



Quality of Care and Outcomes Research Scientific Sessions 2022

May 13-14, 2022 | Hyatt Regency Reston | Reston, Virginia
Program Agenda

Time	FRIDAY – May 13
8:30 – 9:00 am	<p>Opening Session</p> <p>8:30 – 8:45 Welcome Remarks from AHA President (Pre-recorded) Donald Lloyd-Jones, MD, ScM, FAHA, Northwestern University</p> <p>8:45 – 9:00 Welcome Remarks Chair: Umesh Khot, MD, Cleveland Clinic Foundation Vice-Chair: Emily O’Brien, PhD, Duke University</p>
9:00 – 10:15 am	<p>Plenary Session: Health Equity</p> <p>Moderators: Nasrien Ibrahim, MD, Inova Lesley Curtis, PhD, Duke University</p> <p>9:00 – 9:25 Keynote Presentation: From Cath Lab to Cabinet/Statehouse Daniel Carey, MD, MHCM, FACC, Providence Physician Enterprise</p> <p>9:25 – 9:50 Keynote Presentation Wayne Batchelor, MD, Inova</p>

	<p>9:50 – 10:15 Panel Discussion</p> <p>Panelists: Amber Johnson, MD, University of Pittsburgh Pamela Peterson, MD, MPH/MSPH, University of Colorado Ritu Thamman, MD, University of Pittsburgh Rishi Wadhera, MD, MPP, MPhil, Harvard University</p>
10:15 – 10:45 am	<i>Break/Exhibits</i>
10:45 am – 12:00 pm	<p>Early Career Investigator Award Finalists</p> <p>Moderators: Vinay Kini, MD, MSc, Weill Cornell Medicine Madeline Sterling, MD, Weill Cornell Medicine</p> <p>10:45 – 10:55 Racial And Ethnic Differences In Bystander Cardiopulmonary Resuscitation For Witnessed Out-of-Hospital Cardiac Arrest Raul A Garcia, John A Spertus, Saint Luke's Mid America Heart Inst (MAHI)/Univ of Missouri-Kansas City (UMKC), Kansas City, MO; Saket Girotra, Univ of Iowa, Iowa City, IA; Bryan F McNally, Emory Univ, Atlanta, GA; Khadijah Breathett, Univ of Arizona, Tucson, AZ; Marina Del Rios, UNIVERSITY OF IOWA, Chicago, IL; Kevin F Kennedy, Saint Luke's Mid America Heart Inst (MAHI)/Univ of Missouri-Kansas City (UMKC), Kansas City, MO; Brahmajee K Nallamothe, UNIVERSITY MICHIGAN HEALTH SYSTEM, Ann Arbor, MI; Comilla Sasson, American Heart Association, Dallas, TX; Paul S Chan, Saint Luke's Mid America Heart Inst (MAHI)/Univ of Missouri-Kansas City (UMKC), Kansas City, MO; CARES Surveillance Group</p> <p>10:55 – 11:00 Discussant Elizabeth Jackson, MD, University of Alabama at Birmingham</p>

11:00 – 11:10

Income Status And Receipt Of Sacubitril/valsartan For The Treatment Of Heart Failure
Amber E Johnson, Gretchen M Swabe, Univ of Pittsburgh, Pittsburgh, PA; Daniel Addison, Ohio State Univ, Columbus, OH; Utibe R Essien, Univ of Pittsburgh, Pittsburgh, PA; Khadijah Breathett, Indiana Univ, Indianapolis, IN; LaPrincess Brewer, MAYO CLINIC, Rochester, MN; Jared Magnani, UNIVERSITY OF PITTSBURGH, Pittsburgh, PA; Sula Mazimba, Univ of Virginia, Charlottesville, VA; Selma F Mohammed, Creighton Univ Sch of Med, Omaha, NE

