

Cornelia Anderson, RN, BSN

Ms. Anderson joined the ACC's NCDR as a Senior Specialist in 2009. She has recently transitioned to her current position as the Program Manager for the CathPCI Registry from being the primary Clinical Quality Consultant for the registry. She received her Bachelor of Science in Nursing from Columbia Union College in 1987 and is a registered nurse in the state of Maryland. Immediately prior to joining the NCDR Ms. Anderson worked as a cath lab nurse where she managed patient care through cardiac catheterizations and interventional therapies and was selected as the unit representative for the Cerner Initiative. Past nursing experience includes the Emergency Department as Assistant Head Nurse, cardiovascular procedure recovery, and ambulance ACLS transports. She is certified in CPR, ACLS, PALS and Advanced Burn Life Support.

Nichole Arcaro, RN, MSN

Ms. Arcaro currently works as Quality Manager at the Cleveland Clinic in Cleveland, OH. She is responsible for managing the quality team and reporting from various cardiovascular data registries with strategic focus on patient outcomes and increasing external quality patient care issues, orientation of employees to new quality role, employee evaluation with constructive feedback and monitoring of required competency completion. Ms. Arcaro also works as an adjunct online faculty member at Saint Xavier University, the Chamberlain College of Nursing and South University. She received her Bachelor of Science in Nursing from Cleveland State University and her Master of Science in Nursing from the University of Phoenix.

Heather Arnder, BSN, MBA, MHA

Ms. Arnder works as a Clinical Consultant, Clinical Data Analyst for PCIs and Site Manager for NCDR at Novant Health in Winston-Salem, North Carolina. She provides data support management for the Chief of Cardiology, Cath Lab Director and Clinical Improvement Department. She acts as liaison between multiple hospitals and data registries and assists clinical staff regarding direction or technique involving new devices. Ms. Arnder also consults and collaborates with sister facilities in improving processes and developing plans to streamline data abstraction. She develops process improvement plans to improve care for cardiac population and educates and supports medical and clinical staff outlining complication rates among cardiac population. Ms. Arnder earned her B.S. in Nursing from Winston-Salem State University and her Master of Business Administration and Master of Health Administration from Pfeiffer University in Charlotte, North Carolina.

Kelly Beltz, RHIT

Ms. Beltz works as a Cardiovascular Data Registrar at Saint Alphonsus Heart and Vascular Center in Idaho. She directs and coordinates all aspects of the NCDR, STS, GWTG Heart Failure and all other registry operations and function including case finding, data collection, data submission, quality reporting, outcomes review and analysis, budgeting and contract management. She provides education to physicians and staff to assist with quality data collection and interpretation, prepares and facilitates case conferences and participates in accreditation activities. Ms. Beltz earned an A.S. in Health Information Technology and a B.S. in Health Informatics and Information Management from Boise State University.

David Bonner, R.T. (R), CV ARRT

Mr. Bonner is the Associate Director of Registry Services for the NCDR Clinical Quality Consultant Team. Mr. Bonner has been a Board Registered Radiologic Technologist since 1995 and a Board Certified/Registered Cardiovascular Interventional Technologist since 1998. He is an experienced leader with 18 years in cardiovascular and peripheral vascular medicine, and joined the NCDR on January 8, 2007 as a Senior Specialist for the ICD Registry. Mr. Bonner currently lives in Washington, DC where he has maintained active participation in the Cardiovascular medical community for the past 16 years. He attended Kaskaskia College in 1993 located in Centralia, Illinois where he obtained a degree in Radiologic Technology, and successfully completed the American Registry of Radiologic Technologists board requirements in 1995. He is a member of the American Society of Radiologic Technologists.

Tina Bonwell, RN, BSN

Ms. Bonwell currently works as an ACC Data Coordinator, STS Data Coordinator and STEMI Coordinator at the Heartland Regional Medical Center in St. Joseph, Missouri. She received her Bachelor of Science in Nursing from Missouri State University. She is a current member of the Society of Cardiovascular Patient Care and the State Advisory Council for Stroke and STEMI.

Ralph G. Brindis, MD, MPH, MACC

Dr. Brindis is a Clinical Professor of Medicine at the Department of Medicine & the Philip R. Lee Institute for Health Policy Studies at the University of California, San Francisco. He serves as the Senior Medical Officer for External Affairs for the NCDR. He is also a Past President of the ACC.

Dr. Brindis graduated MIT in 1970 and obtained a Master's Degree in Public Health from UCLA in 1972. He graduated Emory Medical School Summa Cum Laude in 1977. He completed his residency and was Chief Resident in Internal Medicine and a Cardiology Fellow at UCSF.

Dr. Brindis is a practicing invasive cardiologist with an active practice of consultative cardiology. His major interest in process measures and outcomes assessment in cardiovascular disease led him to assist in the creation and implementation of various Cardiovascular Guidelines for Northern California Kaiser. Dr. Brindis has been active in ACC activities for over 15 years, serving previously as the ACC Governor of Northern California and as President of the California Chapter of the ACC. Brindis was Chief Medical Officer and Chair of the NCDR Management Board and also chaired the ACC Appropriateness Oversight Task Force developing Appropriate Use Criteria for non-invasive testing and coronary revascularization procedures. He is the past Chair of the ACC Quality Strategic Directions Committee. Brindis was the 2007 recipient of the National ACC Distinguished Fellow Award. He is an active volunteer in the AHA serving on the Western Affiliate Mission Lifeline Task Force. He previously served on the California Affiliate AHA Board and as the President of the AHA San Francisco Division.

Dr. Brindis sits on the Cardiac Advisory Board of the State of California OSHPD initiative overseeing public reporting of hospital and physician specific CABG mortality. He also served on the National Blue Ribbon Advisory Committee for Cardiac Care for

the Veteran's Administration and the VA Hospital National CABG Quality Oversight Committee. Brindis has over 100 publications in national peer-reviewed cardiovascular journals.

Beth Bruning, RN

Ms. Bruning received her nursing degree from Marymount College of Kansas in Salina, KS. For the past 7 years, she's worked as a Cardiovascular Data Manager at the University of Kansas Hospital in Kansas City, KS. In this role, Bruning is responsible for quality data input of all defibrillator implants, interpretation of National Data Outcome Reports, and presenting data outcomes for KU Hospital Quality Assurance Staff, EP physicians and EP lab staff. Prior to joining the team at UK Hospital, Bruning worked as an office staff nurse at Mid-America Cardiology in Kansas City, MO and as a cardiovascular floor nurse at St. Luke's Hospital in Kansas City, MO.

John D. Carroll, M.D., FACC, FSCAI

Dr. Carroll received his AB (biology) cum laude from Princeton University in 1972 and his MD (Alpha Omega Alpha) from the University of Chicago in 1976. He trained in internal medicine and cardiovascular disease at Tufts New England Medical Center from 1976-1981 finishing as the American Heart Association's Samuel Levine Cardiology Research Fellow. He then spent a year as a cardiology research fellow at UniversitätsSpital in Zurich, Switzerland. From 1982-1996 he was a member of the cardiology faculty at the University of Chicago Pritzker School of Medicine and directed the Hans Hecht Cardiac Catheterization Laboratory. In 1996 he moved to the University of Colorado as Professor (with tenure) of Medicine, Director of Interventional Cardiology, and Co-Medical Director of the Cardiac and Vascular Center. Nationally he is a member of the STS/ACC TVT Registry Steering Committee, the Steering Committee of the ACP Trial, and the Steering Committee of the RESPECT trial.

Dr. Carroll is an interventional cardiologist with clinical and investigative interests related to image guidance, structural/valvular heart disease interventions, clinical trials, and using advanced cardiac 3D imaging and graphics to understand device-anatomy interactions. He has many collaborators in interventional cardiology, neurology, cardiac imaging, imaging sciences, cardiac surgery, and the health services outcomes group at the University of Colorado. Dr. Carroll has recently co-edited with John G. Webb, MD of Vancouver the first textbook on "Structural Heart Disease Interventions" and is working with Ziyad Hijazi, MD to start a novel tablet-based medical and community journal on structural heart disease.

Patricia E. Casey, RN, MSN, CPHQ, AACC

Ms. Casey is the Associate Director for NCDR Training and Orientation, a position that she has held for the past three years. She is responsible not only for the NCDR Annual Conference, but also for addressing the orientation and continuing educational needs related to NCDR. She previously served as an Advance Practice Nurse at Holy Cross Hospital just outside Washington, DC. In this role, she assisted in the implementation of a continuous EEG- monitoring unit, a Research and Evidenced-Based Practice Nursing Council, and significant revisions to the Clinical Ladder Program, as well as in the on-going clinical support that helped to make the hospital the only one in Maryland and the greater DC area to be recognized by The Joint Commission as a Top Performer on Key Quality Measures. Prior to that she was the Director of Chronic Conditions Care Management with Kaiser Permanent Mid-Atlantic States, where she managed the registries for Heart Failure, Diabetes, Coronary Artery Disease, Asthma, Depression, and Chronic Pain, as well as the Controlling High Blood Pressure program which received the James A. Voh's Award for Quality as well as an American Medical Group Association grant to assist in disseminating the learnings from the program. Earlier she served over 10 years as the Education Coordinator for Cardiovascular Nursing at INOVA Fairfax Hospital, where she taught critical care nursing and dysrhythmias to several of her current co-workers. While in this position, she also implemented and co-chaired a hospital-wide multidisciplinary team that supported a data-driven quality improvement program. She is the author of numerous publications and has served as faculty at many programs, both regionally and nationally.

