberg, Ministry of Health, Jerusalem, Israel; Michael A Grandner, Univ of Arizona, Tucson, AZ

P206
Family Food Study: Findings From a Mixed Methods Pilot Study Examining Diet Among Chinese American Families in New York City

P207
Blood Metabolomic Signatures of 24-hr Urinary Sodium and Potassium Excretion Were Associated With Cardiometabolic Diseases in the Hispanic Community Health Study/Study of Latinos
Kai Luo, Yasmin Mossavar-Rahmani, Albert Einstein Coll of Med, Bronx, NY; Martha L Daviglus, Univ Illinois Chicago, Chicago, IL; Robert Burk, Albert Einstein Coll of Med, Bronx, NY; Daniel L Labovitz, Montefiore Medical Ctr, Bronx, NY; Bing Yu, Univ of TX Health Sci Ctr Houston, Houston, TX; Eric Boerwinkle, UTHealth, Houston, TX; Lifang Hou, Northwestern Univ, Chicago, IL; Robert Kaplan, Qibin Qi, Albert Einstein Coll of Med, Bronx, NY

P01.12 Peripheral Artery Disease and Venous Thrombosis

P208
Normal Ratio of Right and Left Ventricular Volumes in a Community-Dwelling Cohort: The Framingham Heart Study
Philimon N Gona, Univ of Massachusetts, Boston, Boston, MA; Mariam Qazi, Univ of Texas Health Sciences Ctr, Tyler, Tyler, TX; Carol Salton, Beth Israel Deaconess Medical Ctr, Boston, MA; Christopher J O'Donnell, Harvard Medical Sch, Boston, MA; Warren J Manning, Beth Israel Deaconess Medical Ctr, Boston, MA; Michael L Chuang, Cardiovascular Res Fndn, New York, NY
Accelerometer-Measured Sedentary Behaviors and Venous Thromboembolism Risk Among Older Women
Laura B. Harrington, Kara L. Cushing-Haugen, Kaiser Permanente Washington Health Res Inst, Seattle, WA; Steven Nguyen, Univ of California San Diego, San Diego, CA; Michael J. LaMonte, Univ at Buffalo, Buffalo, NY; Marcia L. Stefanick, Stanford Univ Sch of Med, Stanford, CA; Matthew A. Allison, Univ of California San Diego, La Jolla, CA; Robert B. Wallace, Univ of Iowa, Iowa City, IA; JoAnn E. Manson, Harvard Medical Sch, Boston, MA; Majken K. Jensen, Univ of Copenhagen, Copenhagen, Denmark; Christopher Kabrhel, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA; Gregory A. Wellenius, Boston Univ, Boston, MA; I-Min Lee, Harvard Medical Sch, Boston, MA; John Bellettiere, Univ of California San Diego, San Diego, CA; Kenneth J. Mukamal, Beth Israel Deaconess Medical Ctr, Brookline, MA; Andrea Z. LaCroix, Univ of California San Diego, San Diego, CA

Incident Venous Thromboembolism and Subsequent Risk of Cardiovascular Outcomes: The Atherosclerosis Risk in Communities (ARIC) Study
Yejin Mok, Johns Hopkins Univ, Baltimore, MD; Maya Salameh, Johns Hopkins Sch of Med, Baltimore, MD; Mary Cushman, Univ of Vermont, Burlington, VT; Debora Kamin Mukaz, Univ of Vermont, Colchester, VT; Pamela L Lutsey, Univ of Minnesota, Minneapolis, MN; Wayne D Rosamond, Univ of North Carolina, Chapel Hill, NC; Aaron R Folsom, Weihong Tang, Univ of Minnesota, Minneapolis, MN; Kunihiro Matsushita, Johns Hopkins Univ, Baltimore, MD

Burden and Temporal Trend of Peripheral Artery Disease in the United States and Its Attributable Risk Factors From 1990-2019: An Insights From the Global Burden of Disease Study 2019
Rafael Cortorreal Javier, Univ Iberoamericana UNIBE, Santo Domingo, Dominican Republic; Anusha Parisapogu, Mayo Clinic, Rochester, MN; Nmair Alziadin, Portsmouth Regional Hosp, Dover, NH; Anjani Kumar Thota, Sinai Hosp of Baltimore, Baltimore, MD; Khush Dadhania, Hackensack Meridian Mountainside Medical Ctr, Pleasanton, CA; Vinay Kumar Gadamidi, Virtua Health, Cherry Hill, NJ; Priyatha VEMPARALA, All India Inst of Medical Sciences, Hyderabad, Telangana, India; Juhi PATEL, G.M.E.R.S Medical Coll Valsad, Valsad, India; Hardik Dineshbhai Desai, Gujarat Adani Inst of Medical Sciences, Affiliated to K.S.K.V Univ, Bhuj, India

Physical Activity and Sedentary Behavior

Adherence Trends to a Remotely Supervised Weight Loss and Exercise Training Intervention to Improve Rheumatoid Arthritis Cardiovascular Risk
Katherine A. Collins, Leanna M. Ross, Alyssa M. Sudnick, Brian J. Andonian, Kim M. Huffman, Duke Univ Sch of Med, Durham, NC

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

P215
Activity Behaviors and Cardiometabolic Health Outcomes in People Living With HIV
Raymond Jones, Michael J Hankes, Nicole D Armstrong, Kelley P Gabriel, Thomas W Buford, Erin E Dooley, Univ of Alabama at Birmingham, Birmingham, AL

P216
Physical Fitness and Incidence of Metabolic Syndrome Before Midlife in Military Young Adults: A Cohort Study
Gen-Min Lin, Hualien Armed Forces Gen Hosp, Hualien, Taiwan

P217
Directionality of Associations Between Daily Physical Activity and Cognition Among Older Adults in the Baltimore Longitudinal Study of Aging
Francesca R Marino, Jennifer A. Deal, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Qu Tian, Eleanor M. Simonsick, Susan M. Resnick, Natl Inst on Aging, Baltimore, MD; Alden L. Gross, Amal A. Wanigatunga, Jennifer A. Schrack, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD

P218
Moderate to Vigorous Physical Activity to Improve Cardiovascular and Mental Health in Sedentary Middle-Aged Adults
Elizabeth A Moxley, Northern Illinois Univ, Dekalb, IL; Desale Habtezgi, Kris Varothai, DePaul Univ, Chicago, IL; Shaine Henert, Rachel Kowal, Barrie Bode, Sara Budwhani, Northern Illinois Univ, Dekalb, IL

P219
Moderated-Mediated Effects of Environmental Barriers and Income Level on Exercise Determinants Among Black Americans With Hypertension
Donya Nemati, The Ohio State Univ, Columbus, OH; Adrian Noriega de la Colina, McGill Univ, Montreal, ON, Canada; Navin Kaushal, Indiana Univ-Indianapolis, Indianapolis, IN

P220
Does Targeting a Physical Activity Intervention Based on Physical Function and Physical Activity Levels Affect Physical Activity Outcomes? A Randomized Study Within the WHI Strong and Healthy (WHISH) Trial
Corey Rovzar, Stanford Univ, Palo Alto, CA; Lauren Wegner, Unviersity of Nebraska, Omaha, NE; Marcia L Stefanick, Stanford Univ, Palo Alto, CA

P221
Association of Posttraumatic Stress Disorder With Physical Activity Among Vietnam-Era Male Twin Veterans
Kara Suvada, Viola Vaccarino, Dayna A Johnson, Yi-An Ko, Emory Univ Rollins Sch of Public Health, Atlanta, GA; Nicholas Smith, Veterans Affairs Puget Sound Healthcare System, Puget Sound, WA; James Douglas Bremer, Emory Univ Emory Sch of Med, Atlanta, GA; Minxuan Huang, Stanford Sch of Med, Stanford, CA; George Haddad, Hashir Ahmed, Amit J Shah, Emory Univ Rollins Sch of Public Health, Atlanta, GA

P222
Prolonged Sitting Time Was Associated With Central Obesity-Related Parameters Among Hong Kong Chinese Women: A Cross-Sectional Study
Yan Zhang, Yao Jie Xie, Yunyang Deng, The Hong Kong Polytechnic Univ, Hong Kong, China

Long Term Impact of COVID19 Pandemic on Estimated Cardiorespiratory Fitness and Physical Activity Level in South American Adults: Results From the Lown Scholars PAFIT Network Online Survey
Victor ZUNIGA DOURADO, Goodarz Danaei, Rosana Poggio, Harvard Sch of Public Health, Boston, MA; On behalf of Lown Scholars PA&FIT Network

Rural Hospital Closures Are Associated With Increased Mortality From Ischemic Heart Disease: A County-Level Analysis
Meghamsh Kanuparthy, Warren Alpert Medical Sch at Brown Universtiy, Providence, RI; Srikur Kanuparthy, Univ of Pennsylvania, Philadelphia, PA; Dwight Harris, Beth Israel Deaconess Medical Ctr, Boston, MA; Mark Broadwin, Cardiovascular Res Ctr at Brown/Lifespan, Providence, RI; Christopher Stone, Warren Alpert Medical Sch at Brown Universtiy, Providence, RI; Frank W Sellke, Brown Medical Sch, Providence, RI

Heartfelt Savings: Health Savings Accounts Assist in Alleviating Financial Burdens and Prompt Timely Treatment for Patients With Cardiovascular Disease
Daniel Won, James Walker, Connor Workman, James W Guo, Elizabeth Zordani, Northwestern Feinberg Sch of Med, Chicago, IL; Anna Chorniy, Northwestern Univ, Chicago, IL; S. Christopher Malaisrie, Northwestern Memorial Hosp, Chicago, IL; Donald M Lloyd-Jones, Northwestern Univ, Chicago, IL

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

Association Between Depressive Symptoms and Insulin Resistance in Midlife Women: The Study of Women’s Health Across the Nation (SWAN)
Yuqing Chen, Alicia B Colvin, Maria M Brooks, Samar R El Khoudary, Rebecca C Thurston, Univ of Pittsburgh, Pittsburgh, PA
Baseline Characteristics of a Pilot Randomized Controlled Trial of a Self-Management Program for Depressed Black Women at Risk for Hypertension
Emma Church, Taylor Maniglia, Martha Sajatovic, Univ Hosp & Case Western Reserve Univ, Cleveland, OH; Farren Basil Shaw Briggs, Case Western Reserve Univ, Cleveland, OH; Erika Kelley, Danette Conklin, Mahboob Rahman, Carla Harwell, Univ Hosp & Case Western Reserve Univ, Cleveland, OH; Carla Conroy, Univ Hosp Cleveland Medical Ctr, Cleveland, OH; Jennifer B. Levin, Univ Hosp & Case Western Reserve Univ, Cleveland, OH

P229
Cross-Sectional Relationship Between Posttraumatic Stress Disorder and Atherosclerotic Disease Assessed by Coronary Calcium Score: A Counterfactual Model of Older Male Twins
Luis C Correia, Amit J Shah, Rollins Sch of Public Health, Emory Univ, Atlanta, GA; Valeria M Moncayo, Sch of Med, Emory Univ, Decatur, GA; Yi-An Ko, Rollins Sch of Public Health, Emory Univ, Atlanta, GA; Nicholas L Smith, Sch of Med, Emory Univ, Atlanta, GA; Jeffrey Osei, Louis Li, Rollins Sch of Public Health, Emory Univ, Atlanta, GA; Arshed A Quyyumi, J. Douglas Bremmer, Sch of Med, Emory Univ, Atlanta, GA; Viola Vaccarino, Rollins Sch of Public Health, Emory Univ, Atlanta, GA

P230
Association Between Gratitude and Lifestyle Related Diseases: The JAGES Cross-Sectional Study
Eri Eguchi, Fukushima Medical Univ, Fukushima, Japan; Kokoro Shirai, Osaka Univ, Osaka, Japan; Fumikazu Hayazhi, Yuhi Hamaguchi, Fukushima Medical Univ, Fukushima, Japan; Katsunori Kondo, Chiba Univ, Chiba, Japan; Tetsuya Ohira, Fukushima Medical Univ, Fukushima, Japan

P231
Are Resiliency and Religiosity/Spirituality Associated With Better Sleep Outcomes in Midlife Latinas?
Latesha K. Harris, Krista M. Perreira, Andrea Cazales, Christian Long, Univ of North Carolina -CH, Chapel Hill, NC; Yamnia I. Cortés, Univ of Iowa, Iowa City, IA

P232
Toxic Stress is Associated With Greater Odds of Cardiovascular Disease Among Younger but Not Older Women in the Go Red for Research Dataset
Saam Honarvar, Samaah Sullivan, Univ of Texas Health Science Ctr Houston, Dallas, TX

P233
Leveraging Community-Engaged Research Methods to Improve Recruitment and Retention of Midlife Black Women in Cardiovascular Research
Holly J Jones, The Ohio State Univ Coll of Nursing, Columbus, OH; Tamelyn Bakas, Univ of Cincinnati Coll of Nursing, Cincinnati, OH; Melinda Butsch Kovacic, Univ of Cincinnati Coll of Allied Health, Cincinnati, OH

P234
Prison Inmate Awareness of Heart Disease Status While Incarcerated in State and Federal Prisons, 2016
Shelbie Powers, Ben King, Univ of Houston, Tilman J Fertitta Family Coll of Med, Houston, TX

P235
Subjective Well-Being as Compared With Traditional Risk Factors in Relation to Incident Cardiovascular Diseases
Minghao Kou, Xiang Li, Tulane Univ, New Orleans, LA; Hao Ma, Tulane Univ, Metairie, LA; Xuan Wang, Yoriko Heianza, Tulane Univ, New Orleans, LA; JoAnn E Manson, Brigham and Women's Hosp, Boston, MA; Lu Qi, Tulane Univ, New Orleans, LA

P236
Association Between Perceived Discrimination and Arterial Stiffness in Non-Hispanic Black Adults
Patricia Pagan Lassalle, The Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Mario Sims, Univ of California, Riverside, Corona, CA; Zachary Y Kerr, The Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Bethany Barone Gibbs, West Virginia Univ, Morgantown, WV; Justin B Moore, Wake Forest Univ Sch of Med, Winston-Salem, NC; Matthew S Loop, Auburn Univ, Auburn, AL; Priya Palta, Anna Kucharska-Newton, Michelle L Meyer, The Univ of North Carolina at Chapel Hill, Chapel Hill, NC

P237
Relationships Among Perceived Stress, Hair Cortisol Concentration, Coping Strategies, and Blood Pressure in Young, Low-Income Adults
Lauren M. Pageau, Northwestern Univ, Chicago, IL; Jiying Ling, Barbara A. Given, Lorraine B. Robbins, Pallav Deka, Emma C Schlegel, Michigan State Univ, East Lansing, MI

P238
A Multinational Analysis of Perceptions of Non-Communicable Diseases
Jorge A Rios Duarte, Carlos O Mendivil, Ricardo A Pena-Silva, Univ de los Andes, Bogota, Colombia

P239
Association of Presence of Non-Specific Physical Complaints With Future Development of Cardiovascular Disease in Middle-Aged Japanese Workers: Finding From the Aichi Workers Cohort Study
Zean Song, Nagoya Univ, Nagoya, Japan; Yuanying Li, Nagoya Univ, Nagoya, Aichi-prefecture, Japan; Yoshihisa Nakano, Young-Jae Hong, Tahmina Akter, Mohammad Hassan Hamrah, Hanson Gabriel Numaah, Chisato Fukuda, Rina Tajima, Nagoya Univ, Nagoya, Japan; Jingyi Lin, Nagoya Univ, nagoya, Japan; Zhiling Shi, Mizuho Hibino, Baruck Tegegn Endale, Nagoya Univ, Nagoya, Japan; Yupeng He, Fujita Health Univ, Nagoya, Japan; Masaaki Matsunaga, Fujita Health Univ, Toyoake-si, Aichi-ken, Japan; Atsuhiko Ota, Fujita Health Univ, Toyoake, Aichi, Japan; Koji Tamakoshi, Nagoya Univ, Nagoya, Japan; Hiroshi Yatsuya, Nagoya Univ, Grad Sch of Med, Nagoya, Japan

P240
Association of Perceived Lifetime Discrimination With COVID-19 Infection, Hospitalization and Death: The Collaborative Cohort of Cohorts for COVID-19 Research (C4R) Study
Kellee White Whilby, Univ of Maryland Coll Park, College Park, MD; Yiqun Jin, Pallavi Balte, Columbia Univ, New York, NY; Debora Kamin Mukaz, Univ of Vermont, Colchester, VT; Karen Hinckley Stukovsky, Univ Washington CHSCC, Seattle, WA; Jana Hirsch, Drexel Univ, Philadelphia, PA; Norrina B Allen, Northwestern Univ, Chicago, IL; Wendy S Post, Johns Hopkins Univ, Baltimore, MD; Mario Sims, Univ of California, Riverside, Corona, CA; Elizabeth Oelsner, Columbia Univ, New York, NY
Stress-Induced Autonomic Dysfunction is Associated With Mental Stress-Induced Myocardial Ischemia in Patients With Coronary Artery Disease

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

P01.16 Stroke

P242

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

Louden Akin, Stephanie M Wilbrand, Timothy Hess, Univ of Wisconsin - Madison, Madison, WI; Amanda Riesenber, Oneida Comprehensive Health Div, Oneida, WI; Jenna Maybock, Univ of Wisconsin - Madison, Madison, WI; Connie Vandenberg, Carrie Blohowiak, Jay Kennard, Debra Danforth, Oneida Comprehensive Health Div, Oneida, WI; Robert J Dempsey, Univ of Wisconsin - Madison, Madison, WI; Carol Mitchell, Univ of Wisconsin Madison, Madison, WI

P243

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

Leidys Gutierrez-Martinez, Massachusetts General Hosp, Boston, MA; Pamela M. Rist, Julie E. Buring, Martin Vandenberg, Brigham and Women’s Hosp, Boston, MA; Christina Kourkoulis, Jonathan Rosand, Massachusetts General Hosp, Boston, MA; Christopher Anderson, Brigham and Women’s Hosp, Boston, MA; Nirupama Yechoor, Massachusetts General Hosp, Boston, MA

P245

Association Between Individual Socioeconomic Status and Discharge Dispositions to Home or Rehabilitation Following Incident Stroke Hospitalization: The Atherosclerosis Risk in Communities (ARIC) Study

Ning Li, Erin L Abner, Univ of Kentucky, Coll of Public Health, Lexington, KY; Silvia Koton, Johns Hopkins Univ, Sch of Public Health, Baltimore, MD; Lena Molly Mathews, Johns Hopkins Univ, Sch of Med, Baltimore, MD; Kunihiro Matsushita, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Anna Kucharska-Newton, The Univ of North Carolina at Chapel Hill, Chapel Hill, NC

P246

Geographical Mapping and Cluster Analysis of Ischemic Stroke in Kentucky

Solina Ngam, Hend Mansoor, Daniel Manion, Jayani Jayawardhana, Chris Delcher, Univ of Kentucky, Lexington, KY

P247
Rural-Urban Disparities in In-Hospital Stroke Mortality in North Carolina
Mahesh V Pinapaka, Univ of North Carolina-Chapel Hill, Chapel Hill, NC; Mehul D Patel, UNC - Chapel Hill, Chapel Hill, NC; Srihari V Chari, UNC Chapel Hill, Chapel Hill, NC; Wayne D Rosamond, Univ of North Carolina, Chapel Hill, NC

P248
Women With Migraine Had Higher Progression of 10-year Stroke Risk Than Those Without Migraine: Findings From a Nested Case-Control Study
Longben Tian, Yao Jie Xie, Yunyang Deng, The Hong Kong Polytechnic Univ, Hong Kong, China; Harry Haoxiang Wang, Sun Yat-Sen Univ, Guangzhou, China; Justina Liu, The Hong Kong Polytechnic Univ, Hong Kong, China

Moderated Posters

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

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

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

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

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

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

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

MPS02 Hypertension
Moderator:
Tim Plante, MD MHS

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

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

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

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

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


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

MPS03 Cardiometabolic Health and Obesity

Moderator:
Jean Welsh, PhD, MPH, RN

Association Between Visceral Adiposity Index and Non-Alcoholic Liver Fibrosis Among United States Adults With Prediabetes

Sarah Abdel-Meguid, Matthew Pelton, Aayush Visaria, Rutgers Robert Wood Johnson Medical Sch, New Brunswick, NJ

Gestational Diabetes Mellitus, Circulating metabolites, and Risk of Future Cardiovascular Disease in US Women

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

Developing and Validating VO2 Prediction From 6-Minute Walk Test (6MWT) and Association With Cardiovascular Health and Risk Scores: Coronary Artery Risk Development in Young Adults (CARDIA)

