

NCDR.2017 Faculty Biographies

Cornelia Anderson, BSN, RN, CPHQ, AACC
Ms. Anderson joined the American College of Cardiology's (ACC) National Cardiovascular Data Registry (NCDR) as a Senior Specialist in 2012. She became Program Manager for the CathPCI Registry in 2014 and, in addition, for the IMPACT Registry in 2015. Ms. Anderson is a Registered Nurse in the state of Maryland with over 25 years of diverse acute care experience including ACLS ambulance transportation, IV therapy, cardiovascular care specific to pre and post interventional procedures, Cath Lab and the Emergency Department (ED). As a supervisory in the ED, Ms. Anderson helped facilitate the adoption of Advance Triage Protocols to support rapid assessment and intervention. She was selected as the unit representative for the Cerner Initiative (implementation of EHR) while working in the ED and again on transitioning to the Cath Lab. She received her Bachelor of Science in Nursing from Columbia Union College in 1987.

Robert Anthony
Robert Anthony is a Senior Policy Advisor in the Office of Clinical Quality Standards and Patient Safety in the Office of the National Coordinator for Health Information Technology. He was most recently the Deputy Director of the Quality Measurement & Value-Based Incentives Group (QMVIG) in the Center for Clinic Standards and Quality (CCSQ) at the Centers for Medicare & Medicaid Services (CMS), where he oversaw the implementation of over 20 quality measurement and public reporting programs, including the Quality Payment Program (QPP, MACRA), the Physician Quality Reporting System (PQRS), the Hospital Inpatient Quality Reporting (IQR) Program, and the EHR Incentive Programs (Meaningful Use). Rob also oversaw the development and implementation of many of the public compare websites (Physician Compare, Hospital Compare, Dialysis Facility Compare, etc.) that made quality data available publicly so that patients could make more informed choices about health care providers. Prior to this, he was the Deputy Director of the Health IT Initiatives Group in CMS's Office of eHealth Standards and Services (OESS), where he managed policy and operations for the Medicare and Medicaid EHR Incentive Programs and coordinated eHealth and health IT initiatives related to 5010 and ICD-10 implementation, operating standards, administrative simplification, interoperability, and more.

Drew Baldwin, MD, MPH, FACC
Drew Baldwin is the Medical Directory for Quality at the Virginia Mason Heart Institute. He is an interventional cardiologist with experience in treating coronary disease, structural heart disease, and peripheral vascular disease. He sees patients in Seattle, WA, Federal Way, WA, and Juneau, AK. His interests include quality improvement, patient safety, and health equity.

Melissa Benson, RN, BSN, CCCC, COS
Melissa Benson is the Cardiovascular Patient Care Accreditation Specialist, System, at Lee Health System, Healthpark Medical Center, in Fort Myers, FL. Ms. Benson is actively engaged in all aspects of the Cardiovascular Service Line as it further develops, including using NCDR.

Ms. Benson is originally from Cincinnati, OH and received her Bachelors in nursing from Mount St. Joseph University. For her first job in the medical setting in 2001, she started as a CNA and worked her way up to a ED Tech (2003) through nursing school and finally was crossed trained in the ED-ICU in 2007 and settled into the ED at St. Elizabeth Medical Center. With the

encouragement of physicians from St. Elizabeth, she went on to the University of Cincinnati to begin in their Midwifery Program. Later she changed majors to the Family Nurse Practitioner (FNP) program and subsequently relocated to Ft. Myers, FL and Lee Health. Once at Healthpark, she switched to the distant learning program and ultimately decided to work on the health system, completing her MSN-LMBA dual degree from the College of Mount St. Joseph Standish, Maine. She will complete this program in April and graduate in May, 2017.

In her spare time, Ms. Benson enjoys being with her family—two sons (20 and 18), fiancé, father and his wife. She loves to travel and hopes to see every location mentioned in the Blue Zones study one day as well as walk the 11-day Camino de Santiago trail, featured in the movie The Way. Hobbies include puzzles, cooking, gardening, movies, reading, painting and writing.

David Bonner, RT (R), CV ARRT
Mr. Bonner is the Director of NCDR Clinical Operations, and has been with the American College of Cardiology and NCDR for the past ten years. Mr. Bonner is currently an ARRT Board Registered Radiologic Technologist since 1995, and a Board Registered Cardiovascular Interventional Technologist since 1998. An experienced leader with 22 combined years of clinical experience and data registry expertise in the field of cardiovascular and peripheral vascular medicine, Mr. Bonner joined the NCDR on January 8, 2007 as a Senior Specialist for the ICD Registry. He currently lives in Washington, D.C. where he has actively participated in the cardiovascular medical community for 17 years. Mr. Bonner obtained a degree in Radiologic Technology, and successfully completed and maintains the American Registry of Radiologic Technologists board requirements for both Radiology and Cardiovascular Interventional Technology.

Ralph G. Brindis, MD, MPH, MACC, FSCAI, FAHA
Dr. Brindis is a Clinical Professor of Medicine at the University of California, San Francisco and serves on the affiliate faculty of the Phil R. Lee Institute of Health Policy Studies at UCSF. He presently is the Senior Medical Officer, External Affairs, for the ACC National Cardiovascular Registry (ACC-NCDR). Dr. Brindis was the President of the American College of Cardiology (ACC) from 2010 to 2011 and the Senior Advisor for Cardiovascular Disease for the Northern California Kaiser Permanente Medical Group from 2003 to 2012. He received his undergrad education at MIT and has a Master's Degree in Public Health from UCLA. He graduated Emory Medical School Summa Cum Laude. All of his graduate medical training was performed at UCSF as a Resident and Chief Resident in Internal Medicine and then as a Cardiology Fellow. Dr. Brindis has served previously as the ACC Governor of Northern California and as Past President of the California Chapter of the ACC. Dr. Brindis is past Chair of the ACC-NCDR Management Board now overseeing ten cardiovascular national registries assessing cardiac catheterization and angioplasty, implantable defibrillators, carotid stenting, percutaneous valve implantation, acute coronary syndromes, ambulatory cardiovascular medical management and congenital heart disease. He is past Chair of the ACC Appropriateness Use Criteria Task Force developing appropriateness criteria for non-invasive testing and coronary revascularization procedures in cardiovascular disease. He has also served as Chair of the ACC Quality Strategic Directions Committee. Presently he serves on the ACC/AHA Task Force for Clinical Practice Guidelines and the ACC Clinical Quality Committee. Dr. Brindis was the 2007 recipient of the national ACC Distinguished Fellow Award and granted the Master’s designation of the ACC in 2011. In 2016 he was inducted into the UCLA Fielding School of Public Health Hall of Fame.

Dr. Brindis is active as a volunteer in the American Heart Association (AHA) having served on the California Affiliate Board and previously as President and member of the Board of the AHA San Francisco Division. Dr. Brindis is the Chair of the Cardiac Advisory Panel of the State of California OSHPD initiative overseeing public reporting of hospital and physician specific CABG mortality along with serving on the Advisory Board of California's State Pilot program for PCI without surgical on-site capability. Dr. Brindis presently serves as a special government consultant on the FDA medical advisory panel for circulatory devices and has previously served as a panelist for MEDCAC. He presently serves on FDA's MDEpiNet National Registries Task Force, a public private partnership implementing innovative Post-market medical device surveillance strategies. Dr. Brindis serves as a panel member for the California Technology Assessment Forum (CTAF). He is performing consultative work with the Stanford Clinical Excellence Research Center assessing value in healthcare along with serving on the steering committee of SMARTCare, a CMMI project implementing innovative quality CV care for patients with ischemic heart disease. Dr. Brindis has well over one hundred and forty publications in peer reviewed cardiovascular journals.

Dr. Brindis is a general adult cardiologist following a career as an interventional cardiologist presently performing CCU and consultative cardiology with the UCSF medical residency and cardiology fellowship program. His major interest in process measures and outcomes assessment in cardiovascular care had led to helping create and implement various Cardiovascular Guidelines for Northern California Kaiser Permanente.