Ms. Casey received her Bachelor of Science in Nursing degree from the University of Vermont in Burlington, Vermont and her Master of Science in Nursing, focusing on Cardiovascular Nursing and Adult Education, from The Catholic University of America in Washington, DC.

Joanne Chisolm, RN, MSN

Ms. Chisolm has been the Clinical Research Nurse for Cardiac Catheterization and Interventional Therapy at Nationwide Children's Hospital in Columbus, Ohio for the last ten years. She is currently the site manager for the IMPACT Registry, and has been involved with IMPACT since the pilot study began in 2010. She has extensive experience in pediatric and adult congenital cardiac catheterization and was the operations manager of Cardiac Services at Arnold Palmer Hospital in Orlando before moving to Columbus. Joanne is a member of Sigma Theta Tau International and has a Master of Science in Nursing from Drexel University.

Jensen S. Chiu, MHA

Mr. Chiu has over six years of subject matter expertise in the measurement and reporting of clinical processes in both ambulatory and hospital settings. He currently works as the Lead Specialist in Quality Measurement for NCDR. In his current role he has developed quality measures and data collection instruments for various stakeholders including the federal government, registry participants, health systems, and managed care organizations. Some of Mr. Chiu's achievements at the ACC include leading the National Quality Forum's submission process for 17 measures, developing methodological approaches to linking ACC's registry data with the Centers for Disease and Prevention databases, and leading a national multi-stakeholder cardiac rehabilitation testing project that successfully acquired testing data and results from 13 ambulatory and hospital settings across the nation. Mr. Chiu holds a Masters of Healthcare Administration degree from Cornell University and a Bachelor of Arts degree from Case Western Reserve University.

Barbara Christensen, RN, MSHA, CPHQ, AACC

Ms. Christensen is the Senior Director for Registry Services and provides strategic direction and oversight for all NCDR Registry Services. Ms. Christensen is a registered nurse with over 20 years of experience in cardiovascular leadership and administration. Prior to joining the NCDR in 2008, she was the Executive Director for Cardiovascular Services at Washington Adventist

Hospital in Takoma Park, Maryland. In this role, she oversaw all aspects of acute care cardiovascular programs, including the development and implementation of quality improvement processes for clinical outcomes. She developed and implemented a One-Call access process for patient transfer, established a process for cardiovascular data collection and quality reporting, and served as the facilitator of a multi-disciplinary quality improvement team to address clinical issues.

Filiz Costantini, BS, RRT, RCIS

Ms. Costantini recently joined the NCDR team as a Clinical Quality Consultant. She provides primary support to CARE/PVI Registry clients and IMPACT Registry clients which includes, clinical interpretation of core data element definitions, technical support for coding, the data submission process, data quality and interpreting data for quality measurement and improvement initiatives. She came to the NCDR from Aerotek in Bethesda, Maryland. She also has experience in the clinical environment, having worked at Howard University Hospital, Maine Medical Center, Virginia Hospital Center and Washington Hospital Center. Ms. Costantini earned her Bachelor of Science in Respiratory Care and her Bachelor of Science in Biology from SUNY Stony Brook.

Jeptha Curtis, MD, FACC

Dr. Curtis, is an Associate Professor in the Section of Cardiovascular Medicine at Yale University School of Medicine. He received his medical degree from the Columbia College of Physicians and Surgeons before training in internal medicine at the Duke University Medical Center and completing his fellowships in clinical and interventional cardiology at Yale. Dr. Curtis directs the ACC Analytic Center at CORE. He has also led the development of registry-based outcome measures for CMS examining 30-day mortality following percutaneous coronary intervention (PCI) and ICD and currently oversees the maintenance of the registry measures, contributes to the development of new measures, and assists in the development of approaches to cardiovascular surveillance. Currently, he is conducting a mixed methods research study of hospitals that perform PCI (TOP PCI). The study will begin with a qualitative component in which top performing hospitals will be visited to identify candidate strategies, and will then move to a quantitative survey of PCI hospitals to determine which strategies are most closely associated with better patient outcomes. Through critically examining the practice of interventional cardiology, Dr. Curtis hopes to improve the quality of care delivered to patients with coronary artery disease and those undergoing PCI.

Kevin Daniel, RN, CEN

Mr. Daniel has been working at Northside Hospital in Atlanta, Georgia since 1995. He's worked as a GI Lab Clinical Supervisor, an IV Team Nurse in the Pharmacy Department, a clinician in the Emergency Department and most recently as a Cardiovascular Data Specialist in the Quality Improvement Department. He is responsible for NCDR ACTION Registry-GWTG data abstraction for three hospitals in the system and NCDR CathPCI data abstraction. He serves as Co-Chair for the Metro Atlanta Regional Mission:Lifeline Data/QI Committee and is the QI representative for the hospital STEMI team. Mr. Daniel is also responsible for interpreting and presenting NCDR Mission:Lifeline data to medical staff and administrators. He earned his nursing degree from Miami University.

Gregory J. Dehmer, MD, FACC

Dr. Dehmer earned his medical degree from the University of Wisconsin in 1975 and completed his training in internal medicine and cardiology at the University of Texas Southwestern Medical Center at Dallas. Dehmer is Board-Certified in Internal Medicine, Cardiovascular Disease and Interventional Cardiology and specializes in invasive and interventional cardiology. He is a Fellow of the ACC, AHA, the American College of Physicians and the Society for Cardiovascular Angiography and Interventions. He maintains an active practice in addition to his local and national administrative responsibilities.

Joseph P. Drozda, Jr., MD, FACC

Dr. Drozda acts as both a cardiologist and director of Outcomes Research at Sisters of Mercy Health System. He currently chairs the ACC's Clinical Quality Committee, is a member of the ACC's NCDR Management Board, and is the ACC representative for the National Quality Forum. He has been actively involved in clinical trials for almost 18 years. In his current position, he is leading the development of a health services research function at Mercy with an emphasis on the Mercy Care Model and Mercy's Patient Centered Medical Home and on comparative effectiveness research.

MaryAnne C. Elma, MPH

Ms. Elma is the Director of Quality Innovation and Implementation and leads the Best Practice Quality Improvement Solutions and Quality Initiatives team for the ACC. In her 15 years at the ACC, she has led efforts that bring evidence-based medicine into the field with practical solutions using social marketing practices and information design. Ms. Elma has applied her expertise to multiple products and programs, including the GAP Program, CathKIT, D2B Alliance, Hospital-to-Home (H2H) Initiative, Surviving MI Initiative – and the ACC's new line of Clinical Toolkits and Quality Improvement for Institutions program. She received her BA from Bucknell University with a focus on social research methods. She participated in medical product liability litigation and pro bono work at a law firm before joining the ACC. Elma received her Master's in Public Health at the Johns Hopkins University School of Public Health.

Kathryn Fidlow, RN, BSN

Ms. Fidlow has been employed at New York Presbyterian-Columbia University Medical Center in New York, NY since 1998. She's worked as a Nurse Manager in the Cardiothoracic Surgery Intensive Care Unit, a Coordinator in the Pediatric Interventional Cardiology Center, a Scrub Nurse in Interventional Neuro-Radiology, and most recently as a Senior Quality Management Specialist focusing on NCDR's TVT and CathPCI Registries. Ms. Fidlow earned her B.S. of Nursing from Dominican College in Blauvelt, NY.

Arielle Fingerman, MHSA

Ms. Fingerman has been with ACC for over five years. She re-joined the NCDR team as the Senior Specialist for NCDR Outreach in July, 2012. She previously worked as the Senior Specialist for PINNACLE Network and the Specialist for NCDR's Analytic and Reporting Services. Ms. Fingerman earned her Bachelor of Science in Public Health from Indiana University in 2005 and her Master of Health Services Administration from The George Washington University in 2008. She completed her Administrative Residency at the Veterans Affairs Medical Center in Washington, DC and prior to that, worked in Georgetown University Hospital's

Otolaryngology Department. She also completed two internships at the Lehigh Valley Hospital & Health Network in Allentown, PA.