11:10 – 11:15

Discussant
TBD

11:15 – 11:25

Subtypes Of Fatigue In Heart Failure In The Atherosclerosis Risk In Communities Study
Noelle Pavlovic, Johns Hopkins Sch of Nursing, Baltimore, MD; Martha Abshire Saylor, Johns Hopkins Univ, Baltimore, MD; Chiadi E Ndumele, Johns Hopkins Sch of Med, Baltimore, MD; Cheryl R Dennison Himmelfarb, Johns Hopkins Sch of Nursing, Baltimore, MD; Christopher S Lee, Boston Coll Sch of Nursing, Chestnut Hill, MA; Sarah Szanton, Johns Hopkins Univ, Baltimore, MD; Jeannie-Marie Leoutsakos, Johns Hopkins Sch of Med, Baltimore, MD

11:25 – 11:30

Discussant
Frederick A Masoudi, Ascension, Denver, CO

11:30 – 11:40

Understanding Baseline Physical Activity In Cardiac Rehabilitation Enrollees Using Mobile Health Technologies
Jessica R Golbus, Univ of Michigan, Ann Arbor, MI; Kashvi Gupta, Univ of Missouri Kansas City, Kansas City, MO; Rachel Stevens, V. Swetha Jeganathan, Evan Luff, Univ of Michigan, Ann Arbor, MI; Sarah Kohnstamm, Michigan Med, Ann Arbor, MI; Brahmajee K Nallamothu, University of Michigan Health System, Ann Arbor, MI

	<p>11:40 – 11:45 Discussant Rashmee Shah, MD, Meta Platforms, Inc</p> <p>11:45 – 11:55 Rehabilitation Enrollment During Aortic Valve Replacement Episodes Of Care Vinay Guduguntla, Univ of California, San Francisco, San Francisco, CA; Jessica Yaser, Univ of Michigan, Ann Arbor, MI; Steven J Keteyian, Henry Ford Hosp, Detroit, MI; Francis D Pagani, Donald S Likosky, Devraj Sukul, Mike P Thompson, Univ of Michigan, Ann Arbor, MI</p> <p>11:55 – 12:00 Discussant Erica Spatz, MD, MHS, Yale University</p>
12:00 – 2:00 pm	Lunch/Exhibits
12:30 – 2:00	<p>Early Career Development Lunch</p> <p>Moderators: Rohan Khera Alex Fanaroff</p>
2:00 – 3:15 pm	<p>General Session: Healthcare Delivery and Systems of Care (Debate)</p> <p>Moderators: Jason Wasfy, MD, MPhil, Massachusetts General Hospital Erica Spatz, MD, MHS, Yale University</p>

2:00 – 2:25 Telehealth

2:00 – 2:08

Better access, enhanced quality. Telehealth is a win-win for patients and clinicians

Neil Kalwani, MD, MPP, Stanford University

2:08 – 2:16

Is this what better access looks like? Telehealth, no thanks.

Xiaowen Wang, MD, Brigham and Women's Hospital

2:16 – 2:25

Panel discussion led by Jason Wasfy (MGH) – Amazing achievement, but we can do better

Jason Wasfy, MD, MPhil, Massachusetts General Hospital

2:25 – 2:50 Centers of excellence

2:25 – 2:33

Centralized high volume, specialized procedural centers - good for quality and cost - pro