Dr. Brindis is married to Dr. Claire Brindis, Director of the Philip R. Lee Institute for Health Policy Studies and the Director of the Bixby Center for Global Reproductive Health both at UCSF. Their son Seth is an Emergency Medicine Pediatrician and son Daniel is an environmental lawyer employed by Greenpeace. Dr. Brindis swims on the USF Masters Swim Team and enjoys fine wine and too infrequent golf.

Robert Bunney, RN-BC, CCC
Robert Bunney has worked at Methodist Hospital in San Antonio, TX, since 2010, beginning as a Charge Nurse in the Cardiac Catheterization Laboratory Holding Area. Since 2015 he has been the Cardiovascular Coordinator, responsible for managing the ACC National Cardiovascular Data Registries and the Society of Thoracic Surgeons (STS) database for his institution. In this capacity he conducts numerous process improvement projects, develops and implements new processes for the cardiovascular service line, tracks and monitors all door-to-balloon times, and reviews cardiovascular mortalities for process improvement opportunities. He developed dashboards for easy, "at a glance" displays of data and progress for physician and high level meetings and participates in the cardiovascular service line meetings to fid effective ways to improve quality and reduce cost. Mr. Bunney received an Associate of Science Degree from Del Mar College, Corpus Christi, TX, in 2009 and is currently enrolled in a Master of Science in Nursing Administration Program at the University of Teas Arlington in Arlington, TX.

Robert M. Califf, MD, MACC
Robert M. Califf, MD, MACC, is Professor of Medicine at Duke University. He was the Commissioner of Food and Drugs in 2016-2017 and Deputy Commissioner for Medical Products and Tobacco from February 2015 until his appointment as Commissioner in February 2016.

Prior to joining the FDA, Dr. Califf was a professor of medicine and vice chancellor for clinical and translational research at Duke University. He also served as director of the Duke Translational Medicine Institute and founding director of the Duke Clinical Research Institute. A nationally and internationally recognized expert in cardiovascular medicine, health outcomes research, healthcare quality, and clinical research, Dr. Califf has led many landmark clinical trials and is one of the most frequently cited authors in biomedical science, with more than 1,200 publications in the peer-reviewed literature.

Dr. Califf is a Member of the National Academy of Medicine (formerly known as the Institute of Medicine (IOM)) in 2016, one of the highest honors in the fields of health and medicine. Dr. Califf has served on numerous IOM committees, and he has served as a member of the FDA Cardiorenal Advisory Panel and FDA Science Board's Subcommittee on Science and Technology. Dr. Califf has also served on the Board of Scientific Counselors for the National Library of Medicine, as well as on advisory committees for the National Cancer Institute, the National Heart, Lung, and Blood Institute, the National Institute of Environmental Health Sciences and the Council of the National Institute on Aging.

He has led major initiatives aimed at improving methods and infrastructure for clinical research, including the Clinical Trials Transformation Initiative (CTTI), a public-private partnership co-founded by the FDA and Duke. He also served as the principal investigator for Duke's Clinical and Translational Science Award and the NIH Health Care Systems Research Collaboratory coordinating center and co-PI of the Patient Centered Outcomes Research Institute Network. Dr. Califf is a graduate of Duke University School of Medicine. He completed a residency in internal medicine at the University of California, San Francisco and a fellowship in cardiology at Duke.

Ruth I. Cantu, BSN, RN, AACC
Ruth Cantu joined the ACC Accreditation Services (formerly the Society of Cardiovascular Patient Care) in January 2009 serving as an Accreditation Review Specialist for Chest Pain Center accreditations. She received her Bachelor of Science in Nursing from the University Of Texas San Antonio School Of Nursing and has a background including Cardio-Vascular Operating Room as well as Transplant Coordination and Education and tissue transplant program development.

Ruth worked in the Laboratory Diagnostics field as a Clinical Specialist. While in the diagnostics field, her role enabled Ruth to work with Emergency Departments, Chest Pain Centers and Laboratories to educate and facilitate process improvement, workflow development and assist in developing methods to improve turn-around-times and streamline processes of care.

In February of 2016 she transitioned to the role of Program Manager in addition to continuing to maintain her role as the laboratory diagnostics liaison. Ruth continues to serve as the key contact and facilitator to all major laboratory diagnostics vendors, as well as hospitals, to advise them on the latest guideline practice recommendations and provide education for diagnostic related criteria. She has presented talks at the American Association of Clinical Chemistry, the College of American Pathologists and various national webinars.

Patricia E. Casey, MSN, RN, CPHQ, AACC
Ms. Casey is the Associate Director for NCDR Training and Orientation, a position that she has held for over five 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 and a Research and Evidenced-Based Practice Nursing Council, and contributed significant revisions to the Clinical Ladder Program, as well as provided the on-going clinical support that helped to make the hospital the only one in Maryland and the greater Washington, 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 Permanente Mid-Atlantic States, where she managed the registries for Heart Failure, Diabetes, Coronary Artery Disease, Asthma, Depression, and Chronic Pain. Under her leadership, the Controlling High Blood Pressure program received the James A. Voh's Award for Quality and won 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 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 regional and national programs.

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 degree, focusing on Cardiovascular Nursing and Adult Education, from The Catholic University of America in Washington, DC.

Ravi Chari, MD, MBA
Ravi Chari's current position as Senior Vice President in Clinical Services Group is to lead HCA's Clinical Excellence agenda. This enterprise program is aimed at improving clinical and operating performance by identifying and reducing avoidable, negative clinical variation. Ravi also leads the HCA Physician Leadership Academy, which is focused on developing physician executive leadership capability to ensure HCA can more effectively execute at the division and facility level the increasingly complex clinical and operations agenda.
Ravi's career with HCA began in September 2008, when he accepted a position as Chief Medical Officer (CMO) at Centennial Medical Center. From October 2009 to March 2010, he also served as interim Chief Operating Officer (COO) of the Sarah Cannon Cancer Centers for the TriStar Division. In October 2010, Dr. Chari was promoted to TriStar Division CMO. In September 2011, he accepted a role in the corporate office as Vice President, Clinical Excellence in the Clinical Services Group (CSG). In 2015 he was promoted to HCA Senior Vice President, Clinical Excellence and in 2016, the role of COO, CSG was added to his list of responsibilities.

Ravi graduated as the W. S. Lindsey gold medalist from the University of Saskatchewan, College of Medicine in 1989 and completed his surgical residency at Duke University. Following the completion of his residency, he entered fellowship training at the University of Toronto in Hepatobiliary Surgery and Abdominal Organ Transplantation. His first staff appointment was at the University of Massachusetts Medical School. In 2001, he accepted a position at Vanderbilt

University Medical Center and rose to the level of Professor (with tenure) and Chief of the Division of Liver Surgery and Transplantation. In May 2008, he received his MBA degree from the Owen Graduate School of Management at Vanderbilt, graduating with the Dean's Award.

Ravi is an officer of the Foundation for Surgical Fellowships and past secretary of the Society of University Surgeons. He has authored or coauthored over 100 manuscripts in peer-reviewed journals and 30 chapters in textbooks and has been a member of 6 editorial boards, including Cancer and Surgery. Ravi lives in Nashville, Tennessee and is married to Sharon E. Albers, M.D. They have two children, Danielle, a senior at the Ensworth School, and Tristan, a junior at Vanderbilt University.

Barbara Christensen, MSHA, RN, CPHQ, AACC
Ms. Christensen is the Senior Director for the NCDR and oversees all operational and strategic activities of the hospital-based registry programs which include registry support, training and orientation, clinical quality teams, business development, and most recently international expansion initiatives. 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.

Ms. Christensen received her Bachelor of Science in Nursing from Loma Linda University, Loma Linda, CA in 1980 and her Master of Science in Healthcare Administration from the University of Maryland in 2004. She received her designation as an Associate of the American College of Cardiology in 2012.