Bjoern Hornikel, Erin Dooley, Univ of Alabama at Birmingham, Birmingham, AL; Barrett Bowling, Duke Univ Sch of Med, Durham, NC; Baojiang Chen, UTHealth, Austin, TX; Pablo Martinez-Amezcua, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; David R Jacobs Jr., Univ of Minnesota, Minnetonka, MN; Mercedes R Carnethon, Northwestern Univ, Chicago, IL; Barbara Sternfeld, Kaiser Permanente Northern California Div of Res,
Kensington, CA; Cora E Lewis, Univ of Alabama at Birmingham, Birmingham, AL; Stephen Sidney, Kaiser Permanente Northern California Div of Res, Piedmont, CA; Priya Palta, UNC Chapel Hill, Chapel Hill, NC; Kelley Pettee Gabriel, Univ of Alabama at Birmingham, Birmingham, AL

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

MP17
Sustained Improvements in Liver Fat Reduction and Cardiometabolic Health at Nine Months After a 12 Week Digital Health Program in Individuals With Non-Alcoholic Fatty Liver Disease - A Feasibility Study
Sigridur Bjornsdottir, The Reykjavik Heart Ctr, Gardabaer, Iceland; Hildigunnur Ulfsdottir, Elias F Gudmundsson, Bartosz Dobies, Kolbrun Sveinsdottir, Sidekick Health, Kopavogur, Iceland; Ari Pall Isberg, Sidekick Health, Reykjavik, Iceland; Gudlaug Bjornsdottir, Univ of Iceland, Reykjavik, Iceland; Sigurdur Sigurdsson, Icelandic Heart Association, Kopavogur, Iceland; Saemundur Oddsson, Sidekick Health, 210, Iceland; Vilmundur Gudnason, Icelandic Heart Association, Kopavogur, Iceland

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

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

MP19
Patterns of Early-Onset and Late-Onset Dementia Incidence in the Dementia Risk Pooling Project
Katherine Giorgio, Univ of Minnesota-Twin Cities, Minneapolis, MN; John Stephen, Maxwell Mansolf, Northwestern Univ, Chicago, IL; Aîcha Soumare, Univ of Bordeaux, Bordeaux, France; Alden Gross, Johns Hopkins Univ, Baltimore, MD; Allison Aiello, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Archana Singh-Manoux, INSERM, Paris, France; Mohammad A Ikram, Erasmus MC, Rotterdam, Netherlands; Catherine Helmer, Christophe Tzourio, Univ of Bordeaux, Bordeaux, France; Claudia L Satizabal, UT Health San Antonio, San Antonio, TX; Deborah A Levine, Univ of Michigan, Ann Arbor, MI; Donald M Lloyd-Jones, Northwestern Univ, Chicago, IL; Emily M Briceno, Univ of Michigan, Ann Arbor, MI; Farzaneh A. Sorond, Northwestern Univ, Chicago, IL; Frank Wolters, Erasmus MC, Rotterdam, Netherlands; Jayandra Himali, Boston Univ, Boston, MA; Lenore J Launer, Natl Inst on Aging, Washington, DC; Lihui Zhao, Northwestern Univ, Chicago, IL; Oscar L Lopez, Presbyterian
MP20

Incident Dementia Attributable to Diabetes in Midlife and Late-Life: The Atherosclerosis Risk in Communities Study

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

MP21

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

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

MP22

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

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

MP23

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

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

MP24

Contemporary Trends in Incident Ischemic Stroke, Intracranial Hemorrhage, and Mortality in Individuals With Atrial Fibrillation
Jean Jacques Noubiap, Janet J Tang, Thomas Andrew Dewland, Gregory M Marcus, UCSF, San Francisco, CA

TUESDAY

P02.01 Aging in Older Adults

P249
Association Between Loneliness and Functionality in an Elderly Population
Karina Bertoldi, Cristina Pellegrino Baena, Rafaela Stradiotto Bernardelli, Leandro Zen Karam, Arielle Barreto Haagsma, Pontifical Catholic Univ of Paraná, Curitiba, Brazil; Javier Jerez Roig, Univ of Vic - Central Univ of Catalonia, Vic, Spain

P250
Vascular Contributions to Alzheimer's Disease
Soumilee Chaudhuri, Indiana Univ Sch of Med, Indianapolis, IN; Shiwei Liu, Ctr for Neuroimaging, Dept of Radiology, and Imaging Sciences, Indianapolis, IN; Yen-Ning Huang, Indiana Alzheimer Disease Ctr (IADRC), Indianapolis, IN; Tamina Park, Ctr for Neuroimaging, Dept of Radiology, and Imaging Sciences, Indianapolis, IN; Thea Rosewood, Dept of Medical and Molecular Genetics, IUSM, Indianapolis, Indianapolis, IN; Min Young Cho, Dept of Digital Health, Samsung Advanced Inst for Health Sciences & Technology (SAHST), Sungkyunkwan Univ, Samsung Medical Ctr, Seoul, Seoul, Korea, Republic of; Kwangsik Nho, Ctr for Neuroimaging, Dept of Radiology, and Imaging Sciences,, Indianapolis, IN; Andrew Saykin, Indiana Univ, Indianapolis, IN

P251
Circulating Immune Cell Phenotypes Are Associated With Inflammatory Biomarkers in the Framingham Heart Study Offspring Cohort
Jiachen Chen, Boston Univ SPH, Boston, MA; Margaret Doyle, Univ of Vermont, Burlington, VT; Ahmed Ragab, Yumeng Cao, Boston Univ SPH, Boston, MA; Joanne Murabito, Boston Univ Sch of Medicin, Framingham, MA; Kathryn Lunetta, Boston Univ SPH, Boston, MA

P252
Baseline Cognitive and Physical Function and Subsequent Occupational Status in Chinese Adults
Annie Green Howard, UNC, Chapel Hill, NC; Ellie Balakrishnan, North Carolina Dept of Health and Human Services, Chapel Hill, NC; Hsiao Tien, Shufa Du, UNC, Chapel Hill, NC; Bing Zhang, Huijun Wang, Natl Inst for Nutrition and Health, Chinese Ctr for Disease Control and Prevention, Beijing, China; John A Batsis, Hillary Spangler, Linda Adair, UNC, Chapel Hill, NC; Penny Gordon-Larsen, UNC-Chapel Hill, Chapel Hill, NC

P253
Lifetime Risk of Dementia by Midlife Vascular Risk Factor Burden: The Atherosclerosis Risk in Communities (ARIC) Study
Jiaqi Hu, Michael Fang, Johns Hopkins Univ, Baltimore, MD; Rebecca F Gottesman, NINDS, Bethesda, MD; Pamela L Lutsey, Univ of Minnesota, Minneapolis, MN; Thomas Mosley Jr., Univ MS Medical Ctr, Jackson, MS; Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD; Joe Coresh, Johns Hopkins SPH Welch Ctr, Baltimore, MD

P254
Association Between Protein Intake and Prevalence of Sarcopenia in Japanese Community-Dwelling Older Adults

Naoko Miyagawa, Sei Harada, Miho Iida, Takuma Shibuki, Minako Matsumoto, Aya Hirata, Kazuyo Kuwabara, Ryota Toki, Shun Edagawa, Tomonori Okamura, Toru Takebayashi, Keio Univ Sch of Med, Tokyo, Japan

P255

The Longitudinal Association Between Dietary Vitamin K Intake and Cognitive Function in the General Population (Tanushimaru Cohort Study)

Nagisa Morikawa, Kurume Univ Sch of Med, Kurume, Japan; Mika Enomoto, Japan Kurume Univ Sch of Med, Kurume, Japan; Ako Fukami, Kurume Univ, Kurume, Fukuoka, Japan; Yume Nohara, Hiromi Sato, Kurume Univ Sch of Med, Kurume, Japan; Harumi Yoshimura, Kurume Univ Sch of Med, Fukuoka, Japan; Hisashi Adachi, Kurume Univ, Kurume-shi, Japan; Yoshihiro Fukumoto, Kurume Univ Sch of Med, Kurume, Japan

P256

Rationale, Development, and Implementation of a Multidisciplinary Digital Lifestyle Health Education Program for Older Adults With Cardiovascular Disease and Osteoarthritis

Belinda J Parmenter, UNSW Sydney, Sydney, Australia

P257

Olfactory Impairment and Frailty in Older Adults the Atherosclerosis Risk in Communities (ARIC) Study

Hannah Pleasants, Univ of North Carolina, Chapel Hill, NC; Anna Kucharska-Newton, Univ North Carolina, Chapel Hill, NC; Honglei Chen, Yaqun Yuan, Keran Chamberlin, Michigan State Univ, East Lansing, MI; David Couper, Univ of North Carolina, Chapel Hill, NC; Srishti Shrestha, Univ of Mississippi, Jackson, MS; Vidya Kamath, Jennifer A. Deal, Johns Hopkins Univ, Baltimore, MD; Priya Palta, Columbia Univ, New York City, NY; Jay Pinto, Univ of Chicago, Chicago, IL

P258

Association of Depressive Symptoms With Exceptional Longevity: The Women’s Health Initiative

Carlos E Rosas, Univ of California San Diego, San Diego, CA; Steven Nguyen, UC San Diego HWSPH, La Jolla, CA; Aladdin H Shadyab, Univ of California San Diego, La Jolla, CA; Ariana M Stickel, San Diego State Univ, San Diego, CA; Shawnita Sealy-Jefferson, Michelle Naughton, Ohio State Univ, Columbus, OH; Lorena Garcia, Univ of California, Davis, Davis, CA; Gregory A Talavera, Linda C Gallo, San Diego State Univ, Chula Vista, CA; Andrea Z. LaCroix, Univ of California San Diego, San Diego, CA

P259

Favorable Ventricular-Arterial Mechanics Among Women is Associated With Better Mitochondrial Oxidation in the Left Ventricle

Jie Jun Wong, Natl Heart Ctr Singapore, Singapore; Hongzhou Zhang, First Affiliated Hosp of Gannan Medical Univ, Ganzhou, China; Fei Gao, Shuang Leng, Ru San Tan, Liang Zhong, Natl Heart Ctr Singapore, Singapore; Jean Paul Kovalik, Singapore General Hosp, Singapore; Angela S Koh, Natl Heart Ctr Singapore, Singapore

P260
Association of Hearing Impairment and Physical Functioning Among Chinese Adults Aged 60 Years or Older: Evidence From the China Health and Retirement Longitudinal Study (CHARLS)
Huiyuan Zhou, Duke Kunshan Univ, Kunshan, China; Zhengting He, Johns Hopkins Univ, Baltimore, MD; Xiong Ding, Duke Kunshan Univ, Kunshan, China; Jie Hao, Univ of Nebraska Medical Ctr, Omaha, NE; Xian Zhang, Lijing L Yan, Duke Kunshan Univ, Kunshan, China

P02.02 Cardiometabolic Health and Disorders 1

P261
Association Between Cardiovascular Health Measured by Life's Essential 8 and Depressive Symptoms: Results From the 2014, 2016, and 2018 Korea National Health and Nutrition Examination Survey (KNHANES)
Jeong Hyun Ahn, YU JIN LEE, Sun Jae Jung, Yonsei Univ, Seoul, Korea, Republic of

P263
Cardiometabolic Multimorbidity Among Rural Low-Wage Workers Participating in a Worksite-Based Health Assessment
Ashley Burch, Elisabeth Lee, Paul Shackelford, East Carolina Univ, Greenville, NC; Paul Bolin, ECU Sch of Med, Greenville, NC

P264
HDL-C Variability and Peripheral Artery Disease
Pao Hsien Hsien Chu, Chang Gung Memorial Hosp, Taipei, Taiwan; Ying-Chang Tung, Linkou Chang Gung Memorial Hosp, Taoyuan, Taiwan

P265
Housing Instability and Cardiometabolic Health in the Rural South: Findings From Alabama Subcohort of the Rural Study
Nicole D Fields, Emory Univ, Atlanta, GA; Mahasin S Mujahid, Univ of California Berkeley, Berkeley, CA; Jesse Hsu, Alex C Watts, Univ of Pennsylvania, Philadelphia, PA; Peter Durda, Margaret E King, Univ of Vermont, Burlington, VT; Stephanie Broyles, Pennington Bio Rrch Ctr, Baton Rouge, LA; Ramachandran Vasan, Univ of Texas San Antonio, San Antonio, TX; Suzanne E Judd, UAB, Birmingham, AL; Viola Vaccarino, Emory Univesity, Atlanta, GA; Tene T Lewis, Emory Univ, Atlanta, GA

P266
Burden and Trends of Cardiovascular Disease and Its Attributable Risk Factor in Pakistan From 1990-2019: A Benchmarking Analysis
Khawaja Mushammar Hassan, Ameer-ud-Din Medical Coll, Lahore, Pakistan; Khawaja Momal Hassan, Lahore Medical and Dental Coll, Lahore, Pakistan; Khawaja Muthammir Hassan, King Edward Medical Univ, Lahore, Pakistan; Fiza Farrukh, Medical Univ of Silesia, Katowice, Poland; Ameer Farrukh, Univ of Galway, Galway, Ireland; Mohsin Nazir, Ameer-ud-Din Medical Coll, Lahore, Pakistan; Muhammad umer, Ameer-ud-Din Medical Coll, Lahore, Pakistan; Aamna Ijaz, Rahbar Medical & Dental Coll, Lahore, Pakistan; Vinay Kumar Gadamidi, Virtua Health, Cherry Hill, NJ; Anjani Kumar Thota, Sinai Hosp of Baltimore, Baltimore, MD; Khush Dadhania, Hackensack Meridian Mountainside Medical Ctr, Pleasanton, CA; Nmair Alziadin, Portsmouth Regional Hosp, Dover, NH; Hardik Dineshbhai DESAI, Gujarat Adani Inst of Medical, Ahmedabad, India
Associations of Urinary Zinc With Incident Peripheral Arterial Disease and Amputation in the Strong Heart Study
Claire Howlett, Filippo Ravalli, Kishan Bhatt, Irene Martinez-Morata, Columbia Univ, New York, NY; Richard Fabsitz, Missouri Breaks Industries Res Inc., Eagle Butte, SD; Maria Tellez-Plaza, Carlos III Health Insts, Madrid, Spain; Jason G Umans, MedStar Health Res Inst, Hyattsville, MD; Walter Goessler, Karl-Franzens Univ Graz, Graz, Austria; Maria Grau-Perez, Carlos III Health Insts, Madrid, Spain; Richard B Devereux II, Weill Cornell Med, New York, NY; Ana Navas-Acien, Columbia Univ, New York, NY

P268
Predictive Abilities of Anthropometric Indicators for Cardiometabolic Risk Factors and Diseases: The UK Whitehall II Study

P269
Glycemic Dysregulation Detected by Continuous Glucose Monitoring in Children With Metabolic Dysfunction-Associated Steatotic Liver Disease
Helaina Huneault, Ana Ramirez Tovar, Cristian Sanchez-Torres, Claudia Yaranga, Karla DeSantos, Zhulin He, Liliana Aguayo, Jean A Welsh, Miriam B Vos, Emory Univ, Atlanta, GA

P270
Higher Long-Term Fasting Glucose Variability From Childhood is Associated With Poorer Cognitive Function in Midlife: The Bogalusa Heart Study
Soo Jung Kang, Ileana De Anda-Duran, Tulane Univ, New Orleans, LA; Camilo Fernandez Alonso, Tulane Univ Health Sciences Ctr, New Orleans, LA; XUANYI JIN, Tulane Univ, New Orleans, LA; Owen Carmichael, Pennington Biomedical Res Ctr, Baton Rouge, LA; Lydia A Bazzano, Tulane Univ, New Orleans, LA

P271
Greater Long-Term Non-High Density Lipoprotein Cholesterol Variability From Childhood is Associated With Poorer Midlife Cognitive Function: The Bogalusa Heart Study
Soo Jung Kang, Ileana De Anda-Duran, Tulane Univ, New Orleans, LA; Camilo Fernandez Alonso, Tulane Univ Health Sciences Ctr, New Orleans, LA; XUANYI JIN, Tulane Univ, New Orleans, LA; Owen Carmichael, Pennington Biomedical Res Ctr, Baton Rouge, LA; Lydia A Bazzano, Tulane Univ, New Orleans, LA

P272
Association of Depression and Handgrip Strength With Morbidity and Mortality in Patients With Heart Failure: A Secondary Analysis From a Randomized Controlled Trial
Matthew E Lapa, Scott D Rothenberger, Kwonho Jeong, Matthew F Muldoon, Bea Belnap, Bruce L Rollman, Univ of Pittsburgh Sch of Med, Pittsburgh, PA

P519
Sleep as a Cardiometabolic Risk Factor Following Release From Carceral Facilities
Johanna Elumn, SEICHE Ctr for Health and Justice, Yale Sch of Med, New Haven, CT; Inessa Cohen, Dept of Emergency Med, Yale Sch of Med, New Haven, CT; Jenerius Aminawung, Yale Univ, New Haven, CT; Lisa Puglisi, SEICHE Ctr for Health and Justice,
P02.03 Cardiometabolic Risk Prediction

P273
Sex-Stratified Machine Learning Analysis of Proteomics, Phenotypic, and Genomic Influences on Visceral Adipose Tissue Volume in the UK Biobank
Zahra Azizi, Trisha Gupte, Stanford Univ, Palo Alto, CA; Pik Fang Kho, Stanford Univ, Sunnyvale, CA; Kevin Nzenkue, Stanford Univ, Madison, TN; Jiayan Zhou, Stanford Univ, Palo Alto, CA; Rodrigo Guarischi-Sousa, Stanford Univ, Stanford, CA; Daniel Panyard, Stanford Univ, Palo Alto, CA; Ming-Li Chen, Stanford Univ, Cupertino, CA; Fahim Abbasi, Stanford Univ, Stanford, CA; Shoa L CLARKE, Stanford Univ, Palo Alto, CA; Philip S Tsao, Stanford Univ-VAPAHCS, Los Altos, CA; Themistocles L Assimes, Stanford Univ. Sch of Med, Palo Alto, CA

P274
Beyond MVPA: Machine Learning Insights Into Activity Patterns and Cardiometabolic Health in the National Health and Nutrition Examination Survey (NHANES) 2003-2004
Shivangi Bajpai, Univ of Massachusetts Amherst, Amherst, MA; Muge Capan, Univ of Massachussetts Amherst, Amherst, MA; Amanda E Paluch, Univ of Massachusetts Amherst, Amherst, MA

P275
Long-Term Mortality Prediction Model for HIV Patients With Heart Failure: Analysis From a Multi-Center Cohort Database in New York City Health + Hospitals
Yi-Yun Chen, Jacobi Medical Ctr/Albert Einstein Coll of Med, Bronx, NY; Natalia Nazarenko, Jacobi Medical Ctr, Bronx, NY; Matthew Parker, Jacobi Medical Ctr/Albert Einstein Coll of Med, Bronx, NY; Robert Faillace, Jacobi Medical Ctr, Bronx, NY; Leonidas Palaiodimos, Albert Einstein Coll of Med, Bronx, NY

P276
De Novo Exposomic Geospatial Assembly of the Stroke Belt With Machine Learning and Network Analysis
Andrew Deonarine, Boston Public Health Commission, Boston, MA; Ayushi Batwara, Univ of Berkeley, Berkeley, CA; Roy Wada, Shoba Nair, Puneet Sharma, Boston Public Health Commission, Boston, MA; Joseph Loscalzo, Harvard Medical Sch, Boston, MA; Bisola Ojikutu, Kathryn Hall, Boston Public Health Commission, Boston, MA

P277
Adherence to Time-Restricted Eating, Plasma Metabolomic Signatures, and Risk of Coronary Heart Disease
Yoriko Heianza, Tulane Univ, New Orleans, LA; Qi Sun, Harvard Sch of Public Health, Boston, MA; Emily M Drotz, Oona J DiMatteo, Tulane Univ, New Orleans, LA; Kathryn M Rexrode, Brigham and Womens Hosp, Boston, MA; Mona Alotaibi, Univ of California San
P278
1-year Outcomes of A1c Reduction, Weight Loss, and Lowered QRISK3 Scores in Type 2 Diabetes Remission: Insights From an RCCT Leveraging Whole-Body Digital Twin Technology
Shashank Joshi, Lilavati Hopsital, Joshi Clinic, Mumbai, India; Mala Dharmalingam, MS Ramaiah Medical Coll, Bangalore, India; Arun Vadavi, Sudha Prevention Ctr, Bangalore, India; Mohamed Thajudeen, Twin Health, Tirunelveli, India; Ashok Keshavamurthy, Suchitra Bhonsley, Twin Health, Bangalore, India; Paramesh Shamanna, Bangalore Diabetes Ctr, Bangalore, India