Susan Fitzgerald, RN, MSN

Ms. Fitzgerald has worked at the NCDR for the past 14 years. She currently works as Associate Director for Registry Development in our Science and Quality Department and helps develop datasets, metrics and reports for all NCDR Registries. Previously, she worked as a nurse, nurse manager and clinical specialist in cardiology in two community hospitals in Maryland and Virginia. Ms. Fitzgerald received both her undergraduate and graduate degrees at American University in Washington, DC. She lives in Maryland with her husband and four sons.

JoAnne M. Foody, MD, FACC, FAHA

Dr. Foody is the Medical Director of the Cardiovascular Wellness Center and Pollin Cardiovascular Wellness Program at Brigham and Women's Hospital. Dr. Foody has active and international roles in cardiac disease prevention and rehabilitation with a particular focus on women and heart disease. Her research has focused on identifying and fostering greater use of clinical strategies that prevent adverse cardiovascular events in people with and without coronary artery disease. Dr. Foody received her BA from Princeton University in 1986, and her MD from the University of Chicago, Pritzker School of Medicine in 1990. She completed her internal medicine training at Brigham and Women's Hospital and training in general cardiology and preventive cardiology at the Cleveland Clinic Foundation. Dr. Foody is a Fellow of the ACC and the American Heart Association.

Ty J. Gluckman, MD, FACC, FAHA

Dr. Gluckman is Director of Clinical Transformation at the Providence Heart and Vascular Institute in Portland, Oregon and an adjunct member of the Johns Hopkins Ciccarone Center for the Prevention of Heart Disease in Baltimore, Maryland. Dr. Gluckman graduated summa cum laude with highest honors from Brandeis University. He received his medical degree from Northwestern University Medical School and did his internal medicine training at McGaw Medical Center of Northwestern University, where he remained for additional years as chief resident and an Instructor in Medicine. Dr. Gluckman completed his cardiology fellowship training at the Johns Hopkins Hospital and served as chief fellow during his final year there. His principal clinical and research interests include the management of acute coronary syndromes, the evaluation of premature graft failure after coronary artery bypass graft surgery, and variability in responsiveness to antiplatelet agents. Dr. Gluckman serves as Associate Editor for Practice Guidelines and Clinical Documents for CardioSource and is an Editorial Consultant for *CardioSource WorldNews*. He has published in *Archives of Internal Medicine*, *JAMA*, and the *Journal of the American College of Cardiology*. He is an active councilor and Director of Quality for the State of Oregon Chapter of the American College of Cardiology and a board member of the Portland Metro and SW Washington Chapter of the American Heart Association/American Stroke Association.

Pamela Goepfarth, RN, MBA, MEd

Ms. Goepfarth has been employed as the Director of Registries at the Cleveland Clinic Heart & Vascular Institute since 2010. She has had extensive clinical experience as a Cardiac Nurse in the cath lab, EP lab, and in post-op intensive care of open heart surgery patients. She also has a MBA in Healthcare Administration, a MEd in Speech Pathology, and has pursued Certification in Management of Information Systems. Her clinical experience combined with post-graduate education and studies in Information Technology have enabled her, along with an exceptional support staff, to develop and implement innovative processes in information flow to help optimize quality outcomes, maintain top national rankings, secure top deciles in publically reported cardiac data, and increase revenue through clinical documentation improvements. She has been working with the STS, ACC, and other Clinical Cardiac Registries since 1999. Ms. Goepfarth currently resides near Cleveland and is training her Goldendoodle, Sunny, to be a medical therapy dog.

Merri Goodman, RN, BSN, MS

Ms. Goodman received her Bachelor of Science in Nursing from Barry University in Miami Shores, FL and her Master of Science in Leadership from NOVA Southeastern University. She is currently employed as the Lead CVI Data Specialist at Memorial Regional Hospital in Pembroke Pines, FL. She provides oversight and supervision for all registry abstraction and submission. Ms. Goodman is responsible for data interpretation and presentation to hospital and healthcare system committees, physician leaders, nurse leaders and administrators. Prior, Ms. Goodman worked as the Nurse Manager, Cardiovascular Interventional Services, Interventional Radiology at Women's Center Nurses and Diagnostic Imaging Nurses at Memorial Hospital West.

Debra Goodwin, RN, MSN

Ms. Goodwin is a Masters Prepared Registered Nurse who currently serves as one of two National Directors for Clinical Quality Improvement for Tenet Healthcare, a 78 hospital and 177 outpatient centers Health Care Delivery organization. Ms. Goodwin works with the Tenet facilities and their medical staffs with a focus on cardiovascular services, as well as regulatory compliance and registry participation. Prior to this, Ms. Goodwin served as the Director of Education and Development for Tenet, assisting with development of data abstraction and reporting tools, and education of critical staff in the evidence that supports Performance Measures. She also served as the Director of Clinical Quality Improvement for two Tenet Hospitals prior to accepting a National role with the company. Ms. Goodwin has a clinical background in cardiology, and is a Certified Professional in Healthcare Quality, as well as a Licensed Healthcare Risk Manager in the State of Florida. She has served on the NCDR Work Group for Education since 2010, serving on the planning committee as well this year.

Abhinav Goyal, MD, MHS, FACC

Dr. Goyal, is an academic cardiologist and clinical investigator who is an Associate Professor of Medicine (Division of Cardiology) at the Emory School of Medicine, with a joint appointment as Associate Professor of Epidemiology in the Emory Rollins School of Public Health. Dr. Goyal also serves as the Director Quality for the Division of Cardiology at Emory Healthcare. He is responsible for directing all quality-related initiatives in the Division of Cardiology at Emory Healthcare, including providing physician oversight for Emory Hospitals' participation in the ACC NCDR (CathPCI, ACTION-Registry GWTG, and ICD Registries); American Heart Association Mission:Lifeline program for patients with acute heart attacks; and The Emory Clinic's Quality Improvement Initiatives pertaining to cardiovascular performance measures. Dr. Goyal's research interests include quality, health services research, and

outcomes research in cardiovascular medicine; population research investigating the link between diabetes or dysglycemia and cardiovascular disease; cardiovascular clinical trials; and global tobacco control.”

Rosemarie Hakim, PhD

Rosemarie Hakim, PhD, is a senior epidemiologist in the Division of Operations, Information, and Management in the Coverage and Analysis Group of CMS. She has been with CMS for 10 years, much of it in the Office of Research, Development and Information. She is the lead scientist on CMS's coverage with evidence development (CED). Her expertise is in developing strategies for using administrative and CED data for use in evidence development.

Kathleen M. Hewitt, RN, MSN, CPHQ, AACC

As Associate Vice President for the National Cardiovascular Data Registry (NCDR) and National Quality Initiatives of the American College of Cardiology (ACC), Kathleen Hewitt is responsible for the management and operation of a broad range of clinical data registries for measuring and improving quality patient care throughout the nation. Under Kathleen's leadership the NCDR has grown into an unprecedented quality measurement program that over 2,500 hospitals and healthcare systems view as their gold standard benchmark and measurement tool. Kathleen has also helped to ensure the NCDR meets the needs for multiple stakeholders such as various health care providers, CMS, health plans, FDA, CMS, AHRQ, and other national and state regulations, and is leading the distribution of a series of evidence-based quality improvement initiatives.

Kimberly Hustler, RN

Ms. Hustler has been with the ACC since March 2008 as a Senior Specialist for the ACTION Registry-GWTG. Ms. Hustler is a registered nurse with 20 years of cardiothoracic intensive care experience. She has seven years' experience working as an acute care hospital supervisor during which she oversaw hospital operations and provided leadership in emergent situations. Ms. Hustler initiated a quality program for performance improvement in Joint Commission AML, CHF, and Pneumonia Core Measures. Ms. Hustler worked for three years as a Chest Pain Center coordinator, instituting process improvement initiatives to achieve certification for the Society of Chest Pain Centers for a PCI facility.

Mark Hutcheson, RCIS

Mr. Hutcheson is a Senior Specialist with the CathPCI Registry. Prior to his position at ACC, Mr. Hutcheson worked as a cardiovascular technologist at the Washington Hospital Center in Washington, DC. He has also worked as a meteorological technician and instructor at McGuire Air Force Base in New Jersey, where he analyzed statistical data and weather instruments to ascertain natural elements for forecast utilization, and coordinated quality control programs.

Jonathan B. Jennings, RN

Mr. Jennings is Director of Cardiovascular Services for the Clinical Services Group (CSG) of the Hospital Corporation of America (HCA) in Nashville, Tennessee. His primary focus is HCA's cardiovascular performance improvement efforts. In this role, he designs and leads HCA programs such as the ACC NCDR CathPCI Registry and Society of Thoracic Surgeons Playbooks, which provide structure, process, actionable tools and resources for enhancing care delivery and improving patient outcomes. Mr. Jennings works extensively with physicians, quality teams, and data abstractors, as well as non-clinical personnel including operations and other leadership to educate on the importance of registry participation, data integrity, physician engagement, and performance awareness. He serves as HCA's primary contact for NCDR participation and manages the corporate master agreement, which includes over 345 facility participants.