Sarah Elizabeth Clarke, ACNP-BC
Sarah Clarke is a Nurse Practitioner in Interventional Cardiology and the Transcatheter Aortic Valve Program Coordinator at Scripps Memorial & Green Hospital, La Jolla, California, where she has worked since 2006. In this capacity she is responsible for coordinating the care of patients in a comprehensive TAVR program that treats low risk, intermediate risk, high risk, and inoperable patients. Under her leadership this program has grown from serving 13 patients in 2008 to approximately 300 patients per year at the present time.

Dr. Clarke received her Bachelors in the Science of Nursing from Purdue University, West Lafayette, IN; her Masters in Science of Nursing from the University of Cincinnati, Cincinnati, OH; and her Doctorate of Nursing Practice from Johns Hopkins University, Baltimore, MD.

Since 2012, Sarah Clarke has served on the Board of Directors for Girls Rising Mentor Program, an organization with a mission of empowering at-risk girls to recognize their value and pursue higher goals through a community of women mentors.

Karen Colbert, BSN, RN
Ms. Colbert transitioned to her current position at the ACC as a Clinical Quality Advisor in June, 2015, where she provides customer support to participating sites of the CathPCI Registry. She started her career as a military nurse stationed at Fort Dix, New Jersey. After military service,

she spent many years as a critical care bedside nurse specializing in cardiology in hospitals in the Washington, DC area. She also spent the last several years in a Nursing Education Department working with a Registered Nursing (RN) Residency Program for new graduate nurses who are making their transition from a school environment to unit and floor nursing. She received her BSN degree in 1983 from the University of Akron and is a member of the American Association of Critical Care Nurses.

Cindi Cole, BSN, RN, CCPC
Cindi Cole is a practicing nurse in Lynchburg, Virginia. Cindi is presently the Cardiac Quality Program manager of the Cardiac Service Line. She is also the coordinator of the Chest Pain Center Accreditation by the Society of Cardiovascular Patient Care, Heart Attack Disease Specific Certification and Advanced Heart Failure Certification by The Joint Commission and the coordinator of the Mission Lifeline Accreditation through the American Heart Association. She is a member of the Society of Cardiovascular Patient Care and the American College of Cardiology Door to Balloon Alliance. She is also a member of the Virginia Heart Attack Collation and is the Southern Regional coordinator which includes Lynchburg and the counties of Campbell, Appomattox, Amherst, Nelson, Pittsylvania and parts of Bedford. Cindi is a member of Blue Ridge Mended Hearts Chapter 16 and serves as the Cardiac Staff Adviser. She certified as a Chest Pain Center Coordinator

Cindi graduated from Lynchburg College with a BSN degree. She is married and has 2 boys. She enjoys running, reading, shopping and spending time with her family.

Shelly A. Conine, RN
Shelly Conine joined the ACC NCDR as a Clinical Quality Advisor in June, 2016. Mrs. Conine provides clinical support to participants of the ACTION Registry-GWTG. Mrs. Conine is a registered nurse with over fifteen years of experience in the field of Cardiology in Pre and Post Cardiac and Vascular Procedures, including eleven years of Nursing Management. Mrs. Conine began her nursing career at Washington Adventist Hospital in Takoma Park, Maryland where she was awarded Nurse of the Year in 2004. Mrs. Conine worked on several hospital based quality improvement programs and under her leadership, the Transcare Unit was one the most successful and highly rated units within the Adventist Healthcare organization. In addition, Mrs. Conine was instrumental in the implementation of the Transradial lounge in her unit; the first to open in the Washington, DC area. Prior to joining the ACC, Mrs. Conine was a Clinical Research Coordinator for multiple studies including HARMONEE (Orbus Neich), CANOPY Abbott Vascular), NAVISTAR (Bioscense Webster Inc.), and was a lead coordinator for the CREST-2 (UMD and NIH) study.

Lauren Michelle Conlin, BSN, RN, CCRP
Lauren Conlin graduated with her Bachelor of Science in Nursing from Eastern Michigan University in 2004. She started her career as a staff nurse in the Hematology/Oncology Bone Marrow Transplant unit at the University of Michigan Hospital. She has been with the University of Michigan Hospital for over 17 years in various positions, such as nurse's aide, nurse, research project manager, to her current role as the TVT Registry Project Manager.

Traci Connolly, BSN, MS, RN, CPHQ, AACC
Traci has been part of the National Cardiovascular Data Registry (NCDR) for nine years, acting as science liaison and participating in registry development for many of the NCDR registries.

Mrs. Connolly's most recent works includes mapping of registry data elements to structured terminology such as SNOMED-CT and LOINC and directly supporting the development of a new IT registry platform. Traci obtained her Bachelors of Science in Nursing from Radford University in Radford, VA and her Masters of Science in Clinical Informatics from the University of Maryland, Baltimore, Maryland. Her nursing experience is comprised of 10 years direct bedside patient care including six years' as a critical staff nurse in the Coronary Care Unit of INOVA Fairfax Hospital. Past clinical informatics experience consists of seven years supporting implementation of an outpatient Electronic Healthcare Record (EHR) for the Department of Defense (DOD) at Northrop-Grumman Corporation. Traci achieved her Certification as a Professional in Healthcare Quality (CPHQ) from the National Healthcare Association of Quality in August of 2012 as well as her Associate of the American College of Cardiology (AACC) at the American College of Cardiology Annual Scientific Session in March of 2013.

Kristen Cornachione, MS
Ms. Cornachione grew up in the Pacific Northwest and relocated to Utah after receiving a Master's of Science in Exercise Physiology at Montana State University. She started in working in Cardiac Rehabilitation and within 6 months was transferred to the Cardiovascular Registries team due to her background in research and quality improvement (QI). She is currently involved in QI processes in the STEMI population and assists with abstracting and data managing with other registries. When at home, she loves to explore the outdoors of Utah with her husband and baby girl. The backpacking, snowboarding, and sightseeing are the best part of her week. Ms. Cornachione is looking forward to another great conference!

Dino Damalas
Dino Damalas is the Vice President of Technology & Business Services and the Chief Information Officer (CIO) of the American College of Cardiology (ACC). In this role, Damalas is responsible for establishing the vision and strategy for the alignment of technology with strategic initiatives and business operations.

Damalas joined the ACC in 2006 and became Chief Information Officer in 2010. He has held positions as an IT solutions provider and leader in the private sector implementing mission-critical solutions for the Department of Defense, National Institutes of Health, entertainment industry, and retail.

Prior to joining the ACC, Damalas worked as a technical manager at BRTRC Technology Research Corporation. He also worked as technical project manager at Etensity, Inc. Damalas began his career in the United States Marine Corps where he served as both the information systems coordinator and platoon sergeant for Combat Service Support Detachment 14.

Damalas has held certifications as an ethical hacker and as a Microsoft solutions developer and holds a Bachelor of Science degree and an MBA from George Mason University.

Gregory J. Dehmer, MD, MACC, MSCAI
Dr. Dehmer is a Clinical Professor of Medicine at the Texas A&M University College of Medicine and Vice President, Medical Director of Cardiovascular Services, Central Texas Division at Baylor Scott & White Health. Dr. Dehmer earned his undergraduate degree from Carroll University and medical degree from the University of Wisconsin in 1975. He completed his

training in internal medicine and cardiology at the University of Texas Southwestern Medical Center at Dallas.

Dr. Dehmer is board-certified in Internal Medicine, Cardiovascular Disease and Interventional Cardiology. He is a past president of the Society for Cardiovascular Angiography and Interventions (SCAI) and has served on the Board of Trustees of the American College of Cardiology (ACC).