P279
Proteomic Profiling Identifies Mortality-Associated Markers in Coronary Artery Disease
Chang Liu, Qin Hui, Arshed A Quyyumi, Emory Univ, Atlanta, GA; Viola Vaccarino, Emory Univesity, Atlanta, GA; Yan Sun, Emory Univ, Atlanta, GA

P280
Understanding the Association Between Resilience Factors and Lifestyle-Based CVD Prevention Among Young Adults in Puerto Rico
Andrea Lopez-Cepero, Emory Univ, Atlanta, GA; Milagros C Rosal, UMass Chan Medical Sch, Worcester, MA; Cynthia Perez, Univ of Puerto Rico, San Juan, Puerto Rico

P281
Pre-Stroke Use of Dipeptidyl Peptidase-4 Inhibitors in Elderly Patients May Reduce Neurological Severity at the Onset of Stroke: A Retrospective Cohort Study
Takahisa Mori, Tetsundo Yano, Kazuhiro Yoshioka, Yuichi Miyazaki, Shonan Kamakura General Hosp, Kamakura, Japan

P282
Pooled Cohort Equation Performance at Quantile Thresholds of African and European Ancestry Among Hispanic/Latino: Findings From Multi-Ethnic Study of Atherosclerosis (MESA)
Bede N Nriagu, New York Medical Coll, New York, NY; Karen Flores Rosario, Duke Univ Hosp, Durham, NC; Spencer Hansen, Univ of Washington, Seattle, WA; Priscilla Duran Luciano, Albert Einstein Coll of Med, Bronx, NY; Robyn McClelland, Univ of Washington, Seattle, WA; Parag H Joshi, UT Southwestern Medical Ctr, Dallas, TX; Anurag Mehta, Virginia Commonwealth Univ, Glen Allen, VA; Amit V Khera, Massachusetts General Hosp, Boston, MA; Robert Kaplan, Albert Einstein Coll of Med, Bronx, NY; Tamar Sofer, Beth Israel Deaconess Medical Ctr, Boston, MA; Carmen A Peralta, Cricket Health, UCSF, and SFVA, San Francisco, CA; Carlos Jose Rodriguez, Albert Einstein Sch of Med, Bronx, NY

P283
Hispanic/Latino Ethnic Background and Genetic Ancestry in Relation to Atherosclerotic Cardiovascular Disease Risk Estimation: Insights From the Multi-Ethnic Study of Atherosclerosis (MESA)
Bede N Nriagu, New York Medical Coll/Metropolitan Hosp, New York, NY; Karen Flores Rosario, Duke Univ Hosp, Durham, NC; Spencer Hansen, Univ of Washington, Seattle, WA; Priscilla Duran Luciano, Albert Einstein Coll of Med, Bronx, NY; Parag H Joshi, UT Southwestern Medical Ctr, Dallas, TX; Anurag Mehta, Virginia Commonwealth Univ, Glen Allen, VA; Amit V Khera, Massachusetts General Hosp, Boston, MA; Robert Kaplan, Albert Einstein Coll of Med, Bronx, NY; Tamar Sofer, Beth Israel Deaconess Medical Ctr, Boston, MA; Carmen A Peralta, Cricket Health, UCSF, and SFVA, San Francisco, CA; Carlos Jose Rodriguez, Albert Einstein Sch of Med, Bronx, NY
Einstein Coll of Med, Bronx, NY; Tamar Sofer, BWH, Harvard Univ, Boston, MA; Carmen A Peralta, Cricket Health, UCSF, and SFVA, San Francisco, CA; Robyn McClelland, Univ of Washington, Seattle, WA; Carlos Jose Rodriguez, Albert Einstein Sch of Med, Bronx, NY

P284
Effects of a Laughter Program on Cardiovascular Risk Factors in Community-Dwelling Older Adults
Tetsuya Ohira, Narumi Funakubo, Fukushima Medical Univ, Fukushima, Japan; ERI Eguchi, Univ of Minnesota, Minneapolis, MN; Kokoro Shirai, Dept of Social Med, Osaka Univ Graduate Sch of Med, Suita, Japan

P285
Relationship Between Body Mass Index, Waist Measurement, Six-Minute Walk Performance and Whole-Body Strength in Adults With Cardiovascular Disease: Findings From the Lifestyle Heart Health Study
Belinda J Parmenter, Kelly McLeod, Xiaoqi Feng, UNSW Sydney, Sydney, Australia

P286
The Impact of Obesity Severity on Left Ventricular Mass Index in Adults With Congenital Heart Disease
Stephen C Ream, The Ohio State Univ/Nationwide Children's Hosp, Columbus, OH; Andrew H Tran, May Ling Mah, Marc Lee, Nationwide Children's Hosp, Columbus, OH; Curt Daniels, The Ohio State Univ, Columbus, OH; Kan N Hor, Nationwide Children's Hosp, Columbus, OH

P287
Incorporating Behavioral and Social Determinants of Health Variables Into a Machine Learning Model Predicting Cardiometabolic Disease

P288
Sex Differences in Krebs Cycle Metabolites May Explain Differential Predisposition to Cardiovascular Disease
Christopher Stone, Brown Univ, Providence, RI; Dwight Harris II II, Brown Univ, Boston, MA; Madigan Stanley, Debolina Banerjee, Mark Broadwin, Krishna Bellam, Yonatan Najman-Licht, Frank W Sellke, Brown Univ, Providence, RI; Anny Usheva, Brown Univ, Bryn Mawr, PA

P289
In Africans With Abnormal Glucose Tolerance the Triglyceride-Glucose Index is a Feasible, Effective Way to Distinguish Between Beta-Cell Failure and Insulin Resistance
Charlita Worthy, Natl Insts of Health, Bethesda, MD; Pramodkumar Aravindakshan, Emory Univ, Atlanta, GA; Mariam Sayed, Eliza Huefner, Jamaica Hurston, Natl Insts of Health, Bethesda, MD; Christopher W DuBose, Natl Inst of Health, Bethesda, MD; Ram Jagannathan, Emory Univ, Atlanta, GA; Anne E Sumner, Natl Insts of Health, Bethesda, MD

P02.04 Dissemination/Implementation

P290
Telephone Lifestyle Coaching - Sex Differences in Referrals and Enrollment During National Implementation
Melissa Farmer, Veterans Health Admin, North Hills, CA; Kimberly Claire, VA Greater Los Angeles Health Sys, Los Angeles, CA; Catherine Chanfreau, Dept of Veterans Affairs, Salt Lake City, UT; Sophia Hurley, Eric Pear, Michael Goldstein, Jane Kim, Susan Raffa, VHA Natl Ctr for Health Promotion and Disease Prevention, Durham, NC; Alison Hamilton, UCLA Dept of Psychiatry, Los Angeles, CA; Bevannne Bean-Mayberry, VA Greater Los Angeles Health Sys, North Hills, CA

P291
Understanding Participant Perspectives Towards the Formation of a National Participant Advisory Board Within the Reasons for Geographic and Racial Differences in Stroke (REGARDS) Study: A Qualitative Study
Demetria M Hubbard, Marquita S. Brooks, Suzanne E Judd, Univ of Alabama at Birmingham, Birmingham, AL; Monika M Safford, Weill Cornell Med, New York, NY; Emily B Levitan, Virginia J Howard, Univ of Alabama at Birmingham, Birmingham, AL; Elizabeth Baquero, Weill Cornell Med, New York, NY; Tomi Akinyemiju, Duke Univ, Durham, NC; Lonnie Hannon III, Univ of Alabama at Birmingham, Birmingham, AL; Madeline R Sterling, Weill Cornell Med, New York, NY

P292
Lessons Learned From the Implementation of a Peer-to-Peer Cardiology Consultation Program in Federally Qualified Health Centers
Emily Tolbert, Cassie Walker, American Heart Association, Dallas, TX

P02.05 Environmental Exposures

P294
Age-Sex Differences in the Global Burden of Deaths and Disability Due to Cardiovascular Disease Attributable to Environmental Risk Factors and Its Trend From 1990-2019 in G20 Countries: A Benchmarking Analysis
Hardik Dineshbhai DINESHBHAI Desai, Gujarat Adani Inst of Medical Sciences, Affiliated to K.S.K.V Univ, Bhuj, India; Khush Dadhania, Hackensack Meridian Mountainside Medical Ctr, Pleasanton, CA; Anjani Kumar Thota, Sinai Hosp of Baltimore, Baltimore, MD; Vinay Kumar Gadamidi, Virtua Health, Cherry Hill, NJ; Priyatha VEMPARALA, All India Inst of Medical Sciences, Telangana, India; Anusha Parisapogu, Mayo Clinic, Rochester, MN; Nmair Alziadin, Portsmouth Regional Hosp, Dover, NH; Juhi PATEL, G.M.E.R.S Medical Coll Valsad, Valsad, India; Krupa MADHU, GMERS Medical Coll, Gandhinagar, India

P295
Climate-related Heat Exposure And Cardiovascular Health: A Global Scoping Review
Peter M Graffy, Ashwin Sunderraj, Maxime A Visa, Corinne Miller, Benjamin Barrett, Northwestern Univ, Chicago, IL; Sheetal Rao, Univ of Illinois Chicago, Clarendon Hills, IL; Sara F Camilleri, Ryan D Harp, Chuxuan Li, Anne Brenneman, Abel Kho, Daniel E Horton, Northwestern Univ, Chicago, IL; Norrissa B Allen, NORTHWESTERN UNIVERSITY, Chicago, IL

P296
The Association Between Maternal Occupation and Adverse Birth Outcomes Among Infants With Congenital Heart Defects
Jenil Patel, UTHealth Houston Sch of Public Health, Dallas, TX; Omobola Oluwafemi, A J Agopian, Renata Benjamin, UTHealth Houston Sch of Public Health, Houston, TX; Charles Shumate, Texas Dept of State Health Services, Austin, TX; David Gimeno, UT Health Science Ctr San Antonio, San Antonio, TX

P297
Associations Between Short-Term Outdoor Heat Measures and Markers of Immune Response and Inflammation
Daniel W. Riggs, Sonia Cobbold, Clara G. Sears, Marina Malovichko, Israel Sithu, Brian E. Sansbury, Rachel J Keith, Sanjay Srivastava, Aruni Bhatnagar, Univ of Louisville, Louisville, KY

P298
Cross-Sectional and Longitudinal Associations Between Fast Food Outlet Access and Inflammatory Markers in the US-Based Nurses’ Health Study II

P299
Alteration of Cardiac Autonomic Function Through Inhalation of Biogenic Volatile Organic Compounds
Cameron K Stopforth, Jacqueline Gallagher, Aruni Bhatnagar, Rachel J Keith, Univ of Louisville, Louisville, KY

P02.06 Health Services Research, Outcomes and Practice Improvement

P300
Evaluation of Organizational Behavior in a Rural Cardiology Clinic
Ghaith Al Tibi, Rakin Islam, Taskin Forkan, Saad Ahmed, Albert Einstein Coll of Med, Bronx, NY; Samuel Miller, Rush Medical Coll, Chicago, IL; Nicolas Chronos, Lake Country Medical Group, Eatonton, GA

P301
Nativity Explains Disparities in Provider Experience Scores Among Asian and Pacific Islander Patients With and Without Cardiovascular Disease
Lily Amaturo, Stanford Univ Sch of Med, Stanford, CA; Adrian M Bacon, Stanford Univ Sch of Med, Mountain View, CA; Sophia Gibbs, Univ of Minnesota Sch of Med, Minneapolis, MN; Ana G Rosales, Kaiser Permanente Ctr for Health Res, Portland, OR; Timothy B Frankland, Kaiser Permanente Ctr for Integrated Health Care Res, Honolulu, HI; Jiang Li, Sutter Health, Palo Alto, CA; Yihe Daida, Kaiser Permanente Ctr for Integrated Health Care Res, Honolulu, HI; Stephen P Fortmann, Kaiser Permanente, Portland, OR; Latha Palaniappan, Stanford Univ, Stanford, CA

P302
The Mississippi Rural Community Listening Project
Christina D. Ferrell, Univ of Mississippi Medical Ctr, Jackson, MS; Akachi Awuruonye, Eastern Virginia Medical Sch, Norfolk, VA; Kisa K Harris, Tougaloo Coll, Jackson, MS, Jackson, MS; Sandra Carr-Melvin, Global Health Solutions, LLC, Madison, MS; Felicia V. Caples, Dantwan S. Smith, Univ of Mississippi Medical Ctr, Jackson, MS; Vasan S
P303
Investigating the Relationship Between Cardiovascular Diseases and Major Depressive Disorder Among Asians and Pacific Islanders
Sophia Gibbs, Univ of Minnesota Sch of Med, Minneapolis, MN; Adrian Bacong, Stanford Univ Sch of Med, Stanford, CA; Lily Amaturo, Stanford Univ Ctr for Asian Health Res and Education, Stanford, CA; Timothy Frankland, Kaiser Permanente Ctr for Integrated Health Care Res, Honolulu, HI; Ana Rosales, Kaiser Permanente Ctr for Health Res, Portland, OR; Jiang Li, Sutter Health, Palo Alto, CA; Yihe Daida, Kaiser Permanente Ctr for Integrated Health Care Res, Honolulu, HI; Stephen P Fortmann, Kaiser Permanente, Portland, OR; Latha Palaniappan, Stanford Univ, Stanford, CA

P304
Sex Differences for the Progression of Cardiovascular Multimorbidity in Older Adults in the United States

P305
Room for Improved Secondary Prevention of Major Cardiovascular Events Among the Population With New Onset Diabetes: A Longitudinal Latent Class Trajectory Analysis
Sarah Oconnor, IUCPQ-UL, Quebec, QC, Canada; Claudia Blais, Jérémie Sylvain-Morneau, Inst Natl de Santé Publique du Québec, Quebec, QC, Canada; Awa Diop, Miceline Mésidor, CHU de Québec Res Ctr, Quebec, QC, Canada; Jacinthe Leclerc, Paul Poirier, IUCPQ-UL, Quebec, QC, Canada

P307
Differences in Cardiovascular Disease Burden, Screening, Education, and Care by Clinic Type in the 2022 Health Center Patient Survey (HRSA)
Ben King, Univ of Houston, Tilman J Fertitta Family Coll of Med, Houston, TX; Sarina Attri, Univ of Texas at Austin, Lewisville, TX; David Buck, Univ of Houston, Tilman J Fertitta Family Coll of Med, Houston, TX

P02.07 Hypertension

P309
Health-Harming Legal Needs Are Associated With Blood Pressure, Quality of Life, and Utilization
Ben King, Univ of Houston, Humana Integrated Health Systems Sciences Inst, Houston, TX; Stephanie Sanchez, Daniel Medford, Winston Liaw, Luan Tran, Marina Arocha, Univ of Houston, Tilman J Fertitta Family Coll of Med, Houston, TX; Omolola E Adepoju, LeChauny Woodard, Univ of Houston, Humana Integrated Health Systems Sciences Inst, Houston, TX; Bruno Moscoco, Ishita Sharma, Univ of Houston, Tilman J Fertitta Family Coll of Med, Houston, TX

P310
Preference for Home Blood Pressure Monitoring versus Ambulatory Blood Pressure Monitoring for Measuring Sleep Blood Pressure: The BetterBP Study
Chibuike J Alanaeme, Ying Wen, Ligong Chen, Lama Ghazi, Kellen Lenz, Univ of Alabama at Birmingham, Birmingham, AL; Chloe Fang, Columbia Univ, New York, NY; Bharat Poudel, Univ of Alabama at Birmingham, Birmingham, AL; Maria Cepeda, Michael Lam, Columbia Univ, New York, NY; Shakia T Hardy, Univ of Alabama at Birmingham, Birmingham, AL; Joseph E Schwartz, Columbia Univ, New York, NY; Emily B Levitan, Univ of Alabama at Birmingham, Birmingham, AL; Paul Muntner, Ctrs for Disease Control and Prevention, Atlanta, GA; Daichi Shimbo, Columbia Univ, New York, NY

P311
Metabolomic Associations With Blood Pressure and Hypertension in Multi-Ethnic Populations
Taryn Alkis, Univ of Texas Health Science Ctr at Houston, Houston, TX; Traci Bartz, Univ of Washington, Seattle, WA; Carolina Borges, Univ of Bristol, Bristol, United Kingdom; Tariq Faquih, Dept of Clinical Epidemiology, Leiden Univ Medical Ctr, Leiden, Netherlands; Yan Gao, Dept of Physiology and Biophysics, Univ of Mississippi Medical Ctr, Jackson, MS; Jie Hu, Harvard Univ, Boston, MA; Jee-Young Moon, Albert Einstein Coll of Med, Bronx, NY; Jian Rong, Boston Univ, Westford, MA; Peter Rossing, Steno Diabetes Ctr Copenhagen, Gentofte, Denmark; Jie YAO, The Lundquist Inst for Biomedical Innovation at Harbor-UCLA Medical Ctr, Monterey Park, CA; Tarunveer S Ahluwalia, Steno Diabetes Ctr Copenhagen, Gentofte, Denmark; Nicholette D Allred, Wake Forest Sch of Med, Winston-Salem, NC; Donna K Arnett, Univ of South Carolina, Columbia, SC; Raji Balasubramanian, Univ of Massachusetts Amherst, Amherst, MA; Eric Boerwinkle, UTHealth, Houston, TX; Russell Paul Bowler, Natl Jewish Health, Denver, CO; Jennifer Brody, UW, Seattle, WA; Clary Clish, Broad Inst of MIT and Harvard, Cambridge, MA; Robert E Gerszten, Beth Israel Deaconess Medical Ctr, Boston, MA; Neil Goulding, Univ of Bristol, Bristol, United Kingdom; Claire Guo, Natl Jewish Health, Denver, CO; Xiuqing Guo, The Lundquist Inst at Harbor-U, Torrance, CA; Scott Hutton, Metabolon, Inc., Morrisville, NC; Robert Kaplan, Albert Einstein Coll of Med, Bronx, NY; Tanika N Kelly, Univ of Illinois Chicago, Chicago, IL; Martin Larson, Boston Univ, Boston, MA; Debbie Lawlor, Univ of Bristol, Bristol, United Kingdom; Rozenn N Lemaitre, Univ of Washington, Seattle, WA; Daniel Levy, NHLBI-Framingham Heart Study, Newton Highlands, MA; Dennis O Moock-Kanamori, Leiden Univ Medical Ctr, Leiden, Netherlands; Kari E North, UNC Chapel Hill, Chapel Hill, NC; Bruce M Psaty, Univ of Washington, Seattle, WA; Laura M Raffield, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Ramachandran Vasan, Boston Univ, Boston, MA; Kathryn M Rexrode, Brigham and Womens Hosp, Boston, MA; Stephen S Rich, Univ Virginia, Charlottesville, VA; Jerome I Rotter, The Lundquist Inst, Torrance, CA; Jeannette M Simino, Univ of MS Medical Ctr, Brandon, MS; Kent D Taylor, The Lundquist Inst, Torrance, CA; Paul De Vries, UT Health Science Ctr, Houston, TX; Dylan Williams, Univ Coll London, London, United Kingdom; Kari E. Wong, Metabolon, Inc., Morrisville, NC; Alanna C Morrison, Univ of TX Hlth Sci Ctr Houston, Houston, TX; Bing Yu, Univ of TX Health Sci Ctr Houston, Houston, TX

P312
Food Alert Index (FAI): A Screening Tool for Dietary Assessment in Clinical Practice
Pamela Castro Pereira, Dante Pazzanese Inst of Cardiology, São Paulo, Brazil; Francinny Alves Kelly, Dante Pazzanese Inst of Cardiology, Sao paulo, Brazil; Antonio Laurinavicius, Dante Pazzanese Inst of Cardiology, Sao Paulo, Brazil; Mariana Marciano Consolimo Colombo, Dante Pazzanese Inst of Cardiology, Sao Paulo, Brazil; Eduardo Sassaki, Dante Pazzanese Inst of Cardiology, Sao Paulo, Brazil; Henrique Delziovo, Wallace Barbosa, Dante Pazzanese Inst of Cardiology, Sao Paulo, Brazil; Willian dos Reis Alves, Jonathan Souza, Fernanda Marciano Consolimo Colombo, Dante Pazzanese Inst of Cardiology,
P313
**Cumulative Birth History and Incident Hypertension 2-7 Years After a First Birth**
*Janet M Catov*, Univ of Pittsburgh, Pittsburgh, PA; *Rebecca McNeil*, RTI Intl, Durham, NC; *Laure E. Wiener*, RTI Intl, Research Triangle Park, NC; *Linn Marie Sorbye*, Lund Univ, Lund, Sweden; *Noel Bairey Merz*, Cedars-Sinai, Los Angeles, CA; *Judith Chung*, UCI Health, Orange, CA; *Phillip Greenland*, Northwestern Univ, Chicago, IL; *David Haas*, Indiana Univ Sch of Med, Indianapolis, IN; *Matthew Hoffman*, Christian Care, Wilmington, DE; *Lisa Levine*, Univ of Pennsylvania, Philadelphia, PA; *Brian Mercer*, Case Western Reserve Univ Sch of Med, Cleveland, OH; *Victoria L Pemberton*, NHLBI, Bethesda, MD; *Uma Reddy*, Columbia Univ, New York, NY; *George Saade*, Univ of Texas, Galveston, TX; *Robert Silver*, Univ of Utah, Salt Lake City, UT; *Jasmina Varagic*, NHLBI, Bethesda, MD; *Lynn Yee*, Northwestern, Chicago, IL; *William Grobman*, Ohio State Univ, Columbus, OH