Mr. Jennings has been with HCA since 2011 and frequently collaborates with other HCA entities on a broad spectrum of initiatives, including Corporate Regs, Internal Audit, Strategic Resource Group, HealthTrust Purchasing Group (HPG), and Strategic Pricing & Analytics on the development of cardiovascular service line dashboards, compliance worksheets, audit programs, and third party payor COE designation reviews. He is a recognized expert and leader in cardiovascular operations and quality improvement. Before joining HCA, Mr. Jennings was the Chief Quality Coordinator at Indiana University (IU) Health-Methodist Hospital in Indianapolis, Indiana. He served 15 years at IU Health in a variety of positions including: Coronary Critical Care RN, Charge Integrity Analyst, Charge Audit Coordinator, and Manager of Cardiovascular Charge Reconciliation and Outcomes.

Mr. Jennings is a Cardiac Care Associate member of the ACC and is current member of the following: HPG Advisory Board, Cardiovascular Information Systems Outcomes Committee, and Lumedx Advisory Council.

Virginia Jones, RN, BSN, RT, R (CV)

Ms. Jones is currently the Nurse Manager for the Cardiac Catheterization Lab at Children's Hospital of Philadelphia, a position that she has held for several years. She has previously worked as a staff nurse as well as a technologist in the cardiac catheterization lab at the hospital. Her unique work experience has assisted in making her a national speaker on Cardiac Catheterization. She received her Certificate in Radiologic Technology from Albert Einstein Medical Center, her Associate Degree in Radiology Technology from Widener University and her Bachelor of Science in Nursing from Widener University.

Vicky Katsafanas, RCIS

Ms. Katsafanas recently joined the NCDR team as a Senior Specialist for Registry Services. She came to the NCDR from Suburban Hospital in Bethesda, MD where she worked as a Cardiovascular Technologist. In this role, she assisted physicians with diagnostic and interventional cardiac and peripheral catheterization procedures, compiled NCDR registry data for quarterly submission, acted as a preceptor for cardiovascular specialist new hires and clinical internship students and educated various departments of the hospital on post-procedural care of patients. She has also worked at Washington Hospital Center in DC and Hanover Hospital in Hanover, PA. Ms. Katsafanas earned her A.S. Certificate of Proficiency of Invasive Cardiovascular Technology from Howard Community College in Columbia, MD.

Ellen Kenneally, BA, BSN, RN

Ms. Kenneally currently serves as Senior Clinical Data Coordinator at the North Shore LIJ Health System. In this role, she oversees distribution of workflow between full-time and per-diem RNs at six facilities, coordinates vendor-based data submission for three facilities and assists other site coordinators with system upgrades. She holds a great deal of expertise in data abstraction from outcome reports and reporting key findings back to physicians administrators. Prior to working as a Data Coordinator, Ms. Kenneally worked in the Cardiothoracic ICU. She received her Bachelor of Science in Nursing from Molloy College in Rockville Centre, NY.

Andrea Kennedy, BS

Ms. Kennedy received her B.S. in Information Technology from Peirce College in Philadelphia, PA. She has worked at Nextgen/MicroMed Healthcare, Inc., Radian Guaranty and The Children's Hospital of Philadelphia. She currently works as the Lead Data Management Specialist at CHOP. She acts as data manager for all cardiac center registries, leads the coordination of all implementation tasks involving third party vendors as well as provides consultation internal clients on system implementation for the IMPACT Registry. She supervises staff across all levels in collecting data with high validity and assurance, creates training programs and manuals to assist in data entry and collection efforts and supports outcome assessment, both clinical and scientific to help achieve hospital goals.

Michael Kontos, MD, FACC, FAHA

Dr. Kontos, is an associate professor at the Virginia Commonwealth University Medical Center (formerly Medical College of Virginia) in Richmond, VA and holds joint appointments in the Departments of Internal Medicine/Cardiology, Emergency Medicine and Radiology. He received his MD degree in 1988, and completed residency and his Cardiology training, including an additional year in echocardiography, at the Medical College of Virginia. His primary research interests are the identification and treatment of patients with acute coronary syndromes, with a focus on the applications of imaging, including echocardiography myocardial perfusion imaging, and cardiac biomarkers for identification and risk stratification.

A fellow of the ACC and American Heart Association, Dr. Kontos serves as a reviewer for *JAMA*, *Circulation*, *Journal of the American College of Cardiology*, *Annals of Emergency Medicine*, *American Journal of Cardiology*, *American Heart Journal*, as well as other journals. He has served as site investigator on a number of multicenter studies investigating treatment in acute myocardial infarction and acute coronary syndrome. He speaks frequently in academic and professional venues. Dr. Kontos has contributed over 120 articles and 100 abstracts for publications in journals that include *Circulation*, *Journal of the American College of Cardiology* and *Annals of Emergency Medicine*. He is editor of the Biomarker community on the Cardiosource. He is currently the Medical Director of the Coronary Intensive Care Unit at Virginia Commonwealth University Medical Center, as well as Co-Director of the Stress Laboratory and Director of the Chest Pain Center.

Christina Koutras, RN, BSN, CPHQ

Ms. Koutras joined the ACC in April 2010. She is now the Program Manager for both the ICD Registry and the IMPACT Registry. She received her Bachelor of Science in Nursing Degree from the University of Maryland. She proceeded directly into an ICU Fellowship program at the Washington Hospital Center, Washington, DC post-graduation. She brings with her to the NCDR her past nursing experience in the areas of surgical intensive care, cardiovascular recovery, cardiac catheterization, and the electrophysiology lab.

Richard J. Kovacs, MD, FACC

Dr. Kovacs is a professor of clinical medicine at the Indiana University School of Medicine and the clinical director of the Krannert Institute. A graduate of the University of Cincinnati School of Medicine, Dr. Kovacs completed an internship and residency at the Indiana University Medical Center. His fellowship training also was at Indiana University, where he served as chief fellow and chief medical resident.

Dr. Kovacs served on the full-time faculty of the Indiana University School of Medicine for four years when he became the Medical Director of the Department of Medical Research at Methodist Hospital. He ultimately assumed the position of Medical Director and CEO of the Methodist Research Institute. Dr. Kovacs became a senior clinical research physician at the Lilly Research Laboratories in Indianapolis prior to returning to a full-time faculty position at Indiana University. As a clinical cardiologist, Dr. Kovacs' special interests include non-invasive cardiology and electrocardiography. He is a consultant to international drug regulatory agencies and the pharmaceutical industry regarding the assessment on non-cardiac drugs for cardiac safety.

Dr. Kovacs is the clinical director of the Krannert Institute of Cardiology. His duties include coordination of care across all hospitals serviced by the Krannert Institute. He is the medical director of the Clarian/Methodist Chest Pain Center, a member of the Indiana University Hospital Operations Team and the Methodist Facility Leadership Committee. He also serves as physician advisor to the Cardiac Diagnostics Department at Clarian West Hospital, is vice- chairman of the Cardiovascular Sub-Section at Clarian North Hospital and serves as acting chief of the Cardiology Service at Wishard Memorial Hospital.

Mark S. Kremers, MD, FACC

Dr. Kremers is the chairman of the ICD Registry Steering Committee. He is a private practice cardiac electrophysiologist with MidCarolina Cardiology in Charlotte, North Carolina. Dr. Kremers received his MD from the Indiana University School of Medicine. He trained in internal medicine and cardiology at The University of Texas Southwestern Medical Center in Dallas. After completing his electrophysiology training at The Hospital of the University of Pennsylvania, he returned to Dallas to direct the electrophysiology program at Parkland Hospital and the University of Texas Southwestern Medical Center. Dr. Kremers is a Fellow of the American College of Cardiology and the Heart Rhythm Society, is board-certified in cardiology and cardiac electrophysiology and has certification as a Cardiac Device Specialist.

Harlan M. Krumholz, MD, SM, FACC

Dr. Krumholz is the Harold H. Hines Jr. Professor of Medicine and Epidemiology and Public Health in the Section of Cardiovascular Medicine at Yale University School of Medicine. He received his B.S. from Yale College in 1980 and his medical degree from Harvard Medical School in 1985. He completed his residency and was Chief Resident at Moffitt Hospital, University of California, San Francisco. Dr. Krumholz completed a cardiology Fellowship at Beth Israel Hospital, Harvard Medical School. He also received a Master's degree in Health Policy and Management from the Harvard School of Public Health in 1992.

Dr. Krumholz's research is focused on determining optimal clinical strategies and identifying opportunities for improvement in the prevention, treatment and outcome of cardiovascular disease, with an emphasis on under-represented populations. He is leading efforts with the Centers for Medicare and Medicaid Services (CMS) to develop national outcomes measures for public reporting of hospital performance. Dr. Krumholz's research has been funded by the National Institutes of Health, the Agency for Healthcare Research and Quality, the Department of Defense and CMS.