Dr. Dehmer has participated on the writing committees of several national guidelines and other documents. These include the Clinical Competency Statement on Cardiovascular Interventional Procedures, Guidelines for Coronary Angiography, Expert Consensus Document for Cardiac Catheterization Laboratories, Expert Consensus Document for PCI without on-site cardiac surgery and the Appropriate Use Criteria for Coronary Artery Revascularization (2009, 2012 and 2016). He is an emeritus member of the National Cardiovascular Data Registry management board, Chair of the Public Reporting Advisory Group of the NCDR and Co-Chair of the Appropriate Use Task Force of the American College of Cardiology. He has published more than 190 articles and book chapters and has served on the Editorial Boards of Circulation, the Journal of the American College of Cardiology, and the American Journal of Cardiology. He is a Master Fellow of the American College of Cardiology (MACC) and the Society for Cardiovascular Angiography and Interventions (MSCAI).

Previously, Dr. Dehmer was the director of the cardiac catheterization laboratory at the University of North Carolina Hospitals and Professor of Medicine at the UNC School of Medicine. Before his position at UNC, he was at the University of Texas Southwestern Medical School as an Assistant Professor of Medicine and Director of the cardiac catheterization Laboratory at the Dallas VA Medical Center.

Maghee Disch, MSN, RN, CNL, CHFN, ACC
Maghee Disch has been the Heart Failure Service Line Specialist at the American College of Cardiology since 2013. Prior to this she was a Clinical Nurse Leader in Heart Failure at the Ohio State Wexner Medical Center. She has lectured extensively on heart failure and related topics such as preventing re-admissions, palliative care, and transition care. In her current position, she conducts quarterly Heart Failure Version 2 Accreditation Workshops. She is a member of the American College of Cardiology, the American Association of Heart Failure Nurses, and the Heart Failure Society of America.

Ms. Disch received her Bachelor of Arts in Exercise Science from John Carroll University, University Heights, OH; her Registered Nursing Certification from the Ohio State University, Columbus, OH; and her Master of Science in Nursing from the Ohio State University.

Amy Dukovcic, CRNP
Amy Dukovcic is a nurse practitioner and the Executive Director of Cardiac and Vascular Services at Adventist HealthCare Washington Adventist Hospital in Takoma Park, Maryland. Based in Gaithersburg, MD, Adventist Healthcare is a faith-based, not-for-profit organization of dedicated professionals who work together each day to provide excellent wellness, disease management and health-care services to the community.

Susan Fitzgerald, MS, RN
Ms. Fitzgerald has worked at the NCDR for the past 17 years. She currently works as Associate in Clinical Measurement and provides scientific oversight for the TVT Registry. 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.

Fernando Garcia-Barbon, BSN, RN
Mr. Garcia-Barbon received his BSN from Columbia Union College in 2002 and began his nursing career at Washington Adventist Hospital. From 2002 to 2006 he worked as a staff nurse in the Cardiac Telemetry Unit which sparked his interest in cardiovascular care nursing. In 2006 he made the transition to the Cardiac Catheterization Lab, where he worked for 9 years. In 2015, Mr. Garcia-Barbon joined the ACC's NCDR as a Clinical Quality Advisor. He is currently working with the ICD, LAAO, and AFib Ablation Registries.

Tyler J. Gluckman, MD, FACC, FAHA
Dr. Ty J. Gluckman is Medical 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. He 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. He completed his cardiology fellowship training at the Johns Hopkins Hospital and served as chief fellow during his final year there. His principal clinical interests include identifying, coordinating, and implementing cardiovascular care improvement strategies. For the last 2 years, he co-led the Interprofessional Practice workshops at the National Cardiovascular Data Registry's (NCDR) annual conference. He is the National Clinical Quality Expert for the American College of Cardiology Patient Navigator Program (PNP). He is an active councilor and Director of Quality for the Oregon Chapter of the American College of Cardiology. He was lead content developer for the ASCVD risk estimator app (voted the best medical app in 2014) and recently helped to redesign the Anticoag Evaluator app. He serves as Associate Editor for Practice Guidelines and Clinical Documents for ACC.org (the primary website for the American College of Cardiology) and is an Editorial Consultant for *CardioSource WorldNews*. He has published in *Archives of Internal Medicine*, *JAMA*, the *Journal of the American College of Cardiology*, and the *Journal of the American Heart Association*.

Abhinav Goyal, MD, MHS, FACC, FAHA
Dr. Goyal is an academic cardiologist who serves as 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 Chief Quality Officer for the Division of Cardiology at Emory Healthcare. He is responsible for directing all cardiology quality-related initiatives at Emory Healthcare, including providing physician oversight for the four Emory hospitals' participation in the ACC NCDR Registries (CathPCI, ACTION-Registry GWTG, and ICD Registries), and The Emory Clinic's quality improvement initiatives pertaining to cardiovascular performance measures and value-

based purchasing. He also serves as Co-Chair of the American Heart Association Atlanta Mission: Lifeline program for patients with acute heart attacks. Dr. Goyal is an active clinical investigator and has over 60 publications in the areas of quality, health services research, and outcomes research in cardiovascular medicine; population research investigating the link between diabetes or dysglycemia and cardiovascular disease; and cardiovascular clinical trials. He also serves on two NCDR Research and Publications Committees at the national level (the ACTION Registry-GWTG, and the Diabetes Collaborative Registry).

Kim Guibone, MSN, ACNP
Ms. Guibone is the Lead Nurse Practitioner for the Cardiology Structural Heart Program of the Cardiovascular Institute at Beth Israel Deaconess Medical Center (BIDMC) in Boston, Massachusetts. She was recruited for the role of TAVR Coordinator 5 years ago and has established and grown the TAVR program at BIDMC. Prior to her role there, she was a nurse practitioner for 10 years for a cardiac surgery program with responsibilities including 24 hour coverage of the CVICU. She has 16 years of nurse practitioner experience in the areas of cardiology and cardiac surgery as well as over 25 years overall critical care experience. Ms. Guibone is the TVT Registry Site Manager at BIDMC, with experience as an STS registry site manager in her former role. She holds a Bachelor's degree in Nursing from the University of New Hampshire and graduated Magna Cum Laude with a Master's of Science in Nursing from Georgetown University, Washington DC.

Ben Harder
Ben Harder oversees U.S. News & World Report's portfolio of data-driven patient decision-support tools. Freely available at usnews.com/health, these tools include hospital rankings and ratings, nursing home ratings, and more than 850,000 searchable online profiles of individual physicians. Harder is a healthcare journalist whose work has appeared in BMJ, JAMA, the Chicago Tribune, the Los Angeles Times, Science News, USA Today, the Washington Post and other publications, as well as the anthology Best American Science Writing 2005. He earned a bachelor's degree from Harvard University and completed a journalism fellowship at the Centers for Disease Control and Prevention in 2002. He has been an editor at U.S. News since 2007.

Jennifer Heck-Kanellidis, DNP, MA-ACNP, MA-HNP, BSN, RN
Dr. Kanellidis has over fifteen years of experience as a cardiac and critical care nurse, ten of which have been as a nurse practitioner. Since 2012, she has worked in the Division of Cardiology at the Jersey Shore University Medical Center as a nurse practitioner and has been the Society of Chest Pain Center Coordinator, serving the Acute Myocardial Infarction Patient Population. She has been an active participant and leader in NCDR for the past eight years, conducting research and delivering numerous presentations.

Dr. Heck-Kanellidis also has considerable teaching experience and responsibilities, including being a preceptor for the University of Medicine and Dentistry of New Jersey (UMDNJ) nurse practitioner program and providing staff education in Cardiovascular Care Management. She has received numerous awards for her academic accomplishments, contributions and leadership in cardiovascular care.

In 2010 Dr. Heck-Kanellidis was awarded a Doctor of Nurse Practice from UMDNJ and in 2004 completed a Master of Science in Nursing at New York University (NYU). She also completed Post-Masters study in Holistic Nursing Practice from NYU and is certified in Reiki Therapies.