Alex Fanaroff, MD, University of Pennsylvania

2:33 – 2:41

Centers of Excellence - but do they deliver on their promise? - anti

Andrew Gonzales, MD, JD, MPH, Indiana University

2:41 – 2:50

Panel discussion: Centers of Excellence: it's not so simple

Michael Thompson, PhD, MPH, University of Michigan

	<p>2:50 – 3:15 Care in the Community</p> <p>2:50 – 2:58 Health systems will fail if not in partnership with the community TBD</p> <p>2:58 – 3:06 Community partnerships don't cut it; we need national policy change Jay Lusk, Duke University</p> <p>Panel discussion: Partnerships are mission critical, but need to be sustainable Erica Spatz, MD, MHS, Yale University</p>
3:15 – 3:45 pm	Break/Exhibits
3:45 – 5:00 pm	<p>Concurrent Session: Towards the Perfect Outcomes of AMI Care</p> <p>Moderators: Matthew Sherwood, MD, Inova Puja Parikh, MD, MPH, Stony Brook Medicine</p> <p>3:45 – 3:48 Mechanical Complication or High Risk PCI Case Study Lead Discussant: TBD</p> <p>3:48 – 3:55 Quantification of Risk for High Risk Cohorts Undergoing PCI: Anatomy, Physiology, and Geriatric Risks Michael Nanna, MD, MHS, Yale University</p> <p>3:55 – 4:02 Improving Quality for High-Risk PCI: The Influence of Vascular Access and Closure on Outcomes Ian Gilchrist, MD, Penn State Health</p>

	<p>4:02 – 4:09 The Influence of Procedural Complications on Short- and Long-term Outcomes Jennifer Rymer, MD, Duke University</p> <p>4:09 – 4:16 Mechanical Complication for AMI: Therapeutic Advances for the Last Frontier Abdulla Damluji, MD, PhD, Inova</p> <p>4:16 – 4:23 Debate: Mechanical Circulatory Support for AMI-CS: The Case for Universal Use Ajar Kochar, MD, MHA, Brigham and Women’s Hospital</p> <p>4:23 – 4:30 Debate: Mechanical Circulatory Support for AMI-CS: The Data are Not Convincing! Venugopal Menon, MD, Cleveland Clinic</p> <p>4:30 – 5:00 Panel Discussion</p>
3:45 – 5:00 pm	<p>Concurrent Session: Stroke</p> <p>Moderators: Bryстана Kaufman, MSPH, PhD, Duke University Emily O’Brien, PhD, Duke University Jennifer Rasmussen-Winkler, MD, Baylor Scott & White Health</p> <p>3:45 – 3:55 Transitional Care for Stroke: A perspective from the COMPASS trail and next steps Pamela Duncan, PhD, Atrium Health Wake Forest Baptist</p>

	<p>3:55 – 4:05 Data science and diagnostics Kai Zhang, PhD, UT Health</p> <p>4:05 – 4:15 What we know about existing disparities and future directions for research Judith Lichtman, PhD, MPH, Yale University</p> <p>4:15 – 4:25 Stroke in the young Tiffany Chang, Yale University</p> <p>4:25 – 4:35 Lessons Learned and Future Opportunities in Implementation of Stroke Transitional Care Models Barbara Lutz, PhD, RN, University of North Carolina Wilmington</p> <p>4:35 – 5:00 Panel Discussion</p>
3:45 – 5:00 pm	<p>Concurrent Session: Heart Failure</p> <p>Moderators: Robert Mentz, MD, Duke University Nasrien Ibrahim, MD, Inova</p> <p>3:45 – 3:48 Case Introduction Vanessa Blumer, MD, Duke University</p>

3:48 – 3:58

The Fantastic Four of Heart Failure Treatment: Time for Simultaneous or Rapid Sequence Initiation?

Stephen Greene, MD, Duke University

3:58 – 4:00

Case Presentation – 2 min

4:00 – 4:10

The Patient's Perspective of Heart Failure – PRO's and Decision Support Tools

Colleen McIlvennan, PhD, DNP, MS, BSN, University of Colorado

4:10 – 4:12

Case Presentation – 2 min

4:12 – 4:22

From Guideline to Patient: How to implement the new guidelines in clinical practice?

Harriette Van Spall, MD, MPH, McMaster University

4:22 – 4:24

Case Presentation – 2 min

4:24 – 4:34

What did the Canadian/European HF guidelines leave unsaid?