Dr. Krumholz chaired the steering committee for the Door-to-Balloon (D2B) Alliance for Quality and is chair of the steering committee for the Hospital to Home Initiative. He has participated in the development of multiple ACC/AHA guidelines and performance measures and in the development of appropriate use criteria for nuclear imaging. He is a member of the Institute of Medicine and has received multiple awards, including an Award of Meritorious Achievement from the AHA, and has published nearly 500 peer-reviewed publications. He is founding editor of *Circulation: Cardiovascular Quality and Outcomes* and editor in chief of *Journal Watch: Cardiology*.

Steven V. Manoukian, MD, FACC, FSCAI

Dr. Manoukian is Vice President and Medical Director of Cardiovascular Services for the Clinical Services Group (CSG) of the Hospital Corporation of America (HCA) in Nashville, Tennessee. In this role, he leads Cardiovascular Services for HCA and collaborates with operations, Physician Services, the HealthTrust Purchasing Group (HPG) and other diverse groups within HCA to enhance quality, healthcare value and cultivate this important service line. Dr. Manoukian has been with HCA since 2008 and prior to being promoted to his current position, served as Director of Cardiovascular Research, Sarah Cannon Research Institute (SCRI); Medical Director, Cardiovascular Services, CSG; and Interventional Cardiologist, Centennial Heart Cardiovascular Consultants.

Dr. Manoukian is a skillful physician leader and researcher whose clinical, research and strategic skills benefit HCA. At SCRI, he founded a cardiovascular research network which stretches nationwide. He remains a leader in cardiovascular trials, is national principal investigator for SCRI's first multicenter cardiovascular trial, lectures at major national and international meetings and has over 40 peer-reviewed publications. At CSG, he is developing partnerships with organizations such as the ACC and the Society of Thoracic Surgeons which will leverage clinical performance data in new quality improvement programs, in areas such as the cardiac catheterization laboratory and cardiovascular surgery, resulting in superior patient outcomes, reduced clinical variation and better healthcare value. His performance advances HCA's agenda for safe, effective and patient-centered care.

Beyond performance improvement, Dr. Manoukian has several other notable roles. He is helping lead Cardiovascular Vertical Integration, which is setting the foundation for enhanced quality and growth in HCA's major cardiovascular markets. For Care Assure, he serves as Medical Director; this unique care coordination and delivery product has already had notable impact across the organization. For the Cardiovascular Information Systems initiative, he is the Business Owner and works closely with IT&S. Lastly, he is a member of the HPG Physician Steering Committee, offering clinical expertise to help drive higher quality and healthcare value through supply chain opportunities. Before joining HCA, Dr. Manoukian was Director of Interventional Cardiology at Emory University Hospital-Midtown and served 19 years at Emory University School of Medicine in Atlanta, Georgia, one of the nation's premier cardiovascular programs. Originally from New York, New York, he graduated from the New York University School of Medicine and completed his residency and chief residency in internal medicine at the State University of New York at Stony Brook. He completed fellowship training in Cardiology and Interventional Cardiology at Emory University and is board certified in internal medicine, cardiology and interventional cardiology.

Dr. Manoukian is a Fellow of the ACC and Society for Cardiovascular Angiography and Interventions. He has served in numerous local, regional and national roles of increasing responsibility for these and other organizations, including the American Heart Association. Among his many honors and awards, he is a recipient of the Emory University School of Medicine Excellence in Teaching Award. He was also a Medical Reporter for FOX5 WAGA TV in Atlanta from 1998-2008.

Danica Marinac-Dabic, MD, PhD

Ms. Marinac-Dabic, is a Director of the Division of Epidemiology at the Food and Drug Administration (FDA), Center for Devices and Radiological Health (CDRH). She has over 20 years of experience in obstetrics, gynecology, perinatal epidemiology, and regulatory science and surveillance settings. A physician and an epidemiologist by training she is in charge of scientific oversight of all device post-market studies mandated by FDA either as a condition of approval or anytime post-market. Dr. Marinac-Dabic also oversees the CDRH's Epidemiologic Regulatory Science Program charged with advancing the methodologies and infrastructure for evidence development and appraisal with application to medical device regulatory science.

Under Dr. Marinac-Dabic's leadership, in 2010 FDA launched its Medical Device Epidemiology Network (MDEpiNet) Initiative to develop national/international infrastructure and innovative methodological approaches for conducting robust studies and surveillance to improve medical device safety and effectiveness understanding throughout the device life cycle through Public Private Partnership with academia and other stakeholders. She also leads the FDA's International Consortium of Orthopedic Registries (ICOR) Initiative (launched in 2011) focusing on innovative approaches to regulatory science and surveillance for orthopedic medical devices/procedures through distributed model of over 30 national/international orthopedic registries capturing information on over 3.5 million orthopedic procedures worldwide. Under her leadership, in 2013 FDA launched its International Consortium of Cardiovascular Registries (ICCR) Initiative designed to expand collaborative work between international cardiovascular registries and integrate it into medical device regulatory science, active surveillance and comparative effectiveness and safety research. Dr. Marinac-Dabic served as a Chair, of Medical Device Special Interest Group at International Society for

Pharmacoepidemiology and Therapeutic Risk Management (ISPE). She also serves on the Steering Committees of STS/ACC TVT Registry, AHRQ - funded TJ FORCE Registry, ICOR, and Oxford-based IDEAL Collaborative. Dr. Marinac-Dabic authored several book chapters, several dozens of manuscripts and invited presentations on various topics in the fields of medical device epidemiology and surveillance, registry development and utilization for medical device research, innovative methods for evidence synthesis and comparative effectiveness and safety research. She holds an Adjunct Professor position with several academic institutions.

Kimberly J. Marshall, RN, BSN

Ms. Marshall works as the Quality Improvement Specialist at Colorado Hospital in Aurora Colorado. Prior to that position, she served for several years as the Clinical Outcomes Coordinator at St Anthony's Hospital in Lakewood, Colorado where she also had worked as a staff and clinical nurse on a medical-surgical telemetry unit, a surgical-neurology-orthopedic unit, CCU, and CICU. She was a presenter at the 2013 September AHA Colorado STEMI Coordinators meeting, 2013 April AHA Mission:Lifeline Wyoming grant participants, 2010 AHA Mission:Lifeline Symposium, NCDR.13 'New Orientation' presenter, and presented posters at previous NCDR Annual Conferences. Kim received her AD in Nursing from the New Hampshire Technical Institute in Concord, New Hampshire, and her BSN from Regis University in Denver, Colorado. She also has a Bachelor of Arts in Biological Sciences from the University of California in Santa Barbara, California.

Gerard R. Martin, MD, FAAP, FACC, FAHA

Dr. Martin is the Senior Vice President of the Center for Heart, Lung and Kidney Disease; and, Medical Director for Global Services. He has been in practice at Children's National Health System since 1986. Dr. Martin was promoted to Professor of Pediatrics with Tenure at the George Washington University School of Medicine in 1995 and was the Chief of Cardiology from 1997 to 2009. He was named the C. Richard Beyda Professor of Cardiology in 2007.

Dr. Martin was educated at Syracuse University and the State University of New York, Upstate School of Medicine. After a residency at Brown University and the Rhode Island Hospital, he received his training in pediatric cardiology at the Cardiovascular Research Institute at the University of California, San Francisco. He has published over 100 peer reviewed manuscripts, book chapters and invited publications and has presented abstracts at over 90 meetings. Dr. Martin is an invited lecturer who has traveled to over 100 hospitals and universities within the USA as well as around the world. Additionally, Dr. Martin has been a volunteer on medical missions to third world countries. He has served in a consultant role within the United States as well as in South America, Asia and the Middle East.

Dr. Martin is board certified in pediatric cardiology, a fellow of the American Academy of Pediatrics and the ACC, and a member of the Society for Pediatric Research and the American Board of Pediatrics. He has served or is currently serving on the Subboard of Pediatric Cardiology, American Board of Pediatrics; the Chairman of the Section Adult Congenital and Pediatric Cardiology, ACC; a member of the American Board of Internal Medicine, Subboard of Adult Congenital Heart Disease; and, the Board of Trustees, ACC.

Frederick A. Masoudi, MD, MSPH, FACC

Dr. Masoudi is a practicing cardiologist at the University of Colorado. He received his medical degree from the Johns Hopkins University School of Medicine and served as a resident and Chief Resident in Medicine at the University of California, San Francisco. After completing his fellowship in cardiology and receiving a Masters in Science in Public Health at University of Colorado at Denver (UCD), Dr. Masoudi joined the faculty at UCD. He is currently a Professor of Medicine with tenure at the University of Colorado Anschutz Medical Campus.