Kathleen M. Hewitt, MSN, RN, AACC, CPHQ
As Associate Vice President for Strategy and Innovation in the American College of Cardiology (ACC) Science and Quality Division, Kathleen Hewitt is responsible for the strategic direction of ACC's clinical data registries national quality campaigns, CardioSmart (health education), and innovation projects. Under Kathleen's leadership the ACC's quality portfolio has grown into an unprecedented 3,000 hospitals and healthcare system networks that use ACC's resources as their gold standard benchmark and to improve patient outcomes and clinical practice.

Ms. Hewitt will graduate with her Doctor of Nursing Practice degree in May 2017 from George Washington University. She received her Master of Science in Nursing from George Mason University in 1997, became a Certified Professional in Healthcare Quality (CPHQ) in 2010, and is one of the first inductees as an Associate of the American College of Cardiology (AACC).

Ms. Hewitt's 25+ year healthcare career reflects her dedication and passion for improving cardiovascular care. Her special interest in healthcare strategy, innovation, and implementation science combined with her "hands-on" experience in providing cardiovascular related care brought her to the ACC. Previously Ms. Hewitt held a number of positions focusing on quality patient care, performance improvement, and clinical care at INOVA Health System in Northern Virginia.

Sean Hilscher
Sean Hilscher is the lead for Institutional Data Services for the National Cardiovascular Data Registry (NCDR) at the American College of Cardiology. He manages NCDR's suite of business intelligence and data analytics products for hospitals, health systems, payers and government institutions. With a background in healthcare consulting, he has experience in both domestic and international healthcare markets. Mr. Hilscher has a Masters in Economics for the University of Oxford and an MBA from Georgetown University.

Ken Huelskamp, MSA, RCIS
Mr. Huelskamp is the Managing Director of Registry Services for the NCDR and has worked for the ACC for the last 10 years. He manages the team which provides product and clinical support as well as account management to our participant community. Prior to joining the ACC, he held multiple staff and management roles in both clinical and information systems settings for a large health care system in Northern Virginia. Mr. Huelskamp received a Bachelor of Science degree from Geneva College and a Master of Health Services Administration degree from Central Michigan University.

Donna L. Hunn, MA, RN, MSc, ANP, AACC
Ms. Hunn serves as the Clinical Education Manager with ACC Accreditation Services. She brings a wealth of academic, research and clinical cardiology experience to the College. She oversees all the educational offerings for both internal and external customers for our different service line products. She is the lead or co-author of many publications in peer-reviewed journals. She received an Associate Degree in Nursing from Rochester Community College, Rochester, Minnesota; a Bachelor of Science in Nursing from College of St. Catherine in St. Paul Minnesota; a Master of Science in Cardiology from University of Sussex in Falmer, Brighton, England; and a Master of Arts in Nursing from College of St. Catherine in St. Paul,

Minnesota, where she also received her Adult Nurse Practitioner Certificate. She is currently pursuing a doctorate in Education.

Kim Hustler, RN
Ms. Hustler has been with the ACC since March 2008 as a Clinical Quality Advisor for the ACTION Registry-GWTG. Additionally, she has joined the IMPACT Registry in the Clinical Quality Consultant Role. 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 time she oversaw hospital operations and provided leadership in emergent situations. Ms. Hustler initiated quality programs for performance improvement in Joint Commission AMI, CHF, and Pneumonia Core Measures as well as process improvement around AMI care in her role as Chest Pain Center Coordinator, in order to successfully achieve certification from the Society of Chest Pain Centers for a PCI facility.

Diane Jasso, BSN-BC CVRN, CCRP
Diane is currently the Atrial Fibrillation Clinical Coordinator and Watchman Coordinator for Summa Health in Akron, Ohio. She graduated with her RN from Idabelle Firestone School of Nursing in Akron and her BSN Magna Cum Laude from Ohio University. Diane holds certifications in both cardiovascular nursing and clinical research, having been study coordinator for multiple clinical device trials. Currently she leads the Heart Rhythm Services Clinical Quality Committee while also being responsible for the LAAO, AFib Ablation and ICD Registries. Diane started her career in the Coronary Care Unit then transitioned to the cardiac cath lab for almost 15 years. From there she went on to be responsible for the Cath/PCI NCDR Registry, a position she held until transitioning to her current role.

Jonathan B. Jennings, MBA, RN
Jon Jennings, MBA, RN is the Assistant Vice President of Cardiovascular and Neuroscience Services for the Clinical Services Group (CSG) of the Hospital Corporation of America (HCA) in Nashville, Tennessee.

His primary focus is leading HCA's cardiovascular and stroke clinical performance improvement efforts. In this role, he designs and leads HCA programs such as the American College of Cardiology (ACC) National Cardiovascular Data Registry (NCDR) CathPCI and Society of Thoracic Surgeons quality improvement playbooks, which provide structure, process, actionable tools and resources for enhancing care delivery and improving patient outcomes. Mr. Jennings is a member of the ACC-NCDR Public Reporting National Advisory Group and Metric Development for Public Reporting National Workgroup, and STS/ACC TVT Public Reporting Workgroup. He 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.

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, IT&S, 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 payer 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.

Karen Joynt, MD, MPH
Dr. Karen E. Joynt is an Associate Physician at Brigham and Women's Hospital, Assistant Professor in Medicine at Harvard Medical School, and Instructor in Health Policy and Management at the Harvard School of Public Health. She also recently served for two years as Senior Advisor to the Deputy Assistant Secretary of Planning and Evaluation, Office of Health Policy, United States Department of Health and Human Services.

Dr. Joynt is a health services and health policy researcher whose specific research interests include: 1) Improving the measurement of the quality and efficiency of hospitals and health systems; 2) Understanding the impact of policy interventions on health care, with a focus on value-based and alternative payment models; and 3) Reducing disparities in care, with a focus on the performance of providers that serve vulnerable populations**.**

Dr. Joynt received her A.B. in Public Policy from the Woodrow Wilson School at Princeton University, and her M.D. from Duke University School of Medicine. She trained in Internal Medicine at Duke University Medical Center, and then in Cardiovascular Medicine at Brigham and Women's Hospital. She also completed a research fellowship in Health Policy at the Harvard School of Public Health, from which she received her M.P.H.

Callie C. Kalna, MHSA
In her six years with ACC, the College and NCDR have benefitted greatly from Ms. Kalna's expertise and experience in strategic planning, new business development, market analysis, client management and project management. As a Team Lead for Institutional Client Relations in NCDR, Ms. Kalna oversees relationships with an array of clients including large payers, state agencies, software vendors and health systems. Ms. Kalna also serves as a subject matter expert and lead for the NCDR eReports Corporate Dashboards. Prior to working with ACC, she was a Senior Associate in Business Intelligence Solutions at The Advisory Board Company, Washington, DC. Ms. Kalna holds an MS in Health Systems Administration and a BS in Health Care Management and Policy from Georgetown University, School of Nursing and Health Studies, Washington, DC.

Patricia Keegan, CNP, APRN, NP-C
Patricia Keegan is the Structural Heart Coordinator, Interventional Valvular and Structural Cardiology, at Emory Healthcare, in Atlanta, Georgia. In this capacity, she works with patients with structural heart disease and adults with congenital heart defects. She has held this position since 2011 and her responsibilities include obtaining patient histories, performing physical assessments, diagnosing and ordering appropriate testing and treatment. She also assists with program function and coordination with hospital management, marketing, philanthropy, and human resources. She received her Master of Science in Nursing, Primary Care Adult Nurse Practitioner and her Doctor of Nursing Practice in Adult/Geriatric Nursing from the University of

Alabama and the University of South Alabama, respectively. She has delivered numerous presentations on structural heart disease and written extensively on the topic. In her spare time she is a mentor for students at Gwinnett School of Math, Science, and Technology.