Mitchell Psotka, MD, PhD, Inova

4:34 – 4:36

Case Presentation – 2 min

4:36 – 4:46

The Heart Transplant Allocation System – Evolution and Impact

William Parker, MD, PhD, University of Chicago

	<p>4:46 – 4:48 Case Presentation – 2 min</p> <p>4:48 – 4:58 Racial and ethnic disparities in outcomes after heart transplantation Alanna Morris, MD, Emory University</p>
5:00 – 7:00 pm	<p>Poster Session and Reception</p> <p>Early Career Investigator Award Semi-Finalists QCOR 2022 Abstract Poster Session QCOR at Sessions 2021 Abstract Poster Session (Previously presented abstracts)</p>
7:00 – 9:30 pm	QCOR Council Dinner
Time	Saturday – May 14
7:00 – 8:00 am	Breakfast/Networking
8:00 – 9:00 am	<p>Rapid Fire Abstract Oral Session Competition</p> <p>Moderators: Chetan Huded, MD, Saint Luke's Tracy Wang, MD, Duke University</p> <p>8:00 – 8:03 Artificial Intelligence To Predict Late Onset Cardiomyopathy Among Childhood Cancer Survivors Using Electrocardiogram, Echocardiogram, And Clinical Data Fatma Gunturkun, Univ of Tennessee Health Science Ctr, Germantown, TN; Daniel A Mulrooney, DIVISION OF CANCER SURVIVORSHIP, Memphis, TN; Robert L Davis, 1956, Memphis, TN; Gregory T Armstrong, St. Jude Children's Res Hosp, Memphis, TN; John L Jefferies, UNIVERSITY OF TENNESSEE,</p>

Memphis, TN; Ibrahim Karabayir, Wake Forest Sch of Med, Winston-Salem, NC; Yutaka Yasui, St Jude Children's Res Hosp, Winston Salem, NC; Matt Ehrhardt, St Jude Children's Res Hosp, Memphis, NC; Kumar Srivastava, Melissa Hudson, St Jude Children's Res Hosp, Memphis, TN; Oguz Akbilgic, Wake Forest Sch of Med, Winston Salem, NC

8:03 – 8:06

Q&A

8:06 – 8:09

Prediabetes In Young Adults And Its Association With Type 1 Myocardial Infarction-related Admissions And Outcomes: A Population-based Analysis In The United States

Rupak Desai, Independent Reser, Atlanta, GA; Fariah Asha Haque, Jawaharlal Nehru Medical Coll, Belgaum, India; Advait Vasavada, M.P. Shah Medical Coll, Jamnagar, India; Manisha Jain, Shri Bhausahab Hire Government Medical Coll, Dhule, Maharashtra, India; Rohan Desai, Texas Tech Univ Health Science Ctr, El Paso, TX; Viralkumar Patel, TriStar Horizon Medical Ctr, Dickson, TN; Saima Shawl, Chittagong medical college and hospital, Chittagong, Bangladesh; Sailaja Sanikommu, Sri Manakula Vinayagar Medical Coll and Hosp, Puducherry, India; Samuel Edusa, Samalla Clinic Ltd., Gbawe, Ghana, Ghana; Navya Sadum, Kamineni Acad of Medical sciences and Res Ctr, Hyderabad, India; Thomas Alukal, VCU Health, South Hill, VA; Akhil Jain, Mercy Catholic Medical Ctr, Yeadon, PA

8:09 – 8:12

Q&A

8:12 – 8:15

Income Insecurity And Cardiovascular Health Disparities: A Worker Analysis In IPUMS MEPS

Natalia Davila, Univ Of Texas Medical Branch, Galveston, TX; John W Davis, Univ Of Texas Medical Branch, Sugar Land, TX; Robert D Thomas, Univ Of Texas Medical Branch, Galveston, TX

8:15 – 8:18

Q&A

8:18 – 8:21

Predictors Of All-cause Mortality In Young Onset Stroke: An Artificial Neural Network Analysis Using A Nationwide Cohort