Dr. Masoudi is an expert in clinical registries, quality measurement, and outcomes research in cardiovascular diseases. He served as the clinical coordinator of the Centers for Medicare and Medicaid Services-sponsored National Heart Care Projects from 1999-2005, and is currently the clinical coordinator of the CMS Hospital Measures Special Study for acute myocardial infarction and heart failure (2005-present). These efforts have focused on assessing and improving the health care for Medicare beneficiaries with cardiovascular disease, including those with heart failure. Specifically, these projects developed and maintained the quality measures implemented nationally to characterize the quality of care for hospitalized patients with heart failure. He is also the Senior Medical Officer of the NCDR, working with the ACC in operating seven national cardiovascular quality programs. He is clinical consultant to the University of Colorado Hospital Cardiovascular Quality Committee, which focuses on improving care across inpatient and outpatient settings.

Dr. Masoudi has published more than 165 peer-reviewed papers. Much of his work has focused on the quality of care for heart failure and outcomes of heart failure and acute coronary syndromes in the elderly population. He has also published on the topics of quality and safety of cardiovascular care; the effectiveness of therapy in community-based settings; the effect of comorbidity on treatment and outcomes, and patient reported outcomes in cardiovascular disease.

Dr. Masoudi holds positions in national organizations focused on quality of care and outcomes research. He served as the Chair of the ACC/AHA Task Force on Performance Measures (2007-2010); is the Chair of the AHA Quality of Care and Outcomes Council; and an Associate Editor of *Circulation: Cardiovascular Quality and Outcomes*.

Kristina McCoy, RN, MSN, NP-C, CPHQ

Ms. McCoy transitioned to her current position in Quality Measurement in October, 2013, where she focuses on developing datasets, metrics and reports for NCDR. Prior to this, she had been on the Clinical Quality Consultant team in the CathPCI, IMPACT and the STS/ACC TVT registries since she began with the ACC in 2007. She has ten years of CCU, ER and float pool nursing at tertiary care Washington, DC area hospitals. Kristina obtained her MSN from George Washington University, and is certified by the American Academy of Nurse Practitioners. She has undergraduate degrees in both Biology and Nursing. She worked in laboratory science and clinical research at the University of Rochester. She coordinated their neuromuscular histopathology lab to support diagnosis and treatment for patients with neuromuscular diseases. Her clinical trials experience ranges from studies with the Muscular Dystrophy

Association, NIH, Pfizer, Merck, Amgen and the Children's Oncology Group. During her time in pediatric cardiology, she supported the development of the NIH sponsored Pediatric Cardiomyopathy Registry. Her research has been published in various journals including *Circulation*, *Neurology* and the *New England Journal of Medicine*.

Karen McNickle, RN, BSN

Ms. McNickle is the Manager of Cardiovascular Data and Quality Outcomes at Dignity Health, St. Joseph's Medical Center. She also serves as the Dignity Health Corporate Cardiovascular Registry Business Sponsor and Database Vendor Liaison. Ms. McNickle received her Bachelor of Science in Nursing from Vanderbilt University and has over 15 years in cardiovascular critical care nursing as well as another 15 years in data management and quality improvement. She currently resides in Stockton, California and is looking forward to starting her Master's Degree in Nursing this spring.

Joan Michaels, RN, MSN, CPHQ, AACC

Ms. Michaels has been with the ACC for over five years. She is the Program Manager for the STS/ACC TVT Registry. Ms. Michaels is a registered nurse with over 25 years of experience working in the cardiovascular area. Prior to working at ACC, she held several management positions at Inova Fairfax Hospital in Falls Church, Va. Most recently, she was the Director of the NIH Cath Lab at Suburban Hospital in Bethesda, Maryland. Ms. Michaels received her BSN from the University of Pennsylvania, Philadelphia, Pennsylvania and her MSN from The Catholic University of America, Washington, DC.

Karl Minges, MPH

Mr. Minges is a Research Associate at the Center for Outcomes Research and Evaluation, Yale New Haven Hospital. He received his master's degree from Columbia University Mailman School of Public Health, and is currently a PhD Student at Yale Graduate School of Arts & Sciences. Mr. Minges has managed the TOP PCI study since its inception in September 2010, and is currently leading several TOP PCI-related research projects.

Caroline B. Morgan, RN, BSN

Ms. Morgan has over 30 years of experience in the management and care of patients with cardiac and peripheral vascular disease in both the ambulatory and hospital settings. Ms. Morgan attended Villanova University where she graduated with a Bachelor's of Science degree in Nursing. She worked in the catheterization laboratory for 26 years and was instrumental in the development of the Electrophysiology and Peripheral Vascular Programs. Most recently before joining the ACC, Ms. Morgan was part of the team that merged Interventional Radiology and the Cath Lab into one department with an integrated, multidisciplinary staff. She is recently retired as an Associate Professor for Geneva College, Beaver Falls, PA. Currently Ms. Morgan works as the Program Manager for the PVI Registry for NCDR. In her current role she is working toward the transition of the current CARE Registry to the PVI Registry.

Issam Moussa, MD, FACC, FSCAI

Dr. Moussa, is Chief Medical Officer of iHeart Inc. and Medical Director of CVPD (Cardiac & Vascular Physicians of Dallas), Dallas, TX. Dr. Moussa attended Damascus University Medical School where he earned the M.D. degree. He then completed an internship in internal medicine at Georgetown University Medical Center. Dr. Moussa moved to California where he completed a residency in internal medicine and a fellowship in cardiovascular medicine at the University of California, Irvine Medical Center. He further trained at Lenox Hill Heart and Vascular Institute in New York City where he completed separate fellowships in cardiovascular medicine and interventional cardiology. Prior to joining iHeart in Dallas, TX, Dr. Moussa served as Director of Clinical research at Lenox Hill Heart and Vascular Institute (1998-2004), Director of Endovascular Services/Cardiovascular Division at New York Presbyterian Hospital at Columbia and Cornell Universities (2004-2010), and subsequently as Professor & Chair of the Division of Cardiovascular Diseases at Mayo Clinic in Florida (2011-2014).

As an interventional cardiologist, Dr. Moussa specializes in performing catheter-based cardiovascular procedures in patients with complex coronary artery disease, structural heart disease, and peripheral arterial disease. Dr. Moussa has been on the forefront in advancing the medical sciences by investigating new cutting-edge therapies such as renal sympathetic denervation and cardiac stem cell therapy. Dr. Moussa has been an investigator in over 100 clinical trials, and has co-authored over 200 peer-reviewed articles in prominent journals such as *New England Journal of Medicine*, *Circulation*, *Journal of the American College of Cardiology*, and *Catheterization and Cardiovascular Interventions*. He is currently the editor-in-chief of the journal of *Acute Cardiac Care* and associate editor of the journal of *Catheterization and Cardiovascular Interventions*.

Dr. Moussa serves on many national leadership committees including the American Heart Association and the ACC and he currently serves as Chair of the Steering Committee of the American College of Cardiology NCDR CathPCI Registry.

Sheila Nichols, RN, CCRN

Ms. Nichols currently works at the Cleveland Clinic as Data Registry Nurse in the Electrophysiology and Pacing Department. She is the Registry Site Manager for the ICD Registry and has implemented a multi-faceted approach to improve compliance with the documentation required by the registry. She served on the ICD Registry 2014 planning workgroup and was a poster presenter at the NCDR.13. She performs ICD Registry audits for external contracted and affiliate hospitals and serves on the Ohio Thoracic and CV Data Managers steering committee. Ms. Nichols earned her Bachelor of Science in Nursing from Ohio University.

WILLIAM OETGEN, MD, MBA, FACC, FACP

Dr. Oetgen is Executive Vice President of the ACC.

Oetgen is Clinical Professor of Medicine at the Georgetown University School of Medicine. He is on the Board of Directors of MedStar Health, Inc. and is chair of the MedStar Health Corporate Finance Committee. Oetgen was Chief of Cardiology at Greater Southeast Community Hospital and co-founded both the Maryland Health Care Associates and Apollo Medical Management Company. Oetgen retired from practicing cardiovascular medicine in 2010.

Oetgen completed his internship and residency in internal medicine and pediatrics at Walter Reed Army Medical Center where he was trained in adult cardiovascular disease and served as the Director of the Coronary Care Unit. His active duty Army service as assistant chief of cardiology ended in 1986 and he retired as colonel in the medical corps of the U.S. Army Reserve in 1999.

Oetgen earned a medical degree *cum laude* from Saint Louis University School of Medicine and an undergraduate degree from Marquette University. Oetgen earned a master of business administration degree from Georgetown University in 1996 and a Bachelor of Science degree in accounting from the University of Maryland University College in 2001.