P314
**Blood Pressure Control Across the State of Alabama**
*Stephen Clarkson*, UAB, Birmingham, AL; *Andrea Cherrington*, Elizabeth A Jackson, Larry Heard, Univ of Alabama at Birmingham, Birmingham, AL; *Trudi Horton*, UAB, Birmingham, AL; *Demetria M Hubbard*, Univ of Alabama at Birmingham, Birmingham, AL; *Kimberly Smith*, Joshua Richman, UAB, Birmingham, AL

P315
**Consumption of Potatoes and Risk of Hypertension: A Pooled Analysis of US Cohorts**
*Luc Djousse*, BWH and Harvard Med Sch, Boston, MA; *Howard D Sesso*, Brigham Womens Hosp, Boston, MA; *Xia Zhou*, Univ of Minnesota, Minneapolis, MN; *Eunjung Kim*, Brigham and Women's Hosp, Boston, MA; *I-min M Lee*, Harvard Medical Sch, Boston, MA; *Lyn Steffen*, Univ of Minnesota, Minneapolis, MN; *Julie Buring*, JoAnn E Manson, John M Gaziano, Brigham and Women's Hosp, Boston, MA

P316
**Orthostatic Hypertension, Standing Hypertension, and Risk of Cardiovascular Disease**
*Sean W Dooley*, Hannah Col, Ruth Turkson, Beth Israel Deaconess Medical Ctr, Brookline, MA; *Long Huu Ngo*, Harvard Medical Sch, Boston, MA; *Jennifer Cluett*, BIDMC-Harvard Medical Sch, Boston, MA; *Lewis Lipsitz*, Hebrew Rehab Ctr, Brookline, MA; *Natalie R Malek*, Johns Hopkins, Baltimore, MD; *Elizabeth Selvin*, Johns Hopkins Univ, Baltimore, MD; *Joseph Coresh*, Johns Hopkins, Baltimore, MD; *Pamela L Lutsey*, Univ of Minnesota, Minneapolis, MN; *B Gwen Windham*, UMMC, The MIND Ctr, Jackson, MS; *Mingyu Zhang*, Harvard Medical Sch, Boston, MA; *Ken J Mukamal*, Beth Israel Deaconess Medical Ctr, Brookline, MA; *Fredrick Larbi Kwapong*, Beth Israel Deaconess Medical Ctr, Boston, MA; *Stephen P Juraschek*, BIDMC-Harvard Medical Sch, Boston, MA

P317
**Patient Perceptions and Satisfactions of a Remote Blood Pressure Monitoring Program in an Integrated Healthcare System**
*Teresa N Harrison*, Janet Mora Marquez, Rachelle A Juan, Kaiser Permanente Southern CA, Pasadena, CA; *Angeline L Ong-Su*, Jeffrey W Brettler, Matthew T Mefford, Jaejin An, Kristi Reynolds, Kaiser Permanente Southern California, Pasadena, CA

P318
Provider Barriers and Facilitators to Treatment Intensification for Patients With Uncontrolled Blood Pressure

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

P319
Effects of Environment and Noise on Blood Pressure Readings: The (Decibel(s)) Trail

Junichi Ishigami, Hairong Liu, Ahmed Sabit, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Di Zhao, Johns Hopkins Univ, Baltimore, MD; Chathurangi H Pathiravasan, Boston Univ, SPH, Boston, MA; Jeanne Charleston, Johns Hopkins Univ ProHealth, Baltimore, MD; Edgar R Miller II, Johns Hopkins Medical Insts, Baltimore, MD; Kuni Matsushita, Lawrence J Appel, Tammy M Brady, Johns Hopkins Univ, Baltimore, MD

P320
Soluble Receptor for Advanced Glycation End Products and Incident Hypertension: REasons for Geographic And Racial Differences in Stroke (REGARDS)

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

P321
Clinical Correlates of Medication Adherence to Antihypertensives and Bipolar Medications in Individuals With Hypertension and Bipolar Disorder

Jennifer B. Levin, Case Western Reserve Univ SOM, Cleveland, OH; David J. Moore, UCSD, San Diego, CA; Farren Briggs, Case Western Reserve Univ SOM, Cleveland, OH; Mahboob Rahman, Case Western Reserve Univ, Cleveland, OH; Jessica Montoya, Colin Depp, UCSD, San Diego, CA; Rodrigo Machado-Vieira, UT Houston, Houston, TX; Celeste Weise, Taylor Maniglia, Joy Yala, Gracie Howard Griggs, Richard Barigye, Clara Adeniyi, Martha Sajatovic, Case Western Reserve Univ SOM, Cleveland, OH

P322
Mapping Geographic Variation in Hypertension Prevalence in United States Congressional Districts Using Spatial Modeling

Oluwabunmi V Ogungbe, Biruk Teshome, Karan Parikh, Johns Hopkins Univ, Baltimore, MD; Folahan Adesola Ibukun, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Katherine Wheeler-Martin, New Your Univ, New York, NY; Cheryl R Dennison Himmelfarb, Johns Hopkins Univ, Baltimore, MD; Lisa A Cooper, John Hopkins Univ Sch of Med, Baltimore, MD; Yvonne Commodore-Mensah, Johns Hopkins Univ, Baltimore, MD

P323
Awareness of Recent Blood Pressure Levels and Blood Pressure Goals Among US Adults With Diabetes - National Health and Nutrition Examination Survey 2013-2020

Bharat Poudel, Univ of Alabama at Birmingham, Birmingham, AL; Ligong Chen, Medha Dubal, Ashley Christenson, Univ of Alabama at Birmingham, Birmingham, AL; Kathryn Foti, Univ of Alabama at Birmingham, Birmingham, AL
P324
Training and Technical Assistance to Improve Hypertension Control in Community Health Centers
Eduardo Sanchez, Celicia Cardoso, American Heart Association, Dallas, TX; Sondi Fiegel, American Heart Association, Waxahachie, TX; Nekeisha Harrison, Natl Ctr - AHA, Dallas, TX; David Pena, American Heart Association, Addison, TX; Jan Pillai, American Heart Association, Allen, TX; Sonia Ramirez, American Heart Association, Dallas, TX; Alison Smith, AHA AMA, Chicago, IL; Ashley Wagner, American Heart Association, Madison, WI

P325
Perceptions of Primary Care Quality and Hypertension Control in the Eastern Caribbean
Vivien Wambuugo, Sydney A Steel, Deron Galusha, Marcella Nunez-Smith, Carol R Oladele, Yale Univ, New Haven, CT

P326
Patient Predictors of Antihypertensive Medications Prescription Classes Revealed by the All of Us Research Project (AOURP) Registry
Jingzhi Yu, Abigail Gauen, Rachel Zmora, Lucia Petito, Abel Kho, Norrissa B Allen, Northwestern Univ, Chicago, IL

P02.08 Neurocognition and Brain Health

P327
Examination of Cardiometabolic Health Status, Obesity, and Brain Health in Community-Dwelling Older Adults
Kathryn H. Alphin, Samuel N. Lockhart, Cynthia Suerken, Sarah Gaussoin, Wake Forest Univ Sch of Med, Winston-Salem, NC; Tina E Brinkley, Wake Forest Univ Sch of Med, Winston Salem, NC

P328
Hepatocyte Growth Factor and Incident Cognitive Impairment: The Reasons for Geographic and Racial Differences in Stroke (REGARDS)
Avery J Campbell, Univ of Vermont Larner Coll of Med, Burlington, VT; Katherine Wilkinson, Timothy B Plante, Nels Olson, Univ of Vermont, Colchester, VT; Brittnay Palermo, Univ of Vermont Larner Coll of Med, Grand Isle, VT; Ryan M Irvin, Univ Alabama Birmingham, Birmingham, AL; Russell P. Sawyer, Univ of Cincinnati Coll of Med, Cincinnati, OH; Mary Cushman, Univ Vermont, Colchester, VT

P329
Lifetime Risk of Dementia: The Atherosclerosis Risk in Communities (ARIC) Study
Michael Fang, Jiaqi Hu, Johns Hopkins Univ, Baltimore, MD; A Richey Sharrett Sr., John Hopkins Univ, Baltimore, MD; Rebecca F Gottesman, NINDS, Bethesda, MD; Pamela L Lutsey, Univ of Minnesota, Minneapolis, MN; Thomas Mosley Jr., Univ MS Medical Ctr, Jackson, MS; Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD; Joe Coresh, Johns Hopkins SPH Welch Ctr, Baltimore, MD

P330
The Association Between APOE Genotype and Dementia in the Dementia Risk Pooling Project
Natalia A Lakomski, Katherine Giorgio, Univ of Minnesota, Minneapolis, MN; John Stephen, Maxwell Mansolf, Northwestern Univ, Chicago, IL; Aicha Soumare, Univ of Bordeaux,
Diet and Probiotic Administration Significantly Influence Behavior and Forebrain Inflammation in Male Mice


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

Samantha O’Connell, Soo Kang, Tulane Univ, New Orleans, LA; Camilo Fernandez Alonso, Tulane Univ Health Sciences Ctr, New Orleans, LA; Ileana De Anda-Duran, Shirine Moukaled, Wei Chen, Emily Harville, Lydia A Bazzano, Katherine T Mills, Tulane Univ, New Orleans, LA

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

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

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

Lauren Ptomey, Brian Helsel, Amy Bodde, Jessica Danon, Joseph Sherman, Univ of Kansas Medical Ctr, Kansas City, MO; Daniel E Forsha, Childrens Mercy Kansas City, Kansas City, MO; Joseph Donnelly, Univ of Kansas Medical Ctr, Kansas City, KS

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

Eric Stulberg, Univ of Utah, Salt Lake City, UT; Alexander Zheutlin, Northwestern Univ, Chicago, IL; Adam H de Havenon, Yale Univ, New Haven, CT
The Association of Coronary Artery Calcium Progression and Cognitive Function in Midlife - The Coronary Artery Risk Development in Young Adults (CARDIA) Study

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

P337

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

Cissy Xiao, Univ of Illinois at Chicago, Chicago, IL; Manjula Kurella Tamura, Stanford Univ, Stanford, CA; Caitlyn Vlasschaert, Queen's Univ, Kingston, ON, Canada; Yang Pan, Celestin Missikpode, Univ of Illinois at Chicago, Chicago, IL; Varun Rao, Univ of Maryland, Baltimore, MD; Md Mesbah Uddin, Broad Inst, Cambridge, MA; Do-Kyun Kim, UHealth Sch of Public Health, Houston, TX; Xiao Sun, Univ of Illinois at Chicago, Chicago, IL; Zhijie Huang, Changwei Li, Tulane Univ, New Orleans, LA; Jonathan Taliercio, Cleveland Clinic, Cleveland, OH; Amanda H Anderson, Univ of Alabama at Birmingham, Birmingham, AL; Jing Chen, Tulane Univ, New Orleans, LA; Rajat Deo, Univ of Pennsylvania, Philadelphia, PA; Zeenat Bhat, Panduraga Rao, Univ of Michigan, Ann Arbor, MI; Dawei Xie, Univ of Pennsylvania, Philadelphia, PA; James Lash, Univ of Illinois at Chicago, Chicago, IL; Jiang He, Tulane Univ, New Orleans, LA; James Hixson, UHealth Sch of Public Health, Houston, TX; Pradeep Natarajan, Massachusetts General Hosp, Brookline, MA; Kristine Yaffe, Univ of California San Francisco, San Francisco, CA; Tanika N Kelly, Univ of Illinois at Chicago, Chicago, IL

P02.09 Obesity and Adipose Tissue Distribution

P338

Abdominal Myosteatosis and Cognitive Function: Insights From CARDIA Study

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

P339

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

Robert Booker, Mandy Wong, Northwestern Univ, Chicago, IL; Michael P. Bancks, Wake Forest Sch of Med, Winston Salem, NC; Ankeet S. Bhatt, Kaiser Permanente, San Francisco, CA; Mercedes R Carnethon, Northwestern Univ, Chicago, IL; Lisa S. Chow, Univ of Minnesota, Minneapolis, MN; Cora E. Lewis, Univ Alabama Birmingham, Birmingham, AL; Pamela J. Schreiner, Univ Minnesota, Minneapolis, MN; Jennifer Zink, Natl Cancer Inst, Rockville, MD; Shaina J. Alexandria, Northwestern Univ, Chicago, IL

P341
Physical Activity and Dual Energy X-ray Absorptiometry Measured Body Composition in Global Multi-Ethnic Cohorts
Jennifer L Carter, Univ of Oxford, Oxford, United Kingdom

Gut Microbiota and Microbial Metabolites Are Associated With DXA Measured Overall Fat and Trunk Fat in 5-year-old Children
Yingan Chen, Noel T Mueller, Curtis Tilves, Univ of Colorado, Aurora, CO; Myriam Doyon, CRCHUS, Sherbrooke, QC, Canada; Luigi Bouchard, Patrice Perron, Univ de Sherbrooke, Sherbrooke, QC, Canada; Renee Guerin, CIUSSS Saguenay Lac St-Jean, Chicoutimi, QC, Canada; Eric Masse, Univ de Sherbrooke, Sherbrooke, QC, Canada; Marie-France Hivert, Harvard Medical Sch, Boston, MA

Diet Behaviors, Income, and Body Composition Among Diverse Adult Populations in the United States
Fatemeh Choupani, Seattle Univ, Seattle, WA

Epidemiology and Burden of Patients Living With Overweight/Obesity and Established Atherosclerotic Cardiovascular Disease
Jayashri Desai, Zhenxiang Zhao, Wojciech Michalak, Briaín O Hartaigh, Anthony Fabricatore, Mads Faurby, Novo Nordisk Inc., Plainsboro, NJ; Elyse Swallow, Jia Zhong, Shimin Bi, Analysis Group, Boston, MA

Is a Fixed Value of the Rate of Gas Exchange Appropriate to Indicate the Maximum Effort of Obese and Nonobese Adults Undergoing a Treadmill Cardiopulmonary Exercise Test?
Victor Dourado, Agatha Matheus, Alan Barbosa, Federal Univ of Sao Paulo, Santos, Brazil; Marcello Romiti, Rodolfo Arantes, AngioCorpore Inst of Cardiovascular Med, Santos, Brazil

Effect of Low-Fat versus Low-Carbohydrate Diet on Visceral Fat
Shawna Follis, Kristen Cunanan, Stanford Univ, Stanford, CA; Matthew J Landry, Univ of California, Irvine, Irvine, CA; Catherine Ward, Marcia L Stefanick, Christopher D Gardner, Stanford University, Stanford, CA

Variability in Predictive Error of Waist Circumference Models: A Stratified Analysis Based on Body Mass Index, Waist Circumference, and Their Ratio
Tomas Karpati, Holon Inst of Technology, Holon, Israel; Tsafnat Test, Ben-Gurion Univ of the Negev, RETAMIM, Israel; Orna Reges, Ariel Univ, Ariel, Israel

Weight Loss of Machine Learning Identified Metabolic Subtypes in Response to Dietary Interventions
Xiang Li, Tulane Univ, New Orleans, LA; Han Feng, Tulane Univ Sch of Med, New Orleans, LA; Qian Qian, The Univ of Texas Health Science Ctr at Houston, Houston, TX; George Bray, Pennington Res Inst, Baton Rouge, LA; Frank M Sacks, Harvard Univ, Boston, MA; Lu Qi, Tulane Univ, New Orleans, LA
P349
Physical Activity Perceptions and Engagement of Patients Prescribed an Anti-Obesity Medication in a Medical Weight Loss Clinic
Renée J. Rogers, Stephen D Herrmann, Mary Hastert, Sarah Stolte, Cathleen Beaver, Joseph E Donnelly, John M Jakicic, Univ of Kansas Medical Ctr, Kansas City, KS

P350
Increased Trunk Fat and Decreased Limb Fat Linked to Elevated Cardiovascular Risk in Hong Kong Chinese Women
Qingling Yang, Yao Jie Xie, Lin Yang, The Hong Kong Polytechnic Univ, Hong Kong, China; Chun Hao, Sun Yat-Sen Univ, Guangzhou, China

P02.10 Physical Functioning and Quality of Life

P351
The Associations of Short-Term, Chronic Localized and Chronic Widespread Pain With Life Expectancy Free of Major Chronic Diseases
Minghao Kou, Xiang Li, Tulane Univ, New Orleans, LA; Hao Ma, Tulane Univ, Metairie, LA; Xuan Wang, Yoriko Heianza, Lu Qi, Tulane Univ, New Orleans, LA

P352
Association of General and Exertional Fatigue Subtype With Pre-Clinical Heart Failure Stage in Community Dwelling Older Adults in the Atherosclerosis Risk in Communities Study
Noelle Pavlovic, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Martha Abshire Saylor, Johns Hopkins Univ, Eldersburg, MD; Cheryl R Dennison Himmelfarb, Johns Hopkins Univ, Baltimore, MD; Yvonne Commodore-Mensah, Johns Hopkins Sch of Nursin, Baltimore, MD; Amil M Shah, UT Southwestern Medical Ctr, Dallas, TX; Kuni Matsushita, Johns Hopkins Univ, Baltimore, MD

P353
Effect of Exergaming-Based Dance Training Paradigm in Improving Cardiovascular Function and Functional Mobility Among People With Chronic Stroke
Savitha Subramaniam, UIC, Aurora, IL; Jun Ma, Univ of Illinois, Chicago, IL

P02.11 Pregnancy and Maternal and Fetal Health

P354
Prevalence of Meeting a Single versus Combined 24-Hour Movement Guidelines in Pregnant Women in Saudi Arabia
Saja Alghamdi Female, Alawyah Alsalman Female, Om Kalthom Sowadi Female, Nada Khojah Female, Hadeel Saad Female, Abdullah Alnsare Male, King Saud Univ, Riyadh, Saudi Arabia

P355
Identifying Barriers and Facilitators to Home Blood Pressure Monitoring Among Pregnant Women With Hypertension Disorders of Pregnancy-A Qualitative Approach
Mawulorm Denu, Ritika Revoori, Katherine Sadanianzt, Gérman Chiriboga, Sanjna Iyengar, Brooke Staples, Sarah Forrester, Stephenie C Lemon, Tiffany Moore Simas, Sharina PERSON, David McManus, Kathleen Mazor, Lara Kovell, UMass Chan Medical Sch, Worcester, MA
P356
Women’s Reproductive Factors Are Associated With Future Risk of Hearing Loss
Dongshan Zhu, Chunying Fu, Qi Wang. 1. Dept of Epidemiology, Sch of Public Health, Cheeloo Coll of Med, Shandong Univ, Jinan, China; 2. Ctr for Clinical Epidemiology and Evidence-Based Med, Shandong Univ, Jinan, China, Jinan, China

P357
Health Behaviors in Early Pregnancy Are Associated With Mid-Pregnancy Biomarkers of Placental Health and Function
Andrea Kozai, Univ of Pittsburgh, Pittsburgh, PA; Bethany Barone Gibbs, West Virginia Univ, Morgantown, WV; Sadiya S Khan, Northwestern Univ, Oak Park, IL; William Grobman, Ohio State Univ, Columbus, OH; Lisa Levine, Univ of Pennsylvania, Philadelphia, PA; Rebecca McNeil, RTI Intl, Durham, NC; Samuel Parry, Univ of Pennsylvania, Philadelphia, PA; Janet M Catov, Univ of Pittsburgh, Pittsburgh, PA