Dennis Kim, MD, PhD, FACC, FSCAI
Dr. Kim is an Associate Professor of Pediatrics at Children's Healthcare of Atlanta/Emory University School of Medicine. He completed his undergraduate education at the University of Michigan, Ann Arbor then completed the MD, PhD Combined Degree Program at the University of Texas Medical Branch. He returned to Ann Arbor for his residency in Pediatrics and fellowships in Pediatric Cardiology and Pediatric Interventional Cardiology. He is currently the Director of the Pediatric Cardiac Catheterization Labs at CHOA. Dr. Kim also partners with the Structural Heart Disease team at Emory University to perform interventional procedures in adults with congenital heart disease. Dr. Kim served on the Board of Trustees of the Society of Cardiovascular Angiography and Interventions (SCAI) and was the Editor-in-Chief of the SCAI-sponsored patient-centered cardiovascular education website, SecondsCount.org.

Dr. Kim has been a member of the ACC since 2001. He was a member of the steering committee that developed the IMPACT transcatheter pulmonary valve module. He believes that data-driven outcomes and results will be the foundation for future advances in pediatric cardiovascular care, a field that has traditionally been largely influenced by anecdotal experiences.

Amanda Kirby, MSN, BSN, RN, ACNP
Mrs. Kirby is currently the lead nurse practitioner at Aurora St. Luke's Medical Center in Milwaukee, WI where she oversees the Valve Program. She has been with Aurora Health Care for 13 years and has led the Transcatheter Aortic Valve Replacement (TAVR) program for the last 6 years. She holds a Bachelor's of Science degree from Purdue University and a Master's of Science in Nursing from Marquette University and is currently pursuing her Doctorate of Nursing Practice from Duke University which she will complete in August, 2017. Mrs. Kirby was awarded the CEO Award of Excellence at Aurora Health Care for her focus on quality care and has helped to grow, develop processes and improve the care for patients undergoing valve replacement. She has helped to grow Aurora Health Care's TAVR program into a high quality, high volume center which is constantly striving to improve the overall patient experience and outcomes. Mrs. Kirby enjoys mentoring and teaching new valve centers about program development, procedural efficiencies, financial profitability and quality improvement and speaks nationally on these topics.

Nikoleta S. Kolovos, MD
Nikoleta Kolovos, M.D. is Associate Professor of Pediatrics at Washington University School of Medicine in St. Louis. Dr. Kolovos earned her B.S. *magna cum laude* and M.D. at the University of Pittsburgh School of Medicine. She then completed her residency and a fellowship in Pediatric Critical Care Medicine at the University of Michigan Hospitals, Ann Arbor before joining the faculty in 2002. She has served as Medical Director of the Pediatric Intensive Care Unit and the Rapid Response Team and during her tenure in those positions, Dr. Kolovos launched the Pediatric Rapid Response Team that has substantially reduced the number of unplanned deaths, decreasing hospital mortality by 20%. Dr. Kolovos currently focuses her efforts at the system level, working with the School of Medicine and BJC HealthCare affiliated hospitals to

identify, monitor and implement evidence based practices to improve care, quality, and patient centered outcomes.

Michael C. Kontos, MD, FACC
Dr. Kontos is Director of the Pauley Heart Center's Coronary Intensive Care Unit at VCU Health. A Richmond native, Dr. Kontos completed his medical degree in 1988 at the Medical College of Virginia at Virginia Commonwealth University, where he continued on to finish his internal medicine and cardiology training. After completing a second fellowship in echocardiography at VCU, Dr. Kontos joined the university's faculty as Assistant Professor of Internal Medicine/Cardiology in 1995. A year later he added a joint appointment in emergency medicine. Since 1998, he also has served as associate director of Acute Cardiac Care.

Among his many honors, Dr. Kontos has won a research award from the American Heart Association, Virginia affiliate, in 1992-93 for his investigation of oxygen free radicals, ischemia/reperfusion, and gene expression of heat shock proteins. He also has won several awards at state and national meetings, including the Virginia American College of Cardiology, the Virginia Chapter of the American College of Physicians and the National Young Investigators Meeting. A fellow of the American College of Cardiology, Dr. Kontos also is an associate member of the American College of Cardiology, and a member of the American Society of Nuclear Cardiology, the American Society of Echocardiography and the Society of Chest Pain Centers and Providers. At the MCV Campus, he currently sits on the Acute Cardiac Care Team Committee and the Credentialing Committee.

Dr. Kontos has served as co-investigator on 12 clinical investigations and has published 47 research papers, more than 70 abstracts and eight book chapters and monographs. In addition to serving as scientific session co-chair at two separate American College of Cardiology national meetings, Dr. Kontos has made a number of oral presentations at national meetings. He has been an invited presenter at a variety of venues, including statewide grand rounds, national meetings and medical centers around the state and country. Dr. Kontos has served as reviewer for 16 highly respected journals in cardiology and emergency medicine.

Christina Koutras, BSN, RN, CPHQ
The Program Manager for ICD, LAAO and AFib Registries, Ms. Koutras joined the ACC in April 2010. She received her Bachelor of Science in Nursing Degree from the University of Maryland and proceeded directly into an ICU Fellowship program at the Washington Hospital Center, Washington, DC post-graduation. Ms. Koutras 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.

Mark S. Kremers, MD, FACC
Mark S. Kremers, MD, FACC is a board certified cardiac electrophysiologist. He trained in cardiology at the University of Texas Southwestern in Dallas and trained in electrophysiology at the Hospital of the University of Pennsylvania in Philadelphia. He directed the EP program at UT Southwestern before leaving to practice in Charlotte, North Carolina. He has been involved with the NCDR since 2007 serving on the ICD Registry working group, the ICD Steering Committee, and for the last 6 years as the ICD Registry Steering Committee chairman.

Phillip D. Levy, M.D, MPH, FACEP, FAHA, FACC
Phillip Levy, MD, MPH is a tenured Professor at the Wayne State University School of Medicine where he currently serves as Assistant Vice President for Translational Sciences and Clinical Research Innovation, and Associate Chair for Research in the Department of Emergency Medicine. He is a Fellow of the American College of Emergency Physicians (ACEP), the American Heart Association, and the American College of Cardiology. He is also a standing member of NIH Cancer, Heart and Sleep Epidemiology (CHSA) study section, the Grants Advisory Panel for the Blue Cross Blue Shield of Michigan Foundation, and the ACEP Scientific Review Committee. In addition to this, he is the current Chair of ACEP's Research Committee, and the American College of Cardiology's Cardiovascular Service Accreditation Management Board.

Dr. Levy's research interests center on heart failure, hypertension, and hypertensive heart disease with a dual focus on acute management and early disease detection. Dr. Levy is an internationally recognized expert in cardiovascular disease research. He has been the Principal Investigator for cardiovascular related grant projects funded by multiple entities, including the Emergency Medicine Foundation, the Robert Wood Johnson Foundation and the NIH/National Institute of Minority Health and Health Disparities, and is currently a co-investigator on PCORI and NHLBI funded projects. Over the past 10 years, Dr. Levy has published more than 140 manuscripts, authored 21 textbook chapters and has been an invited lecturer on cardiovascular disease related topics more than 200 times.

Frederick A. Masoudi, MD, MSPH
Dr. Masoudi is a general cardiologist and cardiovascular health outcomes investigator at the University of Colorado Anschutz Medical Campus. 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. He completed his fellowship in cardiology and receiving a Masters in Science in Public Health at the University of Colorado. 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 has published more than 220 peer-reviewed papers. Much of his work has focused on the quality of care for heart failure and outcomes of patients with heart failure, acute coronary syndromes, or receiving implantable cardioverter defibrillator therapy in contemporary practice. 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 is the Chief Science Officer and Management Board Chair of the American College of Cardiology's National Cardiovascular Data Registries (NCDR), which comprises ten national cardiovascular quality programs. He serves on the Board of Trustees of the ACC and as Immediate Past Chair of the American Heart Association Scientific Council on Quality of Care and Outcomes Research. He has previously served as an Associate Editor of *Circulation: Cardiovascular Quality and Outcomes* and as Chair of the ACC/AHA Task Force on Performance Measures.