Patrick O’Gara, MD, FACC

Dr. O’Gara is the director of clinical cardiology at Brigham and Women’s Hospital and professor of medicine at Harvard Medical School in Boston, MA. His clinical activities are focused on patients with valvular heart disease, aortic disease, complex coronary artery disease and other structural heart diseases. Since 2001, he has been named annually among the Top Doctors in Boston and the U.S. O’Gara is the past co-chair of the ACC’s 2012 Scientific Session program committee and has co-directed the ACC Board Review Course for Certification and Recertification for the past decade. He served as chair of the American Heart Association’s (AHA’s) Council on Clinical Cardiology from 2003-2005 and as editor of *Heart Insight* magazine from 2006 to 2011. In 2011, he received the Paul Dudley White Award from the Boston Division of the AHA Founder’s Affiliate and the Laennec Master Clinician Award. In 2012, he was honored with the Laennec Clinician Educator Award. O’Gara was chair of the writing committee for the 2013 ACC/AHA Guideline for the Management of ST-Elevation MI and has participated in several other guideline, expert consensus, scientific advisory and appropriate use criteria writing groups. Additionally, he is steering committee co-chair of the National Heart, Lung, and Blood Institute’s Cardiothoracic Surgery Network.

Shilpa Patel

Ms. Patel is a Senior Specialist of Quality Initiatives for the ACC. Her focus is on tool kit development, implementation of best practices and management of project communities. Currently, she is the program manager of the Hospital to Home Initiative, and provides expertise on strategy and implementation for the Patient Navigator and Surviving MI Initiatives. Prior to joining the ACC, Ms. Patel worked at the Advisory Board Company as a Senior Marketing Associate, and completed an internship at The Johns Hopkins Hospital in Baltimore Maryland focused on quality improvement. Ms. Patel graduated from Auburn University in 2007 with a degree in Health Services Management, and completed the American Association of Medical Society Executives leadership Academy. She also serves on the Auburn University Health Administration Advisory Council and is a member of the American College of Healthcare Executives.

Denise M. Pond, RN, BSN

Ms. Pond joined ACC two years ago after spending many years as a critical care nurse and educator in a 300 bed acute care hospital located in the suburbs of Washington, DC. Her most recent position at that organization was as a Research Coordinator for multiple studies, e.g., DESERT: (Drug Eluting Stent Event Registry of Thrombosis) The National DES (Drug Eluting Stent) Thrombosis Registry, PARIS Registry: Patterns of Non-Adherence to Anti-platelet Regimens In Stented Patients: An Observational Single Arm Study, and GORE EMBOLic Filter in Carotid StEnting for High Risk Surgical Subjects (GORE EMBOLDEN). She received her nursing degree from University of Maryland, where she became a member of Phi Kappa Phi, the National Honor Society.

Beth Pruski, RN, MSN, CCRN

Ms. Pruski recently joined the NCDR team as Registry Manager for the ACTION Registry-GWTG. She earned her Bachelor of Science in Nursing from Boston College and her Master of Science from The Catholic University of America in Washington, DC. Prior to joining us at ACC, Beth worked at Holy Cross Hospital in Silver Spring, MD as Nursing Director of the Intensive Care Unit and Coronary Care Unit.

Martha Radford, MD, FACC, FAHA

Dr. Radford received her BS (genetics) and MA (molecular biology) from University of California, Berkeley in 1970 and 1973, and her MD from Harvard Medical School in 1978. She trained in internal medicine at Brigham and Women’s Hospital, and in cardiovascular disease at Duke University Medical Center. From 1984-1998, she was a member of the cardiology faculty at the University of Connecticut, School of Medicine. Since 1998, Dr. Radford has devoted her professional life to quality and outcomes of care as Director of Clinical Quality for the Yale New Haven Health System (1998-2005) and Chief Quality Officer for NYU Langone Medical Center (since 2005).

Dr. Radford first became involved with quality improvement and quality related research as a consultant to the Health Care Financing Administration (later the Center for Medicare and Medicaid Services) and its innovative Cooperative Cardiovascular Project. She has actively collaborated with outcomes research groups at Yale and at Washington University (St. Louis), with a focus on effectiveness and outcomes of care.

Anthony Roberts RN, MBA, MSN, CCRN

With a diverse background as both a clinician and an administrator, Mr. Roberts has over 15 years of healthcare leadership experience. For the past three years he has held the position of Assistant Vice President of Cardiovascular Services with the Clinical Services Group of HCA. He is responsible for leading and developing Cardiovascular Service Line strategies to advance clinical performance for all 164 HCA facilities. This includes using data to benchmark and improve clinical performance, with enterprise accountability for the STS Registry, NCDR Registries, and Core Measures (including stroke, AMI, outpatient AMI, and CHF). Recently, he transitioned to an operational role as Vice President of Cardiovascular and Emergency Services for the 14 hospital North Texas Division of HCA in Dallas Texas. In this new role the focus is to develop an integrated service line that allows for structure, governance and incentives to accomplish improvement in quality, patient/physician satisfaction, growth, and operational efficiency. Prior to joining HCA, Mr. Roberts held clinical and operational roles at both teaching hospitals and community hospitals,

including Duke University Medical Center, Wishard Health Services, Indiana University Health, and Community Hospitals of Indianapolis. Over his clinical career he gained diverse experience in the emergency department, cardiac catheterization lab, neurosurgery ICU, trauma ICU, and cardiovascular ICU. He also has experience in executive operations oversight of cardiology physician practice, critical care, emergency services, observational unit, medical-surgical telemetry, progressive care, cardiac catheterization labs (including preparation and recovery), cardiovascular outcomes and charge reconciliation, telemetry services, interventional radiology, dialysis, and PICC team. He has been a part of two start-up hospitals: Indiana University Health North and The Indiana Heart Hospital, the first all-digital hospital in the U.S. and a G.E. Healthcare Beta Site.

Mr. Roberts has a master's degree in business administration and a master's degree in nursing administration from Anderson University and a bachelor's degree in nursing from Purdue University. He is certified in critical care nursing. In 2012, he was appointed to the NCDR Board of Managers and the National Blue Cross Blue Shield Cardiac Distinction Panel.

Susan Rogers, RN, MSN, NE-BC, AACC

Ms. Rogers joined the NCDR staff in 2009 as the Associate Director of the ACTION Registry-GWTG and is now also responsible for the D2B Alliance. She has 24 years of hospital and leadership experience in the Cardiac Critical Care arena. Prior to her position with the NCDR, Ms. Rogers served as critical care nurse in the Cardiac ICU and moved into supervisory roles. She was responsible for the development and implementation of the Chest Pain Observation Unit, and the development of quality improvement initiatives involving the care of the STEMI and NSTEMI patient populations. She holds her RN Diploma from Norfolk General School of Professional Nursing and both a Bachelor degree in Nursing and a Master degree in Nursing Administration from George Mason University in Fairfax, Virginia.

John Rumsfeld, MD, PhD, FACC

Dr. Rumsfeld received his medical degree from the University of Chicago (1991) and doctoral degree in Epidemiology from the University of Colorado (1999). He completed internal medicine internship and residency at the University of California, San Francisco (1991-1994), and cardiology fellowship at the University of Colorado (1995-1999).

Dr. Rumsfeld is the National Director for Cardiology for the U.S. Veterans Health Administration (VA). He is also the National Director of the VA Cardiovascular Assessment, Reporting and Tracking (CART) Program. Dr. Rumsfeld serves as the Chief Science Officer and Chair of the NCDR. He is also the current Chair of the American Heart Association's Quality of Care and Outcomes Research (QCOR) Council, and Associate Editor for *Circulation: Cardiovascular Quality and Outcomes*. Dr. Rumsfeld is Professor of Medicine at the University of Colorado School of Medicine and staff cardiologist at the Denver Veterans Affairs Medical Center.

Lara Slattery, MHS

Ms. Slattery is currently Senior Director for Scientific Reporting at the ACC, which includes oversight for clinical data reporting from the NCDR to key stakeholders such as payers, government agencies, states and regional organizations, and health systems. This area has expanded to include voluntary public reporting by hospitals. She also oversees the teams responsible for developing performance measures and metrics, including translating measures into cardiovascular clinical datasets used for reporting to hospitals and practices in registries. She works with the team overseeing the research and publications process for the NCDR, including managing partnerships with three external academic research centers. She has over 20 years of experience working for various health-related organizations, including maternal/child and women's health and mental health. She joined the ACC in 2003. Ms. Slattery received her master's in health sciences from Johns Hopkins University in 2000.