P358
Association Between Psychological Distress and Cardiovascular Health Among Pregnant Individuals in the United States: Findings From Nationally Representative Data
Danish Iltaf Satti, Div of Cardiology, Johns Hopkins Sch of Med, Baltimore, MD; Jeffrey Shi Kai Chan, Cardiovascular Analytics Group, China-UK Collaboration, Hong Kong, Hong Kong; Reed Mszar, Dept of Chronic Disease Epidemiology, Yale Sch of Public Health, New Haven, CT; Yaa A Kwapong, Johns Hopkins Sch of Med, Baltimore, MD; Raymond Ngai Chiu Chan, Cardiovascular Analytics Group, China-UK Collaboration, Hong Kong, Hong Kong; Miriam E Katz, New York Medical Coll, Valhalla, NY; Faith Metlock, Yvonne Commodore-Mensah, Johns Hopkins Sch of Nursing and Public Health, Baltimore, MD; Jared Spitz, Jason A Bonomo, Garima Sharma, Inova Schar Heart and Vascular, Inova Fairfax Medical Campus, Falls Church, VA

P359
Neighborhood Social Disadvantage and Racial/Ethnic Disparities in Peripartum Cardiomyopathy in California, From 2004-2019
Curisa M. Tucker, Univ of South Carolina, Columbia, SC; Chen Ma, Stanford Univ, Palo Alto, CA; Mahasin S Mujahid, UC Berkeley, Berkeley, CA; Afshan B Hameed, Univ of California, Irvine, Orange, CA; Elliott Main, Suzan Carmichael, Stanford Univ, Palo Alto, CA

P360
Association of Neighborhood-Level Socioeconomic Disadvantage and Maternal Cardiovascular Health in Early Pregnancy: The nuMoM2b-HHS Study
Kartik K Venkatesh, The Ohio State Univ, Columbus, OH; William Grobman, The Ohio State Univ Wexner Medical Ctr, Columbus, OH; Xiaoning Huang, Lynn Yee, Northwestern Univ, Chicago, IL; Janet M Catov, Hy Simhan, Univ of Pittsburgh, Pittsburgh, PA; Erin Cleary, Indiana Univ, Indianapolis, IN; Brian Mercer, Metro Health, Cleveland, OH; Uma Reddy, Columbia Univ, New York, NY; Robert Silver, Univ of Utah, Salt Lake City, UT; Lisa Levine, Univ of Pennsylvania, Philadelphia, PA; Judith Chung, Univ of California, Irvine, CA; George Saade, Eastern Virginia Medical Coll, Norfolk, VA; Rebecca McNeil, RTI Intl, Durham, NC; Victoria L Pemberton, Jasmina Varagic, NHLBI, Bethesda, MD; C Noel Noel N Bairey, Cedars-Sinai Medical Ctr, Los Angeles, CA; Philip Greenland, Feinberg Sch of Med, Chicago, IL; Courtney Lynch, The Ohio State Univ, Columbus, OH; Sadiya S Khan, Northwestern Univ, Chicago, IL

P02.12 Promoting and Measuring Health Behaviors
Health Behaviors, Healthcare Utilization and Social Determinants of Health Among Afro-Latin and Non-Hispanic Black Men at Risk for Hypertension: The CLIP Study
Milla E Arabadjian, NYU Long Island Sch of Med, Mineola, NY; Tanisha Green, NYU Grossman Sch of Med, New York, NY; Ligong Chen, Univ of Alabama, Birmingham, AL; Antoinette Schoenthaler, Olugbenga Ogedegbe, NYU Langone Health, New York, NY; JOSEPH RAVENELL, NYU Sch of Med, New York, NY

Differences in Cardiovascular Health, Physical Activity Determinants, and Desired Intervention Components in Individuals With a History of Hypertensive Disorders of Pregnancy by Activity Level
Jaclyn D Borrowman, Willaim Story, The Univ of Iowa, Iowa City, IA; Lucas Carr, Gary L Pierce, Univ of Iowa, Iowa City, IA; Bethany Barone Gibbs, West Virginia Univ, Morgantown, WV; Kara M Whitaker, Univ of Iowa, Iowa City, IA

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

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

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

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

Regularity in Sleep and Eating Timing is Associated With Decreased Carotid Intima-Media Thickness in Healthy Young Adults
Thomas Keiser, Elissa K Hoopes, Melissa A Witman, Benjamin Brewer, Michele N D'Agata, David G Edwards, Shannon M Robson, Univ of Delaware, Newark, DE; Susan Malone, New York Univ, New York, NY; Freda Patterson, Univ of Delaware, Newark, DE

P368
Differences in Perceived General Health and Health Care Utilization by Race and Ethnicity During the COVID Pandemic: The C4R-MESA Study
Oluwabunmi V Ogungbe, Johns Hopkins Univ, Baltimore, MD; Wang Tianyou, Columbia Univ, New York, NY; Pallavi Balte, Columbia Univ, New York, NY; Akshaya Krishnaswamy, Columbia Univ Medical Ctr, New York, NY; Sarah Slone, Diane Meyer, Johns Hopkins Univ, Baltimore, MD; Jana Hirsch, Drexel Univ, Philadelphia, PA; Norrina B Allen, Northwestern Univ, Chicago, IL; Karen Hinckley Stukovsky, Univ of Washington, Seattle, WA; R. Graham Barr, Elizabeth Oelsner, Columbia Univ, New York, NY; Wendy S Post, Johns Hopkins Univ, Baltimore, MD

P369
Patterns of American Heart Association "Life's Essential 8" Scores in Children With Down Syndrome
Boris Tirado, Univ of Utah, Salt Lake Cty, UT; Robert Merrill, Univ of Utah, Salt Lake City, UT; Sarah D De Ferranti, Boston Childrens Hosp, Boston, MA; Linda M Lambert, Univ of Utah-PCH Heart Ctr, Salt Lake City, UT; Brian W McCrindle, The Hosp for Sick Children, Toronto, ON, Canada; Richard V Williams, Univ of Utah, Salt Lake City, UT; Adam L. Ware, Univ of Utah, Salt Lake Cty, UT

P370
Prevalence of the AHA Life's Essential 8 in Midlife Women and Its Prospective Associations With Total Mortality and Cardiovascular Diseases Events: The Study of Women's Health Across the Nation (SWAN)
Ziyuan Wang, Emma Barinas-Mitchell, Maria M Brooks, Univ of Pittsburgh, Pittsburgh, PA; Carol A Derby, Albert Einstein Coll Med, Bronx, NY; Jared W Magnani, Rebecca C Thurston, Samar R El Khoudary, Univ of Pittsburgh, Pittsburgh, PA

P371
The Retrain Your Brain for Healthy Eating Study: Promising Results in Reducing Cravings and Supporting Healthier Eating Habits Among Diverse Patients With Obesity

P372
Behavioral Cardiovascular Health in Children With Chronic Conditions
Rachel Zmora, Yaojie Wang, Darci Phillips, Aashima Chopra, Northwestern Univ, Chicago, IL; Amanda M Marma, Lurie Children's Hosp, Chicago, IL; Donald M Lloyd-Jones, Northwestern Univ, Chicago, IL; Sarah D De Ferranti, Boston Children's Hosp, Boston, MA;
P02.13 Social Determinants of Health

P373 Psychosocial Risk and Resilience Profile in Rural Alabama: A Preliminary Analysis of Risk Underlying Rural Areas Longitudinal (RURAL) Study Larissa Benjamin, Univ of California Berkeley, Berkeley, CA; Stephanie Broyles, Pennington Bio Rrch Ctr, Baton Rouge, LA; Ramachandran S Vasan, UT Sch of Public Health, San Antonio, TX; Viola Vaccarino, Emory Univ Rollins Schl Public Hlth, Atlanta, GA; Tene T Lewis, Emory Univ, Atlanta, GA; Mahasin S Mujahid, Univ of California Berkeley, Berkeley, CA

P374 Understanding the Mediating Role of Allostatic Load on the Relationship Between Long-Term Financial Strain and Subclinical CVD Among Black Women: The Study of Women's Health Across the Nation (SWAN) Brittany Brown-Podgorski, Emma Barinas-Mitchell, Jared W Magnani, Maria M Brooks, Rebecca C Thurston, Univ of Pittsburgh, Pittsburgh, PA; Imke Janssen, Rush Univ Medical Ctr, Chicago, IL; Sherri-Ann M Burnett-Bowie, Massachusetts General Hosp, Harvard Medical Sch, Boston, MA; Carrie Karvonen-Gutierrez, Univ of Michigan, Ann Arbor, MI; Marian Jarlenski, Univ of Pittsburgh, Pittsburgh, PA

P375 Cardiometabolic Risk Factors and Socioeconomic Status Indices in Young Adults in Latin America: A Systematic Review and Meta-Analysis of Observational Studies Adriana Buitrago-Lopez, Pontificia Univ Javeriana, Bogota, Colombia; Cristina Pellegrino Baena, Jose Faria Neto, PUCPR, Curitiba, Brazil

P376 Comparison of Heart Failure Admission Rates Between Rural-Urban Continuum Code Designations William B Burrows, Jimmy Robinson, Univ of Kentucky, Lexington, KY; Mary Elizabeth L Leigh, UK Coll of Public Health, Lexington, KY; Meredith Stevenson Duncan, Univ of Kentucky, Lexington, KY; Anna Kucharska-Newton, Univ North Carolina, Chapel Hill, NC

P377 Association Between Area Deprivation and Premature Cardiovascular Mortality in South Korea Hyeon Chang Kim, Eunji Kim, Hokyou Lee, Yonsei Univ, Seoul, Korea, Republic of; Donald M Lloyd-Jones, Northwestern Univ, Chicago, IL; Young Gyu Ko, Busan Public Health Policy Inst, Busan, Korea, Republic of; Byoung Gwon Kim, Busan Natl Univ, Busan, Korea, Republic of

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

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

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

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

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

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

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

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

P02.14 Surveillance

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

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

P02.15 Other Categories

P391
**Case Review of Congenital Ectopic Coronary Artery Disease**
*Ayomide Ogundipe*, Arkansas Coll of Osteopathic Med, Fort Smith, AR; *Abdul-Nasser Adjei*, Baptist Fort Smith Medical Ctr, Fort Smith, AR

**Moderated Posters**
MPS05 Nutrition

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

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

MP26
Dietary Patterns, Metabolome Profile and Risk of Type 2 Diabetes

MP27
Use of Multivitamin Supplements and Risks of Total and Cause-Specific Mortality Among U.S. Adults

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

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

MP29
Ready-to-Eat Food Environment and Risk of Incident Type 2 Diabetes: A Prospective Cohort Study
Xiang Li, Minghao Kou, Qiaochu Xue, Hao Ma, Xuan Wang, Lu Qi, Tulane Univ, New Orleans, LA

MP30
Sugar-Sweetened Beverages, Fruit Juices, and Whole Fruits Throughout Childhood and Adolescence and Glycemic Outcomes in Late Adolescence in Project Viva Soren Harnois-Leblanc, Jessica G Young, Sheryl L Rifas-Shiman, Karen M Switkowska, Harvard Pilgrim Health Care Inst, Boston, MA; Wei Perng, Colorado Sch of Public Health, Aurora, CO; Izzuddin M Aris, Emily Oken, Marie-France Hivert, Harvard Pilgrim Health Care Inst, Boston, MA

MPS06 Diabetes
Moderator:
Mary Rooney, PhD, MPH

MP31
Incident Type 2 Diabetes Onset Age and Duration, Mortality Risk, and Loss in Life Expectancy
Yin Zhang, Mingyang Song, Molin Wang, Ellen Hertzmark, Kana Wu, A. Heather Eliassen, Lorelei Mucci, Qi Sun, Meir Stampfer, Walter Willett, Frank Hu, Edward Giovannucci, Harvard Sch of Public Health, Boston, MA

MP32
Associations of Metabolites With Glycemic Outcomes Among Bogalusa Heart Study and Atherosclerosis Risk in Communities Study Participants
Jenilee Cueto, Tulane Univ, New Orleans, LA; Tanika N Kelly, Univ of Illinois Chicago, Chicago, IL; Jiang He, Changwei Li, Tulane Univ, New Orleans, LA; Jovia L Nierenberg, BridgeBio, San Francisco, CA; Xiaoying Gu, China-Japan Friendship Hosp, Beijing, China; Eric Boerwinkle, UT Health, Houston, TX; Joe Coresh, Johns Hopkins SPH Welch Ctr, Baltimore, MD; Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD; Bing Yu, Univ Of TX Health Science Ctr, Houston, TX; Lydia A Bazzano, Tulane Univ, New Orleans, LA; Casey Rebholz, Johns Hopkins, Baltimore, MD; Kirsten Dorans, Tulane Univ, New Orleans, LA

MP33
Investigating the Link Between Glucose Patterns Assessed by Continuous Glucose Monitoring With Cognitive Impairment in Older Adults With Diabetes
Emeka Ejimogu, Johns Hopkins Sch of Public Health, Baltimore, MD; Dan Wang, Johns Hopkins Univ Sch of Public Health, Baltimore, MD; Jiaqi Hu, Johns Hopkins Sch of Public Health, Baltimore, MD; Rebecca Gottesman, Natl Inst of Neurological Disorders and Stroke,
MP34
Association of Biological Age Acceleration With Incident Type 2 Diabetes and Coronary Artery Disease
Guangrui Yang, Victor W. Zhong, Shanghai Jiao Tong Univ, Shanghai, China

MP35
Long-Term Trajectories of Self-Rated Health Are Similar Following Incident Diabetic Foot Disease and Acute Myocardial Infarction Among Adults With Diabetes in the Atherosclerosis Risk in Communities (ARIC) Study
Katherine M McDermott, Johns Hopkins Dept of Surgery, Baltimore, MD; Dan Wang, Michael Fang, Johns Hopkins Univ, Baltimore, MD; Pamela L Lutsey, Univ of Minnesota, Minneapolis, MN; B Gwen Windham, UMMC, The MIND Ctr, Jackson, MS; Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD; Caitlin W Hicks, Johns Hopkins Dept of Surgery, Baltimore, MD

MP36
Evaluation of Race and Ethnicity and Pharmacy Dispensing of Sodium-Glucose Cotransporter 2 Inhibitors and Glucagon-Like Peptide 1 Receptor Agonists in Patients With Type 2 Diabetes

MPS07 Sleep
Moderator:
Pamela Lutsey, PhD, FAHA

MP37
Insomnia is Associated With Fatty Acid and Oxylipin Inflammatory Biomarkers in the Hispanic Community Health Study/Study of Latinos
Sarah H Koenigsberg, UNC Gillings Sch of Global Public Health, Chapel Hill, NC; Nour Makarem, Columbia Univ Medical Ctr, New York, NY; Heather M Highland, UNC Gillings Sch of Global Public Health, Chapel Hill, NC; Carolina G Downie, Natl Heart, Lung, and Blood Inst, Bethesda, MD; Mona Alotaibi, PCCM UCSD, La Jolla, CA; Susan Cheng, Cedars-Sinai Medical Ctr, Los Angeles, CA; Annie Green Green Howard, Danyu Y Lin, Kari E North, UNC Gillings Sch of Global Public Health, Chapel Hill, NC; Sanjay R Patel, Univ of Pittsburgh, Pittsburgh, PA; Bharat Thyagarajan, Univ of Minnesota, Minneapolis, MN; Christy L Avery, UNC Gillings Sch of Global Public Health, Chapel Hill, NC
MP39

Circadian Misalignment Increases the Impact of Visceral Adiposity on Metabolic Syndrome Independent of Nutrition and Physical Activity in Adolescents

Natasha Morales-Ghinaglia, Susan Calhoun, Jason Liao, Alexandros Vgontzas, Penn State Coll Med, Hershey, PA; Duanping Liao, Penn State Univ Coll of Med, Hershey, PA; Edward O Bixler, Penn State Coll Med, Hershey, PA; Julio Fernandez-Mendoza, Penn State Coll of Med, Hershey, PA

MP40

Associations Between Meal Timing and Sleep in Older Adults


MP41

Associations Between Reallocations of Daytime Movement Behaviors and Self-Reported Sleep Quality and Insomnia Severity in Desk Workers

Christopher E Kline, Rachel M. Sanders, Univ of Pittsburgh, Pittsburgh, PA; Caitlin A. Cheruka, Univ of Central Florida, Orlando, FL; Andrew G. Kubala, Leidos, Inc., San Diego, CA; Mara E. Egeler, Univ of Arkansas, Fayetteville, AR; Subhashan Perera, Sanjay R Patel, Univ of Pittsburgh, Pittsburgh, PA; Bethany Barone Gibbs, West Virginia Univ, Morgantown, WV

MP42

Insomnia Symptoms Are Associated With Poor Cardiometabolic Health Among Bhutanese Refugees in the United States

Rupsha Singh, Natl Inst on Aging, Baltimore, MD; Jeffrey Cohen, The Ohio State Univ, Columbus, OH; Taku Suzuki, Denison Univ, Granville, OH; Shambika Raut, The Ohio State Univ, Columbus, OH; Francisco Montiel Ishino, Chandra Jackson, Natl Inst of Environmental Health Sciences, Research Triangle Park, NC

MPS08 Childhood and Youth/Maternal Health

Moderator:
Noel Mueller, PhD, MPH, FAHA

MP43

Disparities in Cardiovascular Health in Childhood: The Young Hearts Study

Norrina B Allen, Northwestern Univ, Chicago, IL; Amanda M Marma, Lurie Childrens Hosp, La Grae, IL; Sarah D De Ferranti, Boston Childrens Hosp, Boston, MA; Darwin R Labarthie, Northwestern Univ, Chicago, IL; Matthew Davis, Lurie Children's Hosp of Chicago, Chicago, IL; Lucia Petito, Northwestern Univ, Chicago, IL; Stephen R Daniels, Univ Colorado Sch of Med, Aurora, CO; Aasha Chopra, Northwestern Univ, Aurora, IL; Darci Phillips, Yaojie Wang, Marc Rosenman, Northwestern Univ, Chicago, IL; Rashmi Narayan, Alliance, Chicago, IL; Holly Gooding, Emory, Atlanta, GA; Mark J Pletcher, UCSF, San Francisco, CA; Francis Alenghat, Univ of Chicago, Chicago, IL; Rupali Gandhi, Rupali Gandhi, Chicago, IL; Cheryl Lefaivver, Advocate, Chicago, IL; Amanda Luff, Advocate, Milwaukee, WI; Huma Khan, Advocate, Chciago, IL; Ileah Rios, Northwestern, Chicago, IL; Rachel Zmora, Northwestern Univ, Chicago, IL; Amy Yu, Northwestern, Chicago, IL; Donald M Lloyd-Jones, Northwestern Univ, Chicago, IL
MP44
Non-Genetic Component of Height as a Surrogate Marker for Childhood Socioeconomic Status and Its Association With Cardiovascular and Brain Health: Results From HCHS/SOL
Jee-Young Moon, Albert Einstein Coll of Med, Bronx, NY; Paola Filigrana, Albert Einstein Coll of Med, Bronx, NY, NY; Linda Gallo, San Diego State Univ, Chula Vista, CA; Krista Perreira, Univ of North Carolina Sch, Chapel Hill, NC; Jianwen Cai, UNC Chapel Hill, Chapel Hill, NC; Martha L Daviglus, Univ Illinois Chicago, Chicago, IL; Lindsay Fernandez-Rhodes, Penn State Univ, University Park, PA; Olga Garcia-Bedoya, Univ of Illinois at Chicago, Chicago, IL; Robert Kaplan, Qibin Qi, Albert Einstein Coll of Med, Bronx, NY; Bharat Thyagarajan, Univ of Minnesota, Minneapolis, MN; Wassim Tarraf, Wayne State Univ, Detroit, MI; Tao Wang, Albert Einstein Coll of Med, Bronx, NY; Carmen R Isasi, Albert Einstein Coll Med, Bronx, NY

MP45
Beyond Pregnancy: Meta-Analysis of Lifestyle Intervention for Prevention of Diabetes Mellitus in Women With Prior Gestational Diabetes Mellitus
Saher Taj Shiza, Lincoln Medical and Mental Health Ctr, Bronx, NY; Zahoor Ahmed, King Edward Medical Univ, Lahore, Pakistan; Kenneth Ong, Lincoln Medical Ctr, Bronx, NY

MP46
Recurrent Hypertensive Disorders of Pregnancy and Subsequent Maternal Coronary Heart Disease and Stroke
Angela M Malek, Dulaney A. Wilson, Medical Univ of South Carolina, Charleston, SC; Julio Mateus, Atrium Health, Charlotte, NC; Jessica Pittman, Tanya N Turan, Kelly J Hunt, Medical Univ of South Carolina, Charleston, SC