Rupak Desai, Independent Reser, Atlanta, GA; Utsav Aiya, Rakin Rashid, Avijit Deb, Neel Patel, Mercy Catholic Medical Ctr, Darby, PA; Bibi Alli-Ramsaroop, Georgetown Public Hosp Corp, Georgetown, Guyana; Brian Brereton, Jersey General Hosp, St. Helier, Jersey; Akhil Jain, Mercy Catholic Medical Ctr, Darby, PA; Chintan Rupareliya, Univ of Kentucky, Lexington, KY

8:21 – 8:24

Q&A

8:24 – 8:27

Cardiovascular Outcomes, Behavioral Risk Factors, And Health Insurance In Transgender Population In The United States Of America: Analysis From The 2020 Behavioral Risk Factor Surveillance Survey

Moiz Ehtesham, Albany Medical Ctr, Albany, NY; Waseem Amjad, Harvard Medical Sch, Boston, MA; Muhammad Asim Shabbir, Albany Medical Ctr, Albany, NY

8:27 – 8:30

Q&A

8:30 – 8:33

Comparative Effectiveness Of Sglt2 And Glp1ra On Major Adverse Cardiac Events: A National Retrospective Cohort Of Patients With Diabetes

Tadarro Richardson, Alese Halvorson, Vanderbilt Univ Med Ctr, Nashville, TN; Amber Hackstadt, Vanderbilt Univ Medical Cente, Nashville, TN; Adriana Maria Hung, Vanderbilt Univ, Nashville, TN; Robert Greevy, Vanderbilt, Nashville, TN; Carlos Grijalva, tom elasy, Christianne Roumie, Vanderbilt Univ Medical Ctr, Nashville, TN

8:33 – 8:36

Q&A

8:36 – 8:39

Application Of Machine Learning In Predicting Clinical Adverse Events After Transcatheter Aortic Valve Replacement Procedure: Insights From A Systematic Review And Meta-analysis Of Studies
Peter McGranaghan, Alexander Meyer, Charité Univsmedizin Berlin, Berlin, Germany; Muni Rubens, Ashfaq Ahmed, Baptist Health South Florida, Miami, FL; Zhenwei Zhang, Anshul Saxena, Baptist Health South Florida, Coral Gables, FL; Emir Veledar, BAPTIST HEALTH SOUTH FLORIDA, Coral Gables, FL

8:39 – 8:42

Q&A

8:42 – 8:45

Implementation Of Treat To Target Hypertension Strategy In A Metropolitan Primary Care Facility
Iqra Arshad, Mohammad Faiz, Julio A Ovalle Ramos, Masood A Shariff, Matthew R Ding, Rakeshkumar Mistry, Maria Espejo, NYC HHC, Lincoln, Bronx, NY

8:45 – 8:48

Q&A

8:48 – 8:51

Recruitment Strategies To Increase Diversity And Enrollment In Behavioral Clinical Trials
Jennifer Lewey, Valerie Riis, Sarah Stupp, Lisa Levine, Michal Elovitz, Kelly Allison, Univ of Pennsylvania Perelman Sch of Med, Philadelphia, PA

8:51 – 8:54

Q&A

8:54 – 8:57

Association Between Copay Amount And Medication Adherence For Angiotensin Receptor Nephilysin Inhibitors In Patients With Heart Failure
Amrita Mukhopadhyay, New York Univ, New York, NY; Samrachana Adhikari, New York, United States Minor Outlying Islands; Xiyue Li, New York Univ, New York, NY; John A Dodson, NYU