William H. Maisel, MD, MPH
William H. Maisel, MD, MPH is Chief Scientist and Deputy Center Director for Science at FDA's Center for Devices and Radiological Health (CDRH). He is responsible for providing leadership in the development, implementation, execution, management and direction of the Center's broad national and international biomedical science programs.

Prior to joining FDA, Dr. Maisel was Associate Professor of Medicine at Harvard Medical School with more than 15 years of clinical experience as a Board-certified cardiologist.

He is former Chair of the FDA Circulatory System Medical Device Advisory Committee and is a former member of the Center for Medicare and Medicaid Services Coverage Advisory Committee. Dr. Maisel received his undergraduate degree in biology from MIT, his medical degree from Cornell Medical College, and his Masters in Public Health from the Harvard School of Public Health. He has published more than 120 research manuscripts, book chapters, and scientific abstracts on regulatory science, device innovation, and medical device safety and effectiveness.

David D. McManus, MD, ScM, FACC, FAHA, FHRS
Dr. McManus is an Associate Professor, Departments of Medicine and Quantitative Health Sciences as well as the Director of the Atrial Fibrillation Program at the University of Massachusetts Medical School in Worcester, Massachusetts. He also serves as adjunct faculty for Biomedical Engineering at the Worcester Polytechnic Institute in Worcester, Massachusetts. He serves as the chair of the ICD Registry Steering Committee and a member of the LAAO Registry and AFib Ablation Registry Development Committees. As the Director of the Cardiovascular Scholars Program, he developed a comprehensive scholarly works curriculum for Cardiovascular Medicine Fellows program. In addition, he serves as the director and lecturer of the Acute Care Interclerkship, a program for 150 third year medical students. This year he received the Joan and Douglas P. Zipes Publication of the Year Award from the Heart Rhythm Society. He received his medical degree from the University of Massachusetts and completed his residency and fellowship program at the University of California in San Francisco, California.

Gerard R. Martin, MD, FACC
Gerard Martin, MD, is a Cardiologist and the Medical Director of Global Health. He has been in practice at Children's National Health System since 1986. Dr. Martin was promoted to Professor of Pediatrics with Tenure at 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 American College of Cardiology, 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, American College of Cardiology; a member of the American Board of Internal Medicine, Subboard of Adult Congenital Heart Disease; and, the Board of Trustees, American College of Cardiology.

Robert L. McNamara, MD, MHS, **FAHA, FACC, FASE**
Dr. McNamara is an Associate Professor in the Section of Cardiovascular Medicine at Yale. He received his medical degree from Washington University, before training in internal medicine and clinical cardiology at the Hospital of the University of Pennsylvania and completing his fellowship in echocardiography at Johns Hopkins Hospital and earning a master's degree in clinical epidemiology at the Johns Hopkins School of Hygiene and Public Health. He was on the faculty of the Johns Hopkins in both the Schools for Public Health and Medicine for two years. He then worked with the United States Indian Health Service for three years on the Navajo Reservation in Chinle, Arizona. He has been on the faculty of Yale School of Medicine for the past twelve years. He is a clinical cardiologist with expertise in echocardiography. At Yale, he was director of echocardiography from 2003-2012 and director of the cardiovascular fellowship training program from 2008-2010. Broadly, his research interests have concentrated on assessing and promoting evidence-based medicine, first in atrial fibrillation and then in acute coronary syndromes. He has been actively involved in the NCDR, including serving on the steering committee of ACTION Registry-GWTG and the International Strategy Work Group, among other committees and initiatives. He is on the International Consortium for Healthcare Outcomes (ICHOM), Coronary Artery Disease Working Group. He is a clinical consultant for the American Heart Association's initiative, the ASPIRE-Alliance, to create a new research collaborative of hospital and ambulatory clinic partners under a single platform. Finally, in 2013, he worked in Rwanda for three months as part of the Human Resources for Health project to increase post graduate medical education capacity.

Elizabeth B. McNeely, PharmD, BCPS-AQ, Cardiology
Elizabeth McNeely, PharmD, BCPS, AQ – Cardiology is the Director of Cardiovascular Services, Clinical Services Group for Hospital Corporation of America (HCA). Dr. McNeely is also an Assistant Professor in the Department of Clinical Pharmacy for the University of Tennessee Health Science Center, College of Pharmacy. Elizabeth holds a Bachelor's Degree in Chemical Engineering from Virginia Tech and a Doctorate of Pharmacy from the University of Tennessee Health Science Center, College of Pharmacy. Dr. McNeely completed her Pharmacy Practice Residency at Methodist University Hospital prior to completing her Heart Failure Pharmacotherapy Fellowship at the University of North Carolina, Eshelman School of Pharmacy. She is also a Board Certified Pharmacotherapy Specialist (BCPS) with Added Qualifications in Cardiology. Elizabeth's focus areas are in cardiology and cardiovascular surgery clinical performance across the HCA enterprise. She also facilitates sharing and implementation of best practices across the HCA enterprise with an emphasis in NCDR CathPCI performance. Presently she serves on American College of Cardiology Cardiovascular Pharmacy Resident and Fellow Poster/Presentation Committee, the American Heart Association Professional Education Committee, and the Heart Failure Society of America Early Career Committee.

Joan Michaels, MSN, RN, CPHQ, AACC
Ms. Michaels has been with the ACC for over nine years. She is the Program Manager for the STS/ACC TVT Registry. Ms. Michaels is a registered nurse with extensive 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.

Gina R. Miller, RN, ADN, AAS
Gina Miller began her career working as CNA, EMT and Social Service Director in a Nursing Home in McLeansboro. Upon graduation from nursing school, she accepted a staff nurse role on an inpatient medical/surgical unit. She has subsequently served in the role of charge nurse, infirmary charge nurse for Illinois Department of Corrections (IDOC) and after leaving IDOC she accepted a staff (float) nurse at Heartland Regional Medical Center working in pre admission testing, endoscopy, PACU, pain management, surgical minor procedures, OR circulator, ICU, cath lab, and as a charge nurse for same day surgery, surgical inpatient unit and medical unit.

Gina's 8 years of employment at SIH presented opportunities that increased her current peripheral and cardiovascular knowledge. She was the charge nurse and patient educator in Cardiac Care Decision Unit (CCDU) along with assuming responsibilities as a procedure scheduler, chart management, supply management, equipment repair and implementation of a physician preference reference system. Duties also included stress nurse, and circulator for TEEs. She was selected to serve on process improvement committee to evaluate and implement changes to procedures in the cardiac cath lab.
Gina was involved in a horrific car accident leaving her with the inability to walk for almost year. Gina was presented the opportunity to work as an abstractor for SIH cardiac services. She abstracts ACTION registry data for two SIH Hospitals and PVI registry. She also abstracts STEMI data into Prairie Education & Research Corporative data base. She assists the SIH research department in tracking data for the CREST 2 study (CR2) and submits the CMS data for SIH.

Current certifications/memberships: BLS, ACLS and ACC

Rachel Miller, MSN, RN, CPN
Rachel miller is a Quality Patient Care Consultant for the Center for Clinical Excellence at BJC Healthcare in St. Louis, Missouri. This entails developing and implementing strategic initiatives around program development, data analysis, quality and outcomes for the 13 BJC Healthcare hospitals. She co-leads and supports the multidisciplinary Clinical Expert Councils that are comprised of subject matter experts and operational leaders from across the system, including such areas as the cardiac catheterization laboratory, blood management, and vascular services. In turn, she leads and collaborates with multidisciplinary teams to develop accompanying education modules and system policies. Ms. Miller received her Master of Science in Nursing in May 2007 from Webster University in Webster Groves, Missouri. She is an active volunteer, participating in Camp Rhythm, which is an overnight camp for children with cardiac disease or transplantation. Along with this she has led various fundraising walks to

benefit organizations that advocate for improving heart disease, such as the American Heart Association.