MP47
Fetal Life Exposure to GDM and Postnatal Breastfeeding and Beverage Intake in the First Year Are Associated With Severe Child Obesity at 6 to 11 Years: The SWIFT Study in Youth
Baiyang Sun, Alexis S King, Joan C Lo, Kaiser Permanente Northern CA, Oakland, CA; Louise C Greenspan, Kaiser Permanente Northern CA, San Francisco, CA; Patricia Wakimoto, Stacey Alexeeff, Erica P Gunderson, Kaiser Permanente Northern CA, Oakland, CA

MP48
Consumption of Low-Calorie Sweeteners Among Infants, Toddlers, and Preschoolers in the United States, NHANES 2013-2018
Xinyu Zhu, Emory Univ, Atlanta, GA; Allison C Sylvetsky, The George Washington Univ, Washington, DC; Jean A Welsh, Emory Univ, Atlanta, GA

WEDNESDAY

P03.01 Cardiometabolic Health and Disorders 2

P392
Oluwabunmi V Ogungbe, Ebenezer Kobbie Aryee, Johns Hopkins Univ, Baltimore, MD; Ruth-Alma Turkson-Ocran, Beth Israel Deaconess Medical Ctr, Boston, MA; Chiadi E Ndumele, Johns Hopkins Hosp, Baltimore, MD; Yvonne Commodore-Mensah, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD
Trends in Risk Factor Control Among US Adults With Cardio-Kidney-Metabolic Multimorbidity, 1999-2020

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Caimei Yuan, Geng Zong, Chengwu Feng, Shanghai Inst of Nutrition and Health, CAS, Shanghai, China

Distribution of Cardiovascular Health and Its Impact on Carotid Intima-Media Thickness Among Korean Adolescents
**P404**

**Food Insecurity Has a Moderation Effect in the Association Between Neighborhood Deprivation and Obesity Among Children**  
**Titilola Labisi**, Kaiser Permanente, Pasadena, CA; **Margo Sidell**, Kaiser Permanente Res and Eval, Pasadena, CA; **Xia Li**, Kaiser Permanente, Pasadena, CA; **Corinna Koebnick**, Kaiser Permanente Southern California, Pasadena, CA

**P405**

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

**P406**

**Screen Time and Behavioral Cardiovascular Health in Youth by Age: The Young Hearts Study**  
**Darci Phillips**, Donald M Lloyd-Jones, Northwestern Univ, Chicago, IL; **Sarah D De Ferranti**, Boston Childrens Hosp, Boston, MA; **Darwin R Labarthe**, Northwestern Univ, Chicago, IL; **Matthew Davis**, Lurie Children's Hosp of Chicago, Chicago, IL; **Amanda P. Marma**, Lurie Children's Hosp of Chicago, Chicago, IL; **Lucia Petito**, Northwestern Univ, Chicago, IL; **Stephen R Daniels**, Univ of Colorado Sch of Med, Aurora, CO; **Aashima Chopra**, Lurie Children's Hosp of Chicago, Chicago, IL; **Marc Rosenman**, Northwestern Univ, Chicago, IL; **Holly Gooding**, Emory Univ Sch of Med, Atlanta, GA; **Rashmi Narayan**, AllianceChicago, Milwaukee, WI; **Huma Khan**, Advocate Aurora Health, Chicago, IL; **Ileah Rios**, Rachel Zmora, Amy Yu, Norrina B Allen, Northwestern Univ, Chicago, IL

**P407**

**Decreased Peripheral Mitochondrial Respiration in Pre-Adolescent Hispanic Children With Hepatic Steatosis**  
**Ana Ramirez Tovar**, Cristian Sanchez Torres, Helaina Huneault, Zhulin He, Jean A Welsh, Miriam B Vos, Emory Univ, Atlanta, GA

**P408**

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

**P409**

**Maternal Macronutrient Intake at Pregnancy and Offspring Growth Trajectory Before Adulthood: A Prospective Analysis in the Growing Up Today Study 2 Cohort**  
Prevalence and Short Term Follow Up Rates Across the Childhood and Adolescent Obesity Population in a Community Hospital
Priya Thanneeru, Shivani Desai, Daisy Lall, The Brooklyn Hosp Ctr, Brooklyn, NY

P411
Child Opportunity and Behavioral Cardiovascular Health in Youth: The Young Hearts Study
Amy Yu, Northwestern Univ Feinberg Sch of Med, Chicago, IL; Aashima Chopra, Northwestern Univ, Aurora, IL; Rachel Zmora, Darci Phillips, Northwestern Univ, Chicago, IL; Amanda M Marma, Ann & Robert H. Lurie Children's Hosp of Chicago, La Grue, IL; Yaojie Wang, Ileah Rios, Northwestern Univ, Chicago, IL; Sarah de Ferranti, Boston Children's Hosp, Boston, MA; Darwin R Labarthe, Northwestern Univ, Chicago, IL; Matthew M Davis, Northwestern Univ Feinberg Sch of Med, Chicago, IL; Lucia Petito, Northwestern Univ, Chicago, IL; Stephen R Daniels, Univ of Colorado Sch of Med, Aurora, CO; Marc Rosenman, Northwestern Univ, Chicago, IL; Rashmi Narayan, Rush Univ, Chicago, IL; Holly Gooding, Emory Univ, Atlanta, GA; Mark J Pletcher, UCSF, San Francisco, CA; Francis Alenghat, Rupali Gandhi, Univ of Chicago, Chicago, IL; Cheryl Lefaiver, Advocate Aurora Health Care, Chicago, IL; Amanda Luff, Advocate Aurora Health Care, Milwaukkee, WI; Huma Khan, Advocate Aurora Health Care, Evergreen Park, IL; Donald M Lloyd-Jones, Norrina B Allen, Northwestern Univ, Chicago, IL

P412
Exploration of Eating Disorder Behaviors in Adolescent Girls Engaged in a Cardiovascular Risk Assessment Study
Elizabeth H Zeichner, Emory Univ Sch of Med, Atlanta, GA; Andrew Jergel, Emory Univ, Atlanta, GA; Brianna Karim, Kourtney Peters, Holly C Gooding, Emory Univ Sch of Med, Atlanta, GA

P03.03 Chronic Kidney Disease

P413
Epigenetic Age Acceleration Measures Predict Cardiovascular Outcomes in Diabetic Kidney Disease
Avi Aronov, Yang Pan, Xiao Sun, Univ of Illinois Chicago, Chicago, IL; Katalin Susztak, Univ of Pennsylvania, Philadelphia, PA; James Lash, Tanika N Kelly, Univ of Illinois Chicago, Chicago, IL

P414
Serum Potassium Trajectories Among Chronic Kidney Disease Patients: The Chronic Renal Insufficiency Cohort Study
Jenilee Cueto, Tulane Univ, New Orleans, LA; Andrei Robert Stefanescu, Gies Coll of Business, Champaign, IL; Hua He, Tulane Univ, New Orleans, LA; Jing Chen, Tulane Sch of Public Health, New Orleans, LA; Morgan Grams, NYU Langone, New York, NY; Amanda H Anderson, Univ of Alabama, Birmingham, AL; Jiang He, Katherine T Mills, Tulane Univ, New Orleans, LA

P415
Validation of an Algorithm to Identify End-Stage Kidney Disease Cases in Electronic Health Record Data
Chenxi Gao, Dept of Epidemiology, Johns Hopkins Bloomberg Sch of Public Health, Baltimore, MD; Yunwen Xu, Yingying Sang, Johns Hopkins Univ, Baltimore, MD; Alexander
R Chang, Jamie Green, Geisinger, Danville, PA; Morgan Grams, Div of Precision Med, New York Univ Grossman Sch of Med, New York, NY; Jung-Im Shin, Johns Hopkins Univ, Baltimore, MD

P416
Higher Household Income is Protective Against Chronic Kidney Disease Among White but Not Black Adults: An Analysis of 2017-2020 NHANES
Ben Grobman, Harvard Medical Sch, Boston, MA; Ruth-Alma Turkson-Ocran, Beth Israel Deaconess Medical Ctr, Boston, MA; Mingyu Zhang, Harvard Medical Sch, Boston, MA; Stephen P Juraschek, BIDMC-Harvard Medical Sch, Boston, MA

P417
A Cumulative Score Approach to Evaluating the Impact of Five Modifiable Lifestyle Factors on Kidney Function
Martino W Laurenzi, CeSEG, Gubbio, Italy; Massimo Cirillo, Sch of Med, Salerno, Italy; Oscar Terradura Vagnarelli, CeSEG, Gubbio, Italy

P418
Pre-Stroke Use of Loop Diuretics in Elderly Patients Aggravates Renal Function at the Onset of Acute Stroke: A Propensity Score-Matched, Retrospective Cohort Study
Takahisa Mori, Tetsundo Yano, Kazuhiro Yoshioka, Yuichi Miyazaki, Shonan Kamakura General Hosp, Kamakura, Japan

P419
Urinary Na:K Excretion and the Risk of Cardiovascular Events in Patients With Chronic Kidney Disease
Cass G Sunga, Leila R Zelnick, Nisha Bansal, Univ of Washington, Seattle, WA

P420
Loneliness, Social Isolation, and Incident Chronic Kidney Disease Among Diabetes Patients
Rui Tang, Jian Zhou, Xuan Wang, Hao Ma, Xiang Li, Yoriko Heianza, Lu Qi, Tulane Univ, New Orleans, LA

P421
Smoking Timing, Healthy Diet, and Risk of Incident CKD Among Smokers: A Cohort Study in UK Biobank
Rui Tang, Ying Hu, Tulane Univ, New Orleans, LA; Jian Zhou, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA; Xuan Wang, Xiang Li, Yoriko Heianza, Lu Qi, Tulane Univ, New Orleans, LA

P422
Lifestyle Intervention Improved Blood Pressure and Cardiovascular Disease Biomarkers in Patients With Chronic Kidney Disease and Resistant Hypertension: Insights From the TRIUMPH Randomized Clinical Trial
Crystal C Tyson, Andrew Sherwood, Duke Univ Medical Ctr, Durham, NC; Alan L Hinderliter, Patrick J Smith, Univ of North Carolina at Chapel Hill, Chapel Hill, NC; Stephanie Mabe, Duke Univ Medical Ctr, Durham, NC; Linda Craighead, Emory Univ, Atlanta, GA; Lana L Watkins, Pao-Hwa Lin, William E Kraus, Duke Univ Medical Ctr, Durham, NC; James A Blumenthal, Duke, Durham, NC
P03.04 Diabetes 2

**P423**
**Individual and Combined Effects of Diet, Exercise, and Metformin on Risk of Microvascular Complications in Older Type 2 Diabetes Patients: Post-Hoc Analysis of Action to Control Cardiovascular Risk in Diabetes (ACCORD) Trial Data**

Kaustubh Parab, Univ of Illinois at Urbana-Champaign, Aurora, IL; Xiaotian Gao, Univ of Illinois at Urbana-Champaign, Champaign, IL; Neha Gothe, Northeastern Univ, Aurora, IL; Kenneth Wilund, The Univ of Arizona, Tucson, AZ; Chelsea R Singleton, Tulane Univ, New Orleans, LA

**P426**
**County-Level Structural Racism and Diabetes Prevalence Among White and Black US Adults**

Krystal Ramos Barrera, Sarah Krumholz, Larner Coll of Med at the Univ of Vermont, Burlington, VT; Lorraine T. Dean, Charlie H. Nguyễn, Geoff B. Dougherty, Alden L. Gross, Johns Hopkins Univ, Baltimore, MD; Suzanne Judd, Univ of Alabama at Birmingham, Birmingham, AL; Anika L. Hines, Virginia Common Wealth Univ, Richmond, VA; Timothy B. Plante, Larner Coll of Med at the Univ of Vermont, Burlington, VT

**P427**
**Vitamin D Deficiency and Cardiovascular Disease (CVD) Risk Factors in American Indian Adolescents: The Strong Heart Family Study**

Jessica A. Reese, Carson Willis, Univ of Oklahoma- HSC, Oklahoma City, OK; Erin Davis, Univ of Louisville, Louisville, KY; Jennifer D. Peck, Univ of Oklahoma- HSC, Oklahoma City, OK; Amanda M Fretts, Univ of Washington, Seattle, WA; Tauqeer Ali, Univ of Oklahoma Health Scien, Oklahoma City, OK; Elisa T Lee, Univ. of Oklahoma HSC, Oklahoma City, OK; Jason G Umans, MedStar Health Res Inst, Hyattsville, MD; Ying Zhang, Univ of Oklahoma HSC, Oklahoma City, OK

**P428**
**Risk-Based Approach to Defining Prediabetes Among Middle-Aged Adults in the Atherosclerosis Risk in Communities (ARIC) Study**

Mary R Rooney, Johns Hopkins Univ, Baltimore, MD; Amelia S Wallace, JH Bloomberg Sch. of Public Health, Baltimore, MD; Justin B Echouffo, Johns Hopkins Hosp, Baltimore, MD; Joe Coresh, Johns Hopkins SPH Welch Ctr, Baltimore, MD; Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD

**P429**
**Coffee Intake is Associated With Enhanced Insulin Sensitivity, Lower Post-Load Glucose Responses, and Lower Truncal Adiposity**

Magdalena Sevilla-Gonzalez, Massachusetts General Hosp, Cambridge, MA; Deirdre K Tobias, Brigham and Womens and Harvard Med, Boston, MA; Meryl LeBoff, Olga Demler, Brigham and Womens Hosp, Boston, MA; Aruna D Pradhan, Brigham and Womens Hosp, Newton, MA; Samia Mora, I-Min Lee, Brigham and Womens Hosp, Boston, MA; Julie Buring, Brigham and Womens Hosp, Newton, MA; JoAnn Manson, Jun Li, Brigham and Womens Hosp, Boston, MA

**P430**
**Waist Circumference is a Key Predictor of Beta-Cell Function in Lean Rwandans With New-Onset Type 2 Diabetes Mellitus**
Heparin-Warfarin Administered for Pulmonary Vein Thrombi Partially Dissolves Thrombi and Ameliorates Mild to Moderate Type 2 Diabetes Mellitus

Hidekazu Takeuchi, Takeuchi Naika Clinic, Ogachigun, Japan

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

Ben T Varghese, Mayo Clinic, Rochester, MN; Marlene E Girardo, Elena De Filippis, Mayo Clinic, Scottsdale, AZ; Adrian Vella, Kent R Bailey, Sagar B Dugani, Mayo Clinic, Rochester, MN

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

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

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

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

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

Yilin Yoshida, Zhipeng Chen, Tulane Univ, New Orleans, LA; Vivian A Fonseca, Tulane Univ Health Sci Ctr, New Orleans, LA

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

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

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

Ruolin Zhang, Xiong Ding, Huiyuan Zhou, Xian Zhang, Global Health Res Ctr, Duke Kunshan Univ, Kunshan, Jiangsu, China; Zhengting He, Dept of Epidemiology, Bloomberg Sch of Public Health, Johns Hopkins Univ, Baltimore, MD; Lijing L Yan, Global Health Res Ctr, Duke Kunshan Univ, Kunshan, Jiangsu, China
P03.05 Drugs, Alcohol and Tobacco Use

P439
Atherosclerotic Cardiovascular Risk Factor Burden Among Marijuana Users in the US Population
Anas Abed, Adam Koraym, Giovanna Zampierollo-Jaramillo, Amir Forati, Matthew C Tattersall, UW Health: Univ of Wisconsin Hosp and Clinics, Madison, WI

P440
Antagonism of Thromboxane-Prostanoid Receptor Attenuates Alcohol-Induced Myocardial Inflammation
Weilun Ai, Dept of Internal Med, Div of Diabetes, Endocrinology, and Metabolism, Univ of Nebraska Medical Ctr and VA Nebraska-Western Iowa Health Care System, Omaha, NE; Carol Casey, Dept of Internal Med, Div of Gastroenterology and Hepatology, Univ of Nebraska Medical Ctr and VA Nebraska-Western Iowa Health Care System, Omaha, NE; Paras Kumar Mishra, Dept of Cellular and Integrative Physiology, Univ of Nebraska Medical Ctr, Omaha, NE; Viswanathan Saraswathi, Dept of Internal Med, Div of Diabetes, Endocrinology, and Metabolism, Univ of Nebraska Medical Ctr and VA Nebraska-Western Iowa Health Care System, Omaha, NE

P441
Alcohol Consumption and Incident Heart Failure, Ischemic Heart Disease and Atrial Fibrillation Among Current Drinkers: The All of Us Research Program
Yakubu Bene-Alhasan, Albert Danso Osei, Samuel Mensah, Ejaz Mishal, Ted Akhiwu, Yvette Yeboah-Kordieh, Medstar Health, Baltimore, MD; Luc Djousse, BWH and Harvard Med Sch, Boston, MA; Ken J Mukamal, Beth Israel Deaconess Medical Ctr, Brookline, MA

P442
Secondhand Smoking Associated With Sleep Apnea Risk Score
Suzanne B. Gorovoy, Univ of Arizona Coll of Med, Tucson, AZ; Freda Patterson, Univ of Delaware, Newark, DE; Michael A Grandner, Elizabeth Connick, Univ of Arizona Coll of Med, Tucson, AZ

P443
Alcohol Use Prevalence Among US Born and Foreign-Born Black Adults in the 2010 to 2018 National Health Interview Survey
Kimesha Grant, Johns Hopkins Univ Sch of Nursing, Baltimore, MD; Ruth-Alma N Turkson-Ocran, Beth Israel Deaconess Medical Ctr, Boston, MA; Oluwabunmi V Ogunbade, Johns Hopkins Univ, Baltimore, MD; Faith Metlock, Johns Hopkins Univ, North Bethesda, MD; Yvonne Commodore-Mensah, Johns Hopkins Univ Sch of Nursing, Elkridge, MD; Diana Baptiste, Johns Hopkins Univ Sch of Nursing, Baltimore, MD

P444
Pre-Pregnancy Substance Use and First Trimester Cardiovascular Health Among Nulliparous Pregnant People: The nuMoM2b Study
Elly M Marshall, Ruchi Bhandari, West Virginia Univ, Morgantown, WV; Robert M Silver, Univ of Utah, Salt Lake City, UT; Janet Catov, Univ of Pittsburgh, Pittsburgh, PA; David M Haas, Indiana Univ Sch of Med, Indianapolis, IN; Amna Umer, Bethany Barone Gibbs, West Virginia Univ, Morgantown, WV
P03.06 Health Equity and Social Justice

P445
Associations of Homeownership and Overcrowding Conditions With Cardiovascular Health Among Diverse U.S. Children and Adults
Liliana Aguayo, Nicole Fields, Emory Univ, Atlanta, GA

P446
Community-Engaged Strategies for Recruitment of Black Men at Risk for Hypertension: The CLIP Study

P447
Heart Disease Health Disparities Among Native Hawaiian and Pacific Islander Communities in the United States: A Systematic Review
Lan N Doan, Michelle Murata, NYU Grossman Sch of Med, New York, NY; Raynald Albert Samoa, City of Hope Medical Ctr, Duarte, CA; Erinn Hade, NYU Grossman Sch of Med, New York, NY; Stella S Yi, NYU Grossman Sch of, New York, NY

P448
Urban Trail Infrastructure and Physical Activity Levels: A Systematic Review and Meta-Analysis of Natural Experiments

P449
Closing the Gender Gap in Bystander Cardiopulmonary Resuscitation: Unveiling Disparities and Pathways to Equal Lifesaving
Jynx Frederick, Resilient Public Health Services, Bishop, CA

P450
Assessing Admission Risk in Under-Resourced Neighborhoods: An Analysis by Race
Deekshita Behara, Univ of Pittsburgh, Pittsburgh, PA; Floyd W Thoma, UPMC Presbyterian-Shadyside, Pittsburgh, PA; Jianhui Zhu, Univ of Pittsburgh, Pittsburgh, PA; Suresh R Mulukutla, Univ of Pittsburgh Medical Ctr, Wexford, PA; Jared W Magnani, Univ of Pittsburgh, Pittsburgh, PA; Amber E Johnson, Univ of Chicago, Chicago, IL

P451
Clinical, Demographic, and Geographic Trends in Cardiovascular Causes of Deaths Associated With Homelessness
Shriya Swamy, Univ of Texas at Austin, Public Health Program, Austin, TX; Shaya Khorsandi, Univ of Houston, Tilman J Fertitta Family Coll of Med, Houston, TX; Sarina Attri, Univ of Texas at Austin, Public Health Program, Austin, TX; Renae Nichols, Univ of Texas Health Science Ctr at Houston, Sch of Public Health, Houston, TX; Ben King, Univ of Houston, Tilman J Fertitta Family Coll of Med, Houston, TX