	<p>SCHOOL MEDICINE, New York, NY; Ian M Kronish, COLUMBIA UNIVERSITY, New York, NY; Maggie Ramatowski, Rumi Chunara, New York Univ, New York, NY; Saul Blecker, NYU SCHOOL OF MEDICINE, New York, NY</p> <p>8:57 – 9:00 Q&A</p>
9:00 – 10:15 am	<p>General Session: Innovation in Data Science and Transforming Cardiovascular Care</p> <p>Panelists: Rohan Khera, MBBS, MS, Yale School of Medicine Harlan Krumholz, MD, SM, Yale School of Medicine</p> <p>9:00 – 9:07 Technology, Industry, and Academics and Data Science? Friends or Foes Rashmee Shah, MD, Meta Platforms, Inc</p> <p>9:07 – 9:17 Panel #1: Funding/Collab</p> <p>9:17 – 9:24 Innovating evidence generation - AI-driven clinical trials for precision inference Bobak Mortazavi, PhD, Texas A&M</p> <p>9:24 – 9:31 Machine learning to enhance cardiac imaging – the next frontier for cardiovascular AI James Pirruccello, MD, Harvard University</p> <p>9:31 – 9:46 Panel #2 – Innovation</p>

	<p>9:46 – 9:53 Implementation Science in Data Science and Digital Health Xiaoxi Yao, PhD, Mayo Clinic</p> <p>9:53 – 10:00 Ethics and Regulation of Data Science Products: Ensuring Equity and Preventing Harm Anindita Saha, US Food & Drug Administration</p> <p>10:00 – 10:15 Panel #3 - Implementation</p>
10:15 – 10:45 am	Refreshment Break/Exhibits
10:45 am – 12:00 pm	<p>General Session: Achieving Health Equity: Moving from Observation to Implementation</p> <p>Moderators: Modele Ogunniyi, MD, MPH, Emory University Adedapo Iluyomade, MD, Baptist Health</p> <p>10:45 – 10:55 Gender Equity in Healthcare: Advancing Health and Workforce Equity Julie Silver, MD, Massachusetts General Hospital</p> <p>10:55 – 11:05 Reducing Biases in Artificial Intelligence and Machine Learning to Achieve Equitable Outcomes in Cardiovascular Care Tiffany M Powell-Wiley, MD, MPH, National Institutes of Health</p> <p>11:05 – 11:15 Strategies to Reduce Low-Value Cardiovascular Care TBD</p>

	<p>11:15 – 11:25 The Affordable Care Act and Cardiovascular Health Equity: Progress, Pitfalls, and the Path Forward Rishi Wadhera, MD, MPP, Harvard University</p> <p>11:25 – 11:35 Diversity in Cardiovascular Clinical Trials Harriette Van Spall, MD, MPH, McMaster University</p> <p>11:35 – 11:55 Panel Discussion</p> <p>11:55 – 12:00 Summary of Key Points/Action items Modele Ogunniyi, MD, MPH, Emory University</p>
12:00 – 2:00 pm	Break/Exhibits
2:00 – 3:15 pm	<p>General Session: Innovative Clinical Prevention – New models to improve access, reach and effectiveness of cardiovascular risk reduction strategies</p> <p>Moderators: Kim Smolderen, PhD, MSc, Yale School of Medicine TBD</p> <p>2:00 – 2:10 Implementation of goal-directed ASCVD prevention: integration of non-physicians; protocol-based care; shared decision making TBD</p> <p>2:10 – 2:20 Remote patient monitoring and digital health apps to enhance patient engagement in lifestyle behaviors</p>

	<p>TBD</p> <p>2:20 – 2:30 Expanding the toolbox: Novel therapeutics in CV Prevention Erin Michos, MD, MHS, Johns Hopkins Medicine</p> <p>2:30 – 2:40 Polygenic Risk Scores in Practice TBD</p> <p>2:40 – 2:50 Food As Medicine - Implementing structured Nutrition strategies for CV health TBD</p> <p>2:50 – 3:00 Family and community approaches to prevention: e.g., FH; dyads with hypertension; peer groups; communities TBD</p> <p>3:00 – 3:15 Panel Discussion</p>
3:15 – 3:45 pm	Break/Exhibits
3:45 – 5:00 pm	<p>General Session: Interactive, Debrief</p> <p>Umesh Khot, MD, Cleveland Clinic Emily O'Brien, PhD, Duke University</p>
5:00 pm	Adjourn