Ronald Spencer, RN, BS

Mr. Spencer is a registered nurse and the Administrative Director of Quality Outcomes at Bon Secours Saint Francis Health System in Greenville, South Carolina. His 18 year nursing career has taken him from bedside cardiac nursing to nursing leadership and finally organizational quality opportunities. He holds a Baccalaureate Degree and will complete his Graduate Degree this spring. Mr. Spencer earned his Six Sigma Green Belt in 2009 and utilizes many of these processes to transform his organization. His work in quality provided him with an opportunity to be an examiner for the South Carolina's Governor's Award program. Mr. Spencer and his team have recently developed successful processes producing consistent door to balloon times of less than 35 minutes, maintained all cause CHF and AMI readmission rates at or below 12 percent, improved STEMI and NSTEMI mortality rates, and reduced organizational CATH/PCI associated complication rates. His sound understanding of change management and team building has created a safer more reliable healthcare system. He recently became an active partner in the South Carolina Safe Care program. This program design is centered on the creation of highly reliable healthcare organizations throughout the state and nation. His sound understanding of transformational leadership qualities and high reliability initiatives continue to produce excellent outcomes.

James Tcheng, MD, FACC, FSCAI, FESC

Dr. Tcheng, is a Professor of Medicine and Professor of Community and Family Medicine (Informatics) at Duke University Medical Center in Durham, North Carolina. He serves as the Director of Performance Improvement for the Division of Cardiology, the Director of the Duke Information Systems for Cardiovascular Care (also known as the Duke Cardiovascular Databank), and the Director of Information Technology for the Duke Heart Center.

Dr. Tcheng attended medical school at Johns Hopkins University and completed residency in internal medicine at Barnes Hospital in St. Louis, MO in 1985. He attended Duke University for cardiology fellowship, and was appointed to the faculty of Duke in 1988.

Dr. Tcheng is a practicing interventional cardiologist who has performed over 3,500 angioplasty procedures. He is a faculty member of the Duke Clinical Research Institute and has expertise in the design, conduct, interpretation, and presentation of clinical trials, including the development of clinical guidelines, care algorithms, and clinical decision support. His areas of clinical expertise include the study and application of antiplatelet and antithrombin therapeutics and the design and engineering of coronary angioplasty systems. Specifically, his clinical research interests have focused on several areas, including direct angioplasty and stenting in

acute myocardial infarction, excimer laser angioplasty in cardiovascular disease, the platelet glycoprotein IIb/IIIa inhibitors in coronary intervention and the acute coronary syndromes, and the newer antithrombin agents in vascular disease.

More recently, he has been a member of the Cardiovascular Expert Panel of the Certification Commission for Healthcare Information Technology and a member of the Clinical and Technical Workgroup of the North Carolina Health Information Exchange. He is currently Chair of the Informatics Committee of the ACC and a member of the Management Board of the NCDR and the ACC/AHA Task Force on Clinical Data Standards. His current work focuses on harmonizing operational definitions of cardiovascular clinical data elements across diverse stakeholders including academia, FDA, the life sciences industry, professional societies, and standards organizations, to improve the capture, communication, interoperability, and analysis of healthcare information.

Dawn Terry, RN, BSN, MBA

Ms. Terry is the Principal, Cardiovascular (CV) Services with Premier, based in Charlotte, NC with an office in Detroit, MI. She has been with Premier for 11 years and also has been the Managing Principal, Breakthrough Series (BTS) and Cardiovascular Services as well as a Cardiovascular consultant with Premier for four years. The BTS program focuses on facilitating the collaborative series programs to improve the quality and cost of clinical and supply chain initiatives for Premier's members. Cardiovascular consulting services focus on the member hospitals and health-care systems to improve their provision of cost-effective cardiovascular diagnostics and medicine. She received her MBA from Oakland University in Rochester, Michigan and her Bachelor of Science in Nursing from the University of Detroit. She is a published author who has spoken to numerous professional groups, regionally and at national conferences.

Elizabeth Walsh, RN

Ms. Walsh is a registered nurse with ten years of clinical research experience in the conduct of complex/high risk cardiovascular clinical trials in patients with aortic valve disease, thoracic aortic disease, heart failure and other cardiovascular diseases. She currently works at the Hospital of the University of Pennsylvania as a Clinical Research Nurse Supervisor in the Division of Cardiovascular Surgery. She is responsible for day-to-day supervision of research nurses and coordinators in the management of multiple, industry-sponsored and investigated initiated clinical trials from Phase 1 trials through post-market research. She has experience in all aspects of protocol development, submission of regulatory documents and preparation and FDA audits for PMA application. Ms. Walsh is currently working on her Master of Science in Nursing and Master of Business Administration at La Salle University in Philadelphia.

Susan Weinstein, RN, BSN

Ms. Weinstein is an RN, BSN graduate from the University of Wisconsin-Eau Claire. Currently, she works at Wellstar Health System in Georgia as the ICD Database Manager. She has been in this position for close to three years. Prior to that, she abstracted for various databases within the Wellstar Health System including the NCDR CathPCI Registry and STS Open Heart. She was also the coordinator for the Kennestone Regional Medical Center's Cardiac Performance Improvement Committee for three years. Early in her career, Ms. Weinstein was a Captain in the U.S. Air Force stationed at Wilford Hall and Scott Air Force base. She also served in the reserves in Okinawa and McGuire AFB, NJ. Over the years her work settings have included office-based nursing, med/surg, ED, ICU, and Cath lab.

R. Jeffrey Westcott, MD, FACC

Dr. Westcott is an interventional cardiologist at the Swedish Heart and Vascular Institute in Seattle. He serves as Medical Director for the cardiac catheterization laboratory. He has a long standing interest in health information technology and has written multiple cardiovascular applications. Dr. Westcott is a member of the ACC Healthcare IT Task Force and is a member of the NCDR SQOC Data Governance Subcommittee. He is the chairman of the Epic cardiology steering committee.

Christopher J. White, MD, FACC, FSCAI, FAHA, FESC

Dr. White graduated AOA from Case Western Reserve Medical School in Cleveland, Ohio in 1978 and completed his residency in Internal Medicine and fellowship training in Cardiovascular Diseases at Letterman Army Medical Center from 1978 thru 1983. He then joined the Staff of Letterman Army Medical Center as the Director of the Cardiac Catheterization Laboratory and Director of Cardiovascular Research in 1983. In 1985 he became the Director of the Catheterization Laboratory at Walter Reed Army Medical Center and Director of Cardiovascular Research until leaving active duty to become the Director of the Catheterization Laboratory at the Ochsner Clinic in 1988. In 1994, he moved to Scotland, to become the Director of Invasive Cardiology for HCI Medical Center in Glasgow until returning to Ochsner in 1997 as Chairman of the Department of Cardiology and Medical Director of the John Ochsner Heart & Vascular Institute. In 2013 he was named Chairman of the Department of Medicine at Ochsner. He has received Teacher of the Year awards at both Letterman and at Ochsner. He was recently honored as the Physician Leader of the Year at Ochsner and Mentor of the Year in the Department of Cardiology.

Dr. White recently completed two-terms as the Editor-in-Chief of *Catheterization and Cardiovascular Interventions* and currently serves as Associate Editor for *Journal of the American College of Cardiology: Interventions*. He is a Board Member for Accreditation for Cardiovascular Excellence (ACE) and the National Steering Committee Chairman for the NCDR CARE Registry. He has published more than 200 peer-reviewed manuscripts related to interventional cardiology and peripheral vascular diseases, including carotid stenting and acute stroke intervention. His major interests have centered on "device" development including developing an angioscope, a laser angioplasty catheter, and the Wiktor™ coronary stent. His current research interests involve systemic hypothermia for acute heart attacks, the development of appropriateness criteria for peripheral vascular interventions and stroke prevention with both intra-cranial and extra-cranial stent placement.

Paul D. Varosy, MD, FACC

Dr. Varosy currently works as the Director of Cardiac Electrophysiology at the VA Eastern Colorado Health Care System and as an Associate Professor of Medicine at the University of Colorado, Denver. He completed his medical training at the University of California, San Francisco and the University of California, San Diego. Dr. Varosy is a fellow of the ACC, Heart Rhythm Society and

the American Heart Association's Quality of Care and Outcomes Research (QCOR) Council. He serves as chair of the Research and Publications subcommittee for NCDR's ICD Registry, as Chair of the Heart Rhythm Society (HRS) Quality Improvement Subcommittee and co-chair of the HRS Performance Measures Development Task Force. His interests focus on measuring and improving the quality of heart rhythm care.

Robert Vincent, MD, CM, FACC

Dr. Vincent received his B.Sc. and medical degrees from McGill University in Montreal, Canada. Following Pediatric Residency at Montreal Children's Hospital, he did his Pediatric Cardiology Fellowship at Boston Children's Hospital. He then returned to Canada for three years as a Pediatric Cardiologist at the University of Manitoba before joining the faculty at Emory University where he has spent the last 27 years. During this time he has been Medical Director of the Heart Transplant Service as well as Director of the Cardiac Catheterization Laboratories. He has served as Chairman of the Congenital Heart Disease Committee of SCAI, is immediate Past President of the Georgia Chapter of the ACC and past member of the Board of Governors of the ACC. He has been a member of the IMPACT Registry Steering committee since its inception and is currently Vice Chairman of this Committee.