P453
Racial Disparities in Early Use of Transcarotid Artery Revascularization Among High-Risk and Symptomatic Black and White Adults With Carotid Artery Stenosis
Katherine M McDermott, Johns Hopkins Dept of Surgery, Baltimore, MD; Sanuja Bose, Midori White, Johns Hopkins Dept of Surgery, Baltimore, MD; Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD; Caitlin W Hicks, Johns Hopkins Dept of Surgery, Baltimore, MD

Health Insurance Increases Access to Hypertension Treatment Among Venezuelan Migrants and Refugees: A Population-Based Survey in Peru
Andres Quevedo Ramirez, Dept of Med, Cook County Health, Chicago, IL; Juan Luis Quintana, Univ Peruana Cayetano Heredia, Lima, Peru; Alexandra Sueldo, Dept of Med, Cook County Health, Chicago, IL

Effects of COVID-19 Pandemic on Racial Disparities in Coronary Artery Disease Mortality: Has the Existing Gap Worsened?
Alexander V Sergeev, Ohio Univ, Athens, OH

Expanding a Pipeline to Address San Joaquin Valley Health Inequity and Social Justice
Maha Siddiqui, UC Berkeley, Tracy, CA

Sociodemographic Differences in Cardiac Device Implantation in the Atherosclerosis Risk in Communities (ARIC) Study
Vaia Sigounas, Univ of North Carolina, Chapel Hill, NC; Jason M Collins, Univ of North Carolina - CH, Chapel Hill, NC; Kurtis Anthony, UNC Chapel Hill, Chapel Hill, NC; Sophie Buchheit, James Stewart, Wayne D Rosamond, Univ of North Carolina, Chapel Hill, NC; Eric A Whitsel, UNC - Chapel Hill, Chapel Hill, NC; Eric A Whitsel, Univ of North Carolina, Chapel Hill, NC

Negative Mood is Associated With Sociobehavioral Factors Contributing to Cardiovascular Risk in an Immigrant Population
Brianna Tranby, Irene Sia, Matthew Clark, Paul Novotny, Abby Lohr, Laura Suarez Pardo, Christi Patten, Sheila Iteghete, Katherine Zeratsky, Thom Rieck, Luz Molina, Graciela Porraz, Yahye Ahmed, Hana Dirie, Mark Wieland, Mayo Clinic, Rochester, MN

P03.07 Methodology and Data Science

Data Harmonization Strategies and Results in 5 CVD Cohorts
Charles B Eaton, Brown Univ, Providence, RI; Michael J LaMonte, Univ at Buffalo - SUNY, Buffalo, NY; Mary Roberts, Kent Memorial Hosp, Warwick, RI; Mir Moafi_Mandani, Brown Univ, Providence, RI; Norrina B Allen, Northwestern Univ, Chicago, IL

Attack of the (Survey) Bots: How We Determined That Our Anonymous Survey Was Full of False Data
**P461**
Concordance of Hypoglycemia Symptoms Reported in Real-Time via Smartphone and Hypoglycemia Detected Using Continuous Glucose Monitoring (CGM) in Adults With Type 2 Diabetes

**Joseph Sartini**, Michael Fang, Johns Hopkins Univ, Baltimore, MD; Scott Mu, Rutgers New Jersey Medical Sch, Newark, NJ; Dan Wang, Casey M Rebholz, Christine M. Mitchell, Lawrence J Appel, Scott Zeger, Scott Pilla, Elizabeth Selvin, Johns Hopkins Univ, Baltimore, MD

**P462**
A Novel Framework for the Extraction and Modeling of Meal-Related Glucose Excursions Detected via Continuous Glucose Monitoring (CGM)

**Joseph Sartini**, Michael Fang, Mary R Rooney, Elizabeth Selvin, Scott Zeger, Johns Hopkins Univ, Baltimore, MD

**P03.08 Mobile Health Technology and Wearables**

**P463**
The Role of Information and Communication Technology in Cardiovascular Health: A Global Perspective

**Rohan Bhattaram**, Yusairah Basheer, Ryan Reichert, Univ of Illinois Coll of Med, Chicago, IL

**P464**
Performance of an Automated Sleep Scoring Approach for Actigraphy Data in Children and Adolescents

**Pin-Wei Chen**, Children's Hosp of Philadelphia, Philadelphia, PA; Margaret Banker, Michael Kaye, Peter X. Song, Univ of Michigan, Ann Arbor, MI; Khadija Zanna, Akane Sano, Rice Univ, Houston, TX; Alejandra Cantoral, Iberoamericana Univ, Mexico City, Mexico; Karen E. Peterson, Univ of Michigan, Ann Arbor, MI; Martha Maria Tellez-Rojo, Natl Inst of Public Health, Cuernavaca, Mexico; Christopher Cielo, Children’s Hosp of Philadelphia, Philadelphia, PA; Ariel A Williamson, The Ballmer Inst for Children's Behavioral Health, Univ of Oregon, Portland, OR; Babette Zemel, Children’s Hosp of Philadelphia, Philadelphia, PA; Jennette Palcic Moreno, Baylor Coll of Med, Houston, TX; Erica Jansen, Univ of Michigan, Ann Arbor, MI; Jonathan A. Mitchell, Children’s Hosp of Philadelphia, Philadelphia, PA

**P465**
Linking Electronic Health Record and Wearable Device Data Can Provide Insight Into Expected Changes in Captured Heart Rate Due to Medication Usage

**Keith Feldman**, Children's Mercy Kansas City, Kansas City, MO; Ray G. Duncan, An Nguyen, Galen Cook-Wiens, Joshua M. Pevnick, Cedars-Sinai Medical Ctr, Los Angeles, CA

**P466**
A Culturally Tailored mHealth Lifestyle Intervention Improves Diet and Physical Activity Self-Regulation Among African Americans

**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
P467
Patterns of Home Blood Pressure Monitoring Among Older Adults With Ischemic Heart Disease: Preliminary Analysis of the RESILIENT Trial

P468
Correlation Among A1c Improvement, Weight Reduction, and Decreased ASCVD Risk in Participants Enrolled for Type 2 Diabetes Remission: Outcomes at 1 Year From an RCCT Using Whole-Body Digital Twin Technology
Paramesh Shamanna, Bangalore Diabetes Ctr, Bangalore, India; Mala Dharmalingam, MS Ramaiah Medical Coll, Bangalore, India; Arun Vadavi, Sudha Prevention Ctr, Bangalore, India; Mohamed Thajudeen, Twin Health, Tirunelveli, India; Ashok Keshavamurthy, Suchitra Bhonsley, Twin Health, Bangalore, India; Shashank Joshi, Lilavati Hosp, Mumbai, India

P469
Ambient Weather is Associated With Sleep and Activity in Rural South
Joseph J Tejan, UMass Chan Medical Sch, Worcester, MA; Ian Barnett, UPenn, Philadelphia, PA; Arthur DeGaetano, Cornell, Ithaca, NY; Ziyue Wang, UMass Chan Medical Sch, Worcester, MA; Vik Kheterpal, CareEvolution, Ann Arbor, MI; Eric Schramm, CareEvolution, Neenah, WI; Shivani Raval, Gretchen Weaver, Matheus Montenario, Nakesha Agyapong, UMass Chan Medical Sch, Worcester, MA; Amy DeGaetano, SUNY Upstate Medical Univ, Syracuse, NY; Mayra Tisminetzky, UMass Medical Sch, Worcester, MA; Mahasin S Mujahid, UC Berkeley, Berkeley, CA; Suzanne E Judd, UAB, Birmingham, AL; Vasan S Ramachandran, UT Sch of Public Health, San Antonio, TX; David D McManus, UMMS, Worcester, MA; Apurv Soni, UMass Chan Medical Sch, Worcester, MA

P470
The Virtual Home Clinic: Feasibility and Challenges for Longitudinal Cohorts
Elaine M Urbina, Marta Russell, Erin Cain, Cincinnati Children's Hosp Medical Ctr, Cincinnati, OH; Camilo Fernandez, Lydia A Bazzano, Tulane Univ, New Orleans, LA; Jessica G Woo, CCHMC, Cincinnati, OH

P03.09 Nutrition and Diet 2

P471
Association of Food Insecurity With Premature Mortality and Life Expectancy in the United States
Hao Ma, Tulane Univ, Metairie, LA; Xuan Wang, Xiang Li, Yoriko Heianza, Tulane Univ, New Orleans, LA; Peter T Katzmarzyk, Pennington Biomedical Res Ctr, Baton Rouge, LA; Oscar Franco, Utrecht Univ, Utrecht, Netherlands Antilles; Lu Qi, Tulane Univ, New Orleans, LA

P472
Dietary Consumption of Potatoes and Incidence of Cardiovascular Disease
Hasan M Mahbub, VA Boston Healthcare, BWH and Harvard Medical Sch, Boston, MA; JoAnn E Manson, Brigham and Women's Hosp, Boston, MA; Julia E Buring, Harvard Medical Sch, Boston, MA; Eunjung Kim, Brigham and Women's Hosp, Boston, MA; I-min M Lee, Harvard Medical Sch, Boston, MA; Howard D Sesso, Brigham Womens Hosp, Boston, MA; Michael Gaziano, VA Boston Healthcare, BWH and Harvard Medical Sch, Boston, MA; Luc Djousse, BWH and Harvard Med Sch, Boston, MA

P473
WIC-Tailored, Pre-Filled Online Shopping Carts Influence WIC Food Benefit Redemption
Yarisbel Melo Herrera, Univ of Rhode Island, Kingston, RI; Maya Vadiveloo, Univ Rhode Island, Kiston, RI; Brietta M Oaks, Nekehia T Quashie, Univ of Rhode Island, Kingston, RI; Sarah Blau, Alison Tovar, Brown Univ Sch of Public Health, Providence, RI

P474
Association Between Dietary Patterns and Incident Hypertension in Regards (REasons for Geographic And Regional Differences in Stroke) Participants
Kara F Morton, The Univ of Alabama at Birmingham, Birmingham, AL; Timothy B Plante, Univ of Vermont, Colchester, VT; Vera A Bittner, The Univ of Alabama at Birmingham, Birmingham, AL; Kim A Williams Sr., Univ of Louisville Med, Louisville, KY; Stephen Clarkson, Hely Nanavati, Suzanne E Judd, The Univ of Alabama at Birmingham, Birmingham, AL

P475
Adherence to the EAT-Lancet Planetary Health Diet and Cardiometabolic Risk Markers in the Mediators of Atherosclerosis in South Asians Living in America (MASALA) Study

P476
Changes in Olive Oil Consumption and Weight Changes in US Men and Women

P477
Motivations and Barriers to Consuming a Plant-Based Diet: The EAT Plants 1 Study
Casey M Rebholz, Jiaqi Yang, Audrey Ting, Johns Hopkins Univ, Baltimore, MD; Lauren Bernard, Univ of Maryland, Baltimore, MD; Valerie K Sullivan, Johns Hopkins Univ, Baltimore, MD

P478
Short-Term Voluntary Exercise Significantly Influences the Diet-Induced Changes in Cecal Microbial Content in Male Mice

P479
Whole Grain and Refined Grain Intake and Associations With Adiposity, Inflammation, and Incident Type 2 Diabetes Among Adults of South Asian Ancestry in the MASALA Cohort
Caleigh M. Sawicki, BWH, Harvard Medical Sch, Boston, MA; Alka M Kanaya, UCSF, San Francisco, CA; Namratha Kandula, Northwestern Univ, Chicago, IL; Meghana Gadgil, UCSF, San Francisco, CA; Shilpa N. Bhupathiraju, Brigham and Women’s Hosp and Harvard Medical Sch, Harvard Sch of Public Health, Boston, MA

P480
Digesting Detention: Investigating Eating Patterns in Jails
Elizabeth Schmitter, Northern Arizona Univ, Flagstaff, AZ; Ricky L Camplain, Indiana Univ, Bloomington, IN; Nicolette Teufel-Shone, Sara J Shuman, Javier Lopez Jr, Northern Arizona Univ, Flagstaff, AZ

P481
Diet Significantly Influences the Gastrointestinal Microbial Content in Male Mice Fed a Commercially Available Probiotic Supplement

P482
Associations Between Determinates of Food Choice and Healthy Eating Index-2015 in Adults: An NHANES 2017 - 2018 Analysis
Kayla E Tate, Pennsylvania State Univ, State College, PA; Kristina Petersen, Penn State Univ, University Park, PA

P483
Food Purchase Priorities and Healthy Food Purchase Supports and Barriers for U.S. General and Low-Income Consumers: A Quantitative Survey
Kayla E Tate, The Pennsylvania State Univ, University Park, PA; Angel Bassett, Shelley Johnson, American Heart Association, Dallas, TX; Kristina Petersen, Penn State Univ, University Park, PA; Cheryl D Toner, American Heart Association, Dallas, TX

P484
Systematic Review and Meta-Analysis of Cardiometabolic Effects of Trans Fatty Acids From Dairy Foods
Moises Torres-Gonzalez, Natl Dairy Council, Rosemont, IL; Constance Boyer, Fanny Tenenhaus-Aziza, Ctr Natl Interprofessionnel de l'Economie Laitière (CNIEL), Paris, France; Ian Givens, Inst for Food, Nutrition & Health, Univ of Reading, Reading, United Kingdom; Cindy Schweitzer, Schweitzer Consulting LLC, Mount Prospect, IL

P485
Exercise Influences Metabolic Parameters and Expression of Markers of Endoplasmic Reticulum Stress in a Diet-Dependent Manner
McClain Vail, Liberty Univ Coll of Osteopathic Med, Lynchburg, VA; Austin Le Vey, Liberty Univ Coll of Osteopathic Med, Lynchburg, VA; Thuy-Linh Nguyen, Aaron Rodriguez,
P486
Dietary Acculturation is Associated With Altered Gut Microbiome, Circulating Metabolites, and Cardiovascular Disease Risk in US Hispanics/ Latinos: Results From the Hispanic Community Health Study/Study of Latinos
Yi Wang, Albert Einstein Coll of Med, Bronx, NY; Guochong Chen, Suzhou Medical Coll of Soochow Univ, Suzhou, China; Zheng Wang, Albert Einstein Coll of Med, Bronx, NY; Amanda C McClain, San Diego State Univ, San Diego, CA; Marta M. Jankowska, City of Hope, Duarte, CA; Krista perreira, Univ of North Carolina Sch, Chapel Hill, NC; Josiemer Mattei, Harvard Chan Sch Public Health, Boston, MA; Carmen R Isasi, Albert Einstein Coll Med, Bronx, NY; Maria Llabre, Univ of Miami, Coral Gables, FL; Bharat Thyagarajan, Univ of Minnesota Medical Sch, Minneapolis, MN; Martha L Daviglus, Univ Illinois Chicago, Chicago, IL; Linda Van Horn, Northwestern Univ Medical Sch, Chicago, IL; David Goldsztajn Farelo, Boston Public Health Commission, Boston, MA; Luis E Maldonado, Univ of Southern California, Los Angeles, CA; Steven R Levine, Suny Downstate Health Sciences Univ, Brooklyn, NY; Bing Yu, Univ of TX Health Sci Ctr Houston, Houston, TX; Eric Boerwinkle, UTH Health, Houston, TX; Rob Knight, UC San Diego, San Diego, CA; Robert Burk, Robert Kaplan, Qibin Qi, Brandilyn Peters-Samuelson, Albert Einstein Coll of Med, Bronx, NY

P488
Diet Significantly Alters Metabolic Gene Expression Associated With Probiotic Administration in Mice
Jonathan Westlake, Brian Kagel, Nathan Lichti, Shreya Singh, Jeffrey Houghton, Joseph Gigliotti, Liberty Univ, Lynchburg, VA

P489
Intake of Fiber-Rich Foods is Favorably Associated With Cardiac Structure and Function: The Coronary Artery Risk Development in Young Adults (CARDIA) Study
So-Yun Yi, Lyn M Steffen, Daniel Duprez, Weihua Guan, Kamakshi Lakshminarayan, David R Jacobs Jr., Univ of Minnesota, Minneapolis, MN

P03.10 Omics (Genetic)

P490
The Oral Microbiome and Prospective Risks of All-Cause and Cardiometabolic Mortality: The National Health and Nutrition Examination Survey
Hamdi S Adam, Univ of Minnesota, Minneapolis, MN; Ryan Demmer, Mayo Clinic, Rochester, MN; Jim S Pankow, Univ Minnesota, Minneapolis, MN

P491
Functional Annotations for Improvements in Height and Blood Pressure Polygenic Risk Scores
Nicole D. Armstrong, Vinodh Srinivasasainagendra, Univ of Alabama at Birmingham, Birmingham, AL; Amit Patki, UAB, Birmingham, AL; Akhil Pampana, Brittney Davis, Naman Shetty, Alana Jones, Univ of Alabama at Birmingham, Birmingham, AL; Ulrich Broeckel, Medical Coll of Wisconsin, Milwaukee, WI; Leslie Lange, Univ of Colorado, Aurora, CO; Pankaj Arora, Univ of Alabama at Birmingham, Birmingham, AL; Nita Limdi, Univ Alabama Birmingham, Birmingham, AL; Hemant K Tiwari, Univ of Alabama at Birmingham, Birmingham, AL; Ryan M Irvin, Univ Alabama Birmingham, Birmingham, AL
Polygenic Risk for Obesity and Race Modify the Effect of a Low Fat Dietary Clinical Trial on Weight Loss

Harold H. Lee, Pennsylvania State Univ, State College, PA; Christy L Avery, Univ N Carolina, Chapel Hill, NC; Mariaelisa Graff, Daeun Kim, UNC-Chapel Hill, Chapel Hill, NC; Linda Van Horn, Northwestern Univ Medical Sch, Chicago, IL; Charles Kooperberg, Fred Hutchinson Cancer Ctr, Seattle, WA; Kari E North, UNC Chapel Hill, Chapel Hill, NC

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

Douglas McLaurin, Philip Turk, Univ of Mississippi Medical Ctr, Jackson, MS; Olivia Affuso, Council on Black Health, Winston-Salem, NC; Elizabeth Heitman, Univ of Texas Southwestern, Dallas, TX; Laura M Raffield, Univ of North Carolina at Chapel Hill, Chapel Hill, NC

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

Kenneth E Westerman, Massachusetts General Hosp, Boston, MA; Chirag Patel, Harvard Medical Sch, Boston, MA; James Meigs, Alisa Manning, Massachusetts General Hosp, Boston, MA

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

Bruno Bohn, Univ of Colorado Anschutz, LEAD Ctr, Aurora, CO; Myriam Doyon, CRCHUS, Sherbrooke, QC, Canada; Luigi Bouchard, Ctr de Recherche du Ctr Hospier Univire de Sherbrooke, Chicoutimi, QC, Canada; Patrice Perron, Univ de Sherbrooke, Sherbrooke, QC, Canada; Renee Guerin, CIUSSS Saguenay Lac St-Jean, Chicoutimi, QC, Canada; Eric Masse, Univ de Sherbrooke, Sherbrooke, QC, Canada; Marie-France Hivert, Harvard Pilgrim Health Care Inst, Boston, MA; Noel T Mueller, Univ of Colorado Anschutz, LEAD Ctr, Aurora, CO

Proteomic BMI Signature and Incidence of Type 2 Diabetes

Xuan Wang, Tulane Univ, New Orleans, LA; Hao Ma, Tulane Univ, Metairie, LA; Xiang Li, Yoriko Heianza, Lu Qi, Tulane Univ, New Orleans, LA

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

Different Metabolomic Associations With Mediterranean Style Diet (MSD) Scores Between Individuals With Normoglycemia vs. Impaired Fasting Glucose (IFG) in the Multi-Ethnic Study of Atherosclerosis Transomic Precision Medicine Initiative (MESA-TOPMed) Data

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

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

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

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

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

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

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

Syphilis Infection and Increased Odds of Cardiovascular Morbidity

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

Dietary Nitrate Supplementation With Beet Juice Reduces Blood Pressure: A Systematic Review and Meta-Analysis of Randomized Controlled Trials
P505
Investigating Sudden Death in a Large North Carolina County: Methods and Findings of a Population-Based Registry

Gabriella Day, Div of Cardiology, Univ of North Carolina Sch of Med, Chapel Hill, NC; Thibaut Davy-Mendez, Dept of Epidemiology, Gillings Sch of Global Public Health, Chapel Hill, NC; Rebecca Elisabeth Beyer, Charite, Berlin, Germany; Susan Keen, Heart and Vascular Inst, Univ of Pittsburgh Medical Ctr, Pittsburgh, PA; Golsa Joodi, UNC Heart and Vascular, Chapel Hill, NC; Andrew Cesmat, Alia Capone, Univ of North Carolina Sch of Med, Chapel Hill, NC; Jefferson Williams, Wake County Emergency Medical Services, Raleigh, NC; Ross J Simpson Jr., Div of Cardiology, Univ of North Carolina Sch of Med, Chapel Hill, NC

P506
Multifactorial Risk Control in Atherosclerotic Cardiovascular Disease Among Patients With Type 2 Diabetes Mellitus: Findings From the UK Biobank

Wenjun Fan, Luohua Jiang, Shaista Malik, Nathan D Wong, Univ of California, Irvine, Irvine, CA

P507
Adherence to Pediatric Screening Guidelines for Cardiovascular Risk Factors in a Diverse Cohort of Children in Chicago

Abigail Gauen, Yaojie Wang, Northwestern Univ, Chicago, IL; Amanda M Perak, Matthew Davis, Lurie Children's Hosp of Chicago, Chicago, IL; Marc Rosenman, Donald M Lloyd-Jones, Rachel Zmora, Norrina B Allen, Lucia Petito, Northwestern Univ, Chicago, IL

P508
Comparisons of Cardiovascular Health in US Adults by Chronic Disease Status: National Health and Nutrition Examination Survey (NHANES), 2013-2018

James W Guo, Hongyan Ning, Donald M Lloyd-Jones, Northwestern Univ, Chicago, IL

P510
Trends in Statin Therapy for Primary Prevention Among Older Veterans, 2003-2020

Hasan M Mahbub, VA Boston Healthcare, BWH and Harvard Medical Sch, Boston, MA; Helen Wellman, Veterans Health Admin, Chelmsford, MA; Kelly Cho, David Gagnon, VA Boston Healthcare System, Boston, MA; Michael Gaziano, VA Boston Healthcare, BWH and Harvard Medical Sch, Boston, MA; Luc Djousse, BWH and Harvard Med Sch, Boston, MA; Ariela Orkaby, Saadia Qazi, VA Boston Healthcare, BWH and Harvard Medical Sch, Boston, MA

P511
Trajectories of Modifiable Risk Factors, Cardiac Function and Incident Heart Failure in the Atherosclerosis Risk in Communities (ARIC) Cohort
Ngoc Quynh H Nguyen, Ruosha Li, Univ of Texas Health Science Ctr Sch of Public Health, Houston, TX; Patricia Chang, Univ of North Carolina, Chapel Hill, NC; Amil M Shah, UT Southwestern Medical Ctr, Dallas, TX; Bing Yu, Univ of Texas Health Science Ctr Sch of Public Health, Houston, TX

P512
Associations of Serum Insulin-Like Growth Factor (IGF)-1 Levels With Cognitive Function and Atherosclerosis in a Japanese General Population: The Tanushimaru Study
Yume Nohara-Shitama, Kurume Univ, Kurume, Japan; Harumi Yoshimura, Kurume Univ, Fukuoka, Japan; Morikawa Nagisa, Kurume Univ, Kurume, Japan; Ako Fukami, Kurume Univ, Kurume, Fukuoka, Japan; Mika Enomoto, Japan Kurume Univ Sch of Med, Kurume, Japan; Hisashi Adachi, Yoshihiro Fukumoto, Kurume Univ, Kurume, Japan

P513
Coronary Artery Calcium Burden in Rural Alabama: Initial Findings From the Risk Underlying Rural Areas Longitudinal Cohort Study
Alexander C Razavi, Emory Univ, Atlanta, GA; Ramachandran S. Vasan, Univ of Texas at San Antonio, San Antonio, TX; Edwin van den Heuvel, Eindhoven Univ of Technology, Eindhoven, Netherlands; Seamus P Whelton, Omar Dzaye, Johns Hopkins Ciccarone Ctr for the Prevention of Cardiovascular Disease, Baltimore, MD; Mahasin S Mujahid, UC Berkeley, Berkeley, CA; Tene T Lewis, Emory Univ, Atlanta, GA; Suzanne E Judd, UAB, Birmingham, AL; Jerome I Rotter, The Lundquist Inst, Torrance, CA; Marly van Assen, Carlo N. De Cecco, Arshed A Quyyumi, Emory Univ, Atlanta, GA; Michael J Blaha, Johns Hopkins Ciccarone Ctr for the Prevention of Cardiovascular Disease, Baltimore, MD; Laurence Sperling, Emory Univ, Atlanta, GA; Matthew J Budoff, Lundquist Inst, Torrance, CA; Viola Vaccarino, Emory Univ, Atlanta, GA

P514
Association Between Glycemic Disorder and Acute Coronary Syndrome Among Patients With Stable Coronary Artery Disease: A Propensity Score Matching Analysis
Chen Sheng, Harvard T.H. Chan Sch of Public Health, Cambridge, MA; Liwen Bao, Huashan Hosp of Fudan Univ, Shanghai, China

P515
Multimorbidity in Rural Alabama: Rural Heart and Lung Study
Mayra Tisminetzky, Univ Massachusetts, Worcester, MA; Sara Platz, Univ of Texas at San Antonio, San Antonio, TX; Mathews Montenarh, UMass Chan Medical Sch, Worcester, MA; Ritika Revoori, Paula Anenberg, Univ Massachusetts, Worcester, MA; Ziyue Wang, University of Massachusetts, Worcester, MA; Nakesha Agyapong, Univ Massachusetts, Worcester, MA; Apurv Soni, University of Massachusetts, Worcester, MA; Edwin van den Heuvel, Eindhoven Univ of Technology, Eindhoven, Netherlands; Joseph Tejan, Univ of Massachusetts, Worcester, MA; Suzanne E Judd, UAB, Birmingham, AL; Ramachandran Vasan, Univ of Texas at San Antonio, San Antonio, TX; David D McManus, UMMS, Worcester, MA

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

P517
**Age-Stratified Prevalence of Cardiovascular Risk Factors Among Asian American Subgroups**

**Prasantha L Vemu**, Dept of Med, Univ of Washington Sch of Med, Seattle, WA; Tali Elfassy, Univ of Miami, Miami, FL; Eugene Yang, Univ of Washington, Seattle, WA

**P03.14 Sleep Behavior and Sleep Disorders**

**P520**

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

**Michael A Grandner**, Suzanne Gorovoy, Kathryn Kennedy, Dora Valencia, Elizabeth Rasmussen, Univ of Arizona, Tucson, AZ; Elliot Rosenberg, Ministry of Health, Jerusalem, Israel

**P521**

**Sleep Timing and Duration in Relation to DNA Methylation in Adolescents: An Epigenome-Wide Analysis**

Jennifer Lee, Jaclyn Goodrich, Univ of Michigan, Ann Arbor, MI; Dana Dolinoy, Univ of Michigan Sch, Ann Arbor, MI; Helen Burgess, Ronald Chervin, Karen Peterson, Louise O’Brien, Univ of Michigan, Ann Arbor, MI; Martha Maria Tellez-Rojo, Insto Nacional de Salud Publica, Mexico City, Mexico; ALEJANDRA CANTORAL, Iberoamericana Univ, Mexico City, Mexico; Libni Olascoaga-Torres, Insto Nacional de Salud Mexico, Mexico City, Mexico; Peter Song, **Erica Jansen**, Univ of Michigan, Ann Arbor, MI

**P522**

**Racial Differences in Sleep Health in Middle-Aged Adults**

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

**P523**

**Circulating Endothelial-Cell Derived Microvesicles Associated With Insufficient Sleep Impairs Cerebral Microvascular Fibrinolytic Capacity**

**Samuel T. Ruzzene**, University of Colorado Boulder, Boulder, CO; Vinicius P. Garcia, Univ of Colorado Boulder, Boulder, CO; Auburn R. Berry, Emily I. Ostrander, Kendra N. Wegerson, Hannah L. Cardenas, University of Colorado Boulder, Boulder, CO; Jared J. Greiner, Univ of Colorado, Boulder, CO; Brian L. Stauffer, CU Anschutz, Denver, CO; Christopher A. Desouza, Univ of Colorado Boulder, Boulder, CO

**P524**

**Prolonged Mild Sleep Restriction Results in Specific Alterations in Genome-Wide DNA Methylation: A Randomized Crossover Trial**

Rocio Barragan, Univ of Valencia, Valencia, Spain; Oscar Coltell, Insto de Salud Carlos III, Madrid, Spain; Christian Dye, Bin Cheng, Lawrence Honig, Columbia Univ, New York, NY; Dolores Corella, Valencia Univ and Ciberobn, Valencia, Spain; **Marie-Pierre St-Onge**, Columbia Univ, New York, NY

**P525**
Polygenic Risk Scores for Morning Chronotype and Longer Sleep Duration Are Associated With Weight and Glycemic Outcomes in the Multi-Ethnic Study of Atherosclerosis (MESA)
Rocio Barragan, Univ of Valencia, Valencia, Spain; Danielle Wallace, Harvard Univ, Boston, MA; Bin Cheng, Columbia Univ, New York, NY; Tamar Sofer, Beth Israel Deaconess Medical Cente, Boston, MA; CAROLINA ORTEGA, Univ of Valencia, Valencia, Spain; Xiuqing Guo, The Lundquist Inst at Harbor-U, Torrance, CA; Jerome I Rotter, The Lundquist Inst, Torrance, CA; Steven Shea, Columbia Univ, New York, NY; Susan Redline, Brigham and Women's Hosp, Boston, MA; Dolores Corella, Valencia Univ and Ciberobn, Valencia, Spain; Marie-Pierre St-Onge, Columbia Univ, New York, NY

P526
Association of Hemoglobin A1c With Sleep Duration in Non-Diabetic Population
Ekamol Tantisattamo, American Heart Association Comprehensive Hypertension Ctr at the Univ of California Irvine Medical Ctr, Div of Nephrology, Hypertension and Kidney Transplantation, Dept of Med, Univ of California Irvine Sch of Med, Orange, CA; Wanprapat Ratchaburi, Rayong, Thailand; Urairat Chuenchaem, Bumrungrad Intl Hosp, Bangkok, Thailand; Nisha Wanichwecharungruang, Central Chest Inst of Thailand, Bangkok, Thailand; Narathorn Kulthamrongsi, Dept of Pharmacology, Faculty of Med Siriraj Hosp, Mahidol Univ, Bangkok, Thailand; Narisara Tribuddharat, Chetsamian Hosp, Ratchaburi, Thailand; Thitiphan Srikulmontri, Siriraj Health Science Education Excellence Ctr, Education Dept, Faculty of Med Siriraj Hosp, Mahidol Univ, Bangkok, Thailand; Thanathip Suenghataiphorn, Faculty of Med Siriraj Hosp, Mahidol Univ, Bangkok, Thailand; Chanokporn Puchongmart, Dept of Emergency Med, Banphea General Hosp, Samut Sakhon, Thailand; Ben Thiravetyan, Dept of Immunology, Faculty of Med Siriraj Hosp, Mahidol Univ, Bangkok, Thailand; Piengpitch Naunsilp, Faculty of Med, Khon Kaen Univ, Khon Kaen, Thailand; Possawat Vutthikraivit, Phramongkutklao Coll of Med, Mahidol Univ, Bangkok, Thailand; Jaiyuan Wang, Alan Bao, Bahaar Ghaffarian, Young Ha, Andrea Yanez, Univ of California Irvine, Irvine, CA; Michael Au, Kaiser Permanente Bernard J. Tyson Sch of Med, Pasadena, CA; Manasawee Tanariyakul, Univ of Hawaii Internal Med Residency Program, Univ of Hawaii John A. Burns Sch of Med, Honolulu, HI; Phuwwadith Wattanachayakul, Albert Einstein Medical Ctr, Philadelphia, PA; Kamonluk Rodsom, Dept of Med, Faculty of Med, Siriraj Hosp, Mahidol Univ, Bangkok, Thailand; Irin Jariyayothin, Nephrology Div, Police General Hosp, Bangkok, Thailand

P527
Acculturation and Family History Are Associated With Sleep Disturbances in US Americans of South Asian Origin
Krish Vasudev, Eshaan Vasudev, Univ Sch of Milwaukee, Milwaukee, WI; Lisa Yanek, Dhananjay Vaidya, Johns Hopkins Univ, Baltimore, MD

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

P03.15 Subclinical Cardiovascular Disease

P529
Ideal Cardiovascular Health May Mitigate Age-Related Increases in Subclinical Myocardial Damage in US Adults
**P531**

**Contralateral Differences in Ankle Systolic Blood Pressure and Pulse Wave Velocity: Associations With Incident Heart Failure and Mortality**

*Daniela Charry*, The Univ of Texas at Austin, Austin, TX; *Jing Xu*, Univ of North Florida, Jacksonville, FL; *Michelle L Meyer*, Anna Kucharska-Newton, Univ of North Carolina, Chapel Hill, NC; *Kunihiro Matsushita*, Johns Hopkins Univ, Baltimore, MD; *Hirofumi Tanaka*, The Univ of Texas at Austin, Austin, TX

**P532**

**Association of Subclinical Atherosclerosis With Cardiac Structure and Function in the Rural Cohort Study**

*Bradley P Deere*, Univ of Mississippi Medical Ctr, Jackson, MS; *Michelle Kelsey*, Duke Univ, Durham, NC; *William B Hillegass*, Univ of Mississippi Medical Ctr, Jackson, MS; *Suzanne E Judd*, UAB, Birmingham, AL; *Vasan S Ramachandran*, UT Sch of Public Health, San Antonio, TX; *Matthew J Budoff*, Lundquist Inst, Torrance, CA; *Gerald S Bloomfield*, Duke Univ, Durham, NC; *Ervin R Fox*, Univ of Mississippi Medical Ctr, Jackson, MS

**P533**

**Association Between Cardiovascular Health and Carotid Arterial Ultrasound Markers Among Young Adults Using AHA’s “Life’s Essential 8” Metrics**

*Fangqi Guo*, Xinci Chen, Howland Steve, Luis E Maldonado, W. James Gauderman, Rob McConnell, Mingzhu Yan, Lora Whitfield, Yanjie Li, Carrie V Breton, Theresa Bastain, Univ of Southern California, Los Angeles, CA; *Howard N Hodis*, Univ Southern California, Los Angeles, CA; *Shohreh Farzan*, Univ of Southern California, Los Angeles, CA

**P534**

**Sex Differences in Left Ventricular Diastolic Function and Cognitive Performance in Midlife: Evidence From the Bogalusa Heart Study**

*XUANYI JIN*, Tulane Univ, New Orleans, LA; *Tasneem Z Naqvi*, Mayo Clinic, Scottsdale, AZ; *Ileana De Anda-Duran*, Yajun Guo, Tulane Univ, New Orleans, LA; *Camilo Fernandez Alonso*, Tulane Univ Health Sciences Ctr, New Orleans, LA; *Katherine T Mills*, Jiang He, Tulane Univ, New Orleans, LA; *Elaine M Urbina*, Cincinnati Childern's Hosp, Cincinnati, OH; *Jing Chen*, Tulane Sch of Public Health, New Orleans, LA; *Lydia A Bazzano*, Tulane Univ, New Orleans, LA

**P535**

**Correlates of Cardiac Structure and Function in African-Ancestry Adults in the Caribbean: The Tobago Heart Study**

*Rain Katz*, Univ of Pittsburgh Sch of Public Health, Pittsburgh, PA; *Deepak K Gupta*, Vanderbilt Univ Medical Ctr, Nashville, TN; *Ravinder Reddy Mallugari*, Vanderbilt Univ Medical Ctr, Nashville, TN; *Clifford Thomas*, Iovank Gonzalez, Premier Heart Care Ltd, Port of Spain, Trinidad and Tobago; *Ryan Cvejkus*, Univ of Pittsburgh Sch of Public Health, Pittsburgh, PA; *Victor Wheeler*, Tobago Health Studies Office, Scarborough, Trinidad and Tobago; *Iva Miljkovic*, Allison L Kuipers, Univ of Pittsburgh Sch of Public Health, Pittsburgh, PA
The Association of Adipokines With Cardiac Structure and Function Among Older Adults Without Clinical Cardiovascular Disease

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

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

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

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

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

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

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

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

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

MPS10 Lipids and Lipoproteins

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

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

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

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

A Randomized Placebo-Controlled Trial of Pitavastatin Calcium to Treat Combined Dyslipidemia of Obesity in Adolescents - The Pediatric Heart Network Dyslipidemia of Obesity Intervention in Teens (Do It!) Trial
Brian W McCrindle, The Hosp for Sick Children, Toronto, ON, Canada; Silva Arslanian, UPMC Children's Hosp of Pgh, Pittsburgh, PA; Michele Mietus-Snyder, Childrens Natl Hosp, Washington, DC; Elaine M Urbina, Cincinnati Children's Hosp Medical Ctr, Cincinnati, OH; Adam Ware, Univ of Utah, Salt Lake Cty, UT; Jessica E Teng, Felicia Trachtenberg, Carelon Res, Newton, MA; Mark Russell, CS Mott Children's Hosp, Ann Arbor, MI; Amy S Shah, Cincinnati Childrens Hosp, Cincinnati, OH; Mark Cartoski, Nemours AI Dupont, Wilmington, DE; Julie A Brothers, Childrens Hosp of Philadelphia, Philadelphia, PA; Christine San Giovanni, Medical Univ of South Carolina, Charleston, SC; Justin Zachariah, Texas Children's Hosp-BCM, Houston, TX; Sandra Pena, Baylor Coll of Med, Houston, TX; William T Mahle, Children's Healthcare of Atlanta, Atlanta, GA; Amy Peterson, Univ of Wisconsin, Madison, WI; Sheela Magge, Johns Hopkins Medical Insts, Baltimore, MD; Geetha Raghuveer, Childrens Mercy Hosp, Kansas City, MO; Binu Sharma, Carelon Res, Gaithersburg, MD; Valiantsina Kazlova, Carelon Res, Mission Viejo, CA; Craig A Sponseller, Kowa
MP61
Independent, Joint-Aerobic, and Dose-Response Associations of Resistance Exercise With Cardiovascular Disease Mortality: A Living Meta-Analysis
Daniel J. McDonough, Lianne K. Siegel, Univ of Minnesota, Minneapolis, MN; Brian T Steffen, Univ of Minnesota, Lakeville, MN; Kelley P Gabriel, Univ of Alabama at Birmingham, Birmingham, AL; Mark A Pereira, Univ Minnesota, Minneapolis, MN

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

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

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

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

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

MPS12 Global Health
Moderator:
Camille Lassale, PhD

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

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

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

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

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

MPS13 Environmental Exposures
Moderator:
Clara Sears, PhD
The Association of Urinary Metals With Cardiovascular Disease Incidence and All-Cause Mortality in the Multi-Ethnic Study of Atherosclerosis (MESA)

Ambient Temperature and Blood Pressure Are Associated in the Jackson Heart Study
Annabel X. Tan, Andrew Y Chang, Stanford Univ, Stanford, CA; Daichi Shimbo, Columbia Univ, New York, NY; Adam P Bress, Univ of Utah, Salt Lake City, UT; Mario Sims, Univ of California, Riverside, Corona, CA; Michelle C Odden, Stanford Univ, Palo Alto, CA

Long-Term Combined Air Pollutant Exposure and Atrial Fibrillation Risk
Bigina N Ginos, Trudy Voortman, Maryam Kavousi, Dept of Epidemiology, Erasmus MC, Univ Medical Ctr, Rotterdam, Netherlands

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

Both Racial/Ethnic Residential Segregation and Exposure to Outdoor Artificial Light at Night May Impact Cardiovascular Health but Perhaps Not Through Self-Reported Sleep
Symielle Gaston, Natl Inst of Environmental Health Sciences, Research Triangle Park, NC; Jesse Wilkerson, Nat MacNell, W. Braxton Jackson II, Social & Scientific Systems, a DLH Holdings Company, Durham, NC; Chandra Jackson, Natl Inst of Environmental Health Sciences, Research Triangle Park, NC

A Comprehensive Investigation of the Effect of Dietary Intervention on Perfluorooctanoic Acid and Perfluorooctane Sulfonate
Ruiyuan Zhang, Yixi Sun, Ling Tian, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA; Yang Pan, Xiao Sun, Univ of Illinois Chicago, Chicago, IL; Zhijie Huang, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA; Jia Fan, Tulane Univ Sch of Med, New Orleans, LA; Kai Zhang, The State Univ of New York at Albany, Albany, NY; Shengxu Li, Children's Hosp and Clinics of Minnesota, Minneapolis, MN; Lydia A
Bazzano, Wei Chen, Jing Chen, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA; Tanika N Kelly, Univ of Illinois Chicago, Chicago, IL; Jiang He, Joshua D Bundy, Changwei Li, Tulane Univ Sch of Public Health and Tropical Med, New Orleans, LA