Stephanie Mitchell
Stephanie Mitchell has worked at the American College of Cardiology for 14 years and currently is the staff liaison to the ACC Nominating and Membership Committees. Prior to this role, Stephanie served as the staff liaison to the ACC's Adult Congenital and Pediatric Cardiology (ACPC) Section. During her 10 years in this role, she supported the ACPC Council leaders to launch the Section's current six working groups, including the ACPC's Quality WG which targeted the development of sets of candidate quality metrics in pediatric cardiology and adult congenital heart disease. These metrics served as the basis for the ACPC Quality Network, a national data collection and reporting tool, which was launched in 2015. Stephanie was also honored to work with the ACPC Section leaders and the NCDR IMPACT Registry leadership to establish the Reducing Radiation Risk Quality Improvement activity, NCDR's IMPACT Registry's first Maintenance of Certification (MOC) Part IV activity.

Caroline B. Morgan, BSN, RN
Ms. Morgan has extensive 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 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 Product Manager for the PVI Registry for NCDR. In her current role she is working toward the expanding the current PVI Registry in include seven additional modules.

Keri Morris, BSN, RN, AACC, CCCC
Keri joined ACC/SCPC in April 2012 serving as an accreditation review specialist for both CPC Accreditation and Mission: Lifeline.® She became the Acute Coronary Syndrome (ACS) Service Line Specialist in 2015. Her knowledge and passion made her a natural fit for serving on the CPC v5 writing committee, leading the CPC v6 writing committee, serving as Cardiovascular Care Coordinator Certification C4 faculty, and teaching workshops and webinars. Prior to joining us, she was a Chest Pain, Stroke, Induced Hypothermia Coordinator for several years leading her hospital to achieve CPC Accreditations as well as TJC AMI and Stroke Disease-Specific certifications. She developed and implemented a hypothermia protocol in use within their system hospitals. She graduated with honors from Union University with a BSN and is currently completing her MBA in Healthcare Management.

Mauro Moscucci, MD, MBA, FACC
A recognized scholar and clinician, Mauro Moscucci, MD, MBA is the Chairman of Medicine at Sinai Hospital of Baltimore/LifebridgeHealth and Medical Director of the LifebridgeHealth Cardiovascular Institute. Prior to joining Lifebridge Health, Dr. Moscucci was Professor of Medicine at the University of Miami Miller School of Medicine, where he served as Acting Chairman of the Department of Medicine and Chief of the Cardiovascular Division, and Professor of Medicine at the University of Michigan, where he served as Director of

Interventional Cardiology, Director of the Cardiac Catheterization Laboratory and Associate Chief of Cardiology.

After receiving his MD Magna Cum Laude from the University of Rome, Italy, Dr. Moscucci completed a fellowship in Pharmacology at the University Of Rochester, where he underwent additional training in Internal Medicine. He then completed a fellowship in Cardiology and Clinical Pharmacology at the University of Chicago, and a fellowship in Interventional cardiology at the Beth Israel Hospital-Harvard Medical School in Boston. More recently, he received a Master in Business Administration with High Distinction from the University of Michigan Ross School of Business.

Dr. Moscucci is the author or co-author of more than 300 published medical papers, abstracts and book chapters. He is also the editor of the latest (8th) edition of "Grossman and Baim's: Cardiac Catheterization, Angiography and Intervention", one of the classic textbooks in cardiology, and the editor of the textbook "Complications of Cardiovascular Procedures: Risk factors, Management and Bailout Techniques". Since his initial training in Interventional Cardiology at the Beth Israel Hospital in Boston, Dr. Moscucci has focused his career on outcome assessment and quality improvement in interventional cardiology. He is the founder of the Blood Cross Blue Shield of Michigan Cardiovascular Consortium (BMC2), a multicenter collaborative quality improvement program in interventional cardiology, which has become a benchmark in quality improvement.

Issam Moussa, MD, FACC, FAHA, FSCAI

Dr. Moussa attended Damascus University Medical School where he earned the MD degree. He then completed an internship in internal medicine at Georgetown University Medical Center, Washington, DC. 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.

Dr. Moussa served as Chief Medical Officer at the First Coast Cardiovascular Institute (FCCI) in Jacksonville, Florida and held the rank of Professor of Medicine at UCF College of Medicine. Prior to this he served as Professor and Chair of the Division of Cardiovascular Diseases at Mayo Clinic in Florida (2011-2014), Director of Endovascular Services /Cardiovascular Division at New York Presbyterian Hospital at Columbia and Cornell Universities (2004-2010), and Director of Clinical research at Lenox Hill Heart and Vascular Institute (1998-2004).

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 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.

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 NCDR CathPCI Registry.

Sheila Nichols, BSN, RN, CCRN, CCA
Sheila Nichols is a registered nurse with more than 12 years of cardiology experience. Seven of those years were spent at the bedside before entering the data and quality arena in 2012. She earned her Bachelor in Science of Nursing Degree and Master in Health Administration Degree from Ohio University. She has been part of the Cleveland Clinic (CC) Health System since 2007.

Ms. Nichols served as the Cardiac Care (CC) registry site manager for the ACC NCDR® ICD Registry™ 2012 – 2014. This role included management of quality and outcomes data for main campus and registry oversight at four regional hospitals. During that time, she developed and implemented process improvements surrounding device based therapy guidelines and medication compliance. The process included educating physicians about documentation requirements, a standard of practice for abstracting, monthly abstractor audits and a review of all outliers. During that time, she audited 100% of cases for four regional hospitals. She has assisted CC physicians with the use of registry data for ABIM maintenance of certification.

Ms. Nichols is a very active member of the ACC NCDR and has frequently presented at the annual conference and served on the planning committee. She also served on the NCDR ICD Registry Expert Panel that developed the v2.2 ICD Registry data collection form and data dictionary. She serves on the ACC Focus Group for development of the Quality Improvement for Institutions website, is on the steering committee for the Ohio Thoracic and Cardiovascular Data Managers Group. She notes that the latter is an all-volunteer group that is committed to improving the standardization and quality of data abstraction for all registries. She was the lead for planning and hosting the 13th annual meeting at Cleveland Clinic.

Sheila Nichols's current role is as a Clinical Analyst for Cleveland Clinic's Heart & Vascular Institute Affiliate and Alliance Program. She performs analysis and provides recommendations related to data quality and strategic initiatives related to cardiac registries. She performs audits and education to ensure accurate documentation and abstraction, which results in actionable reporting to physicians and executives. Lastly, she works with quality and registry teams to initiate performance improvement projects.

Melissa R. Nitta, MPH, BS, RN
Ms. Nitta transitioned to her current position at the ACC as a Clinical Quality Advisor in June, 2014, where she provides customer support to participating sites of the CathPCI Registry and the IMPACT Registry. She is from Kauai, where she worked as the Clinical Supervisor of the Emergency Department and later the Trauma Program Manager for the state's largest health care provider, and the largest medical facility on the island. Part of her responsibilities included facilitating physician as well as staff quality peer reviews, data abstraction and analyzing and implementing performance improvement measures.

William J. Oetgen, MD, MBA, FACC, FACP
William Oetgen is executive vice president of the ACC. As an ACC member, Oetgen served as chair of the NCDR® PINNACLE Registry Steering Committee and as co-chair of the College's Medical Professional Liability Working Group.

In addition to being an ACC staff member, Oetgen is a clinical professor of medicine at the Georgetown University School of Medicine. In 2005, he joined the Board of Directors of MedStar Health, Inc., a nine-hospital integrated health system in the Washington – Baltimore and in 2010 became chair of the MedStar Health Corporate Finance Committee.

Prior to joining the ACC, Oetgen spent time as chief of cardiology at Greater Southeast Community Hospital in Washington, DC. He then co-founded Maryland Health Care Associates, a multi-specialty medical practice and Apollo Medical Management Company, a management services organization in southern Maryland. Oetgen retired in 2010 after nearly 25 years of actively practicing cardiovascular medicine. At that time, Maryland HealthCare Associates had grown to more than 90 physicians.

Oetgen completed his internship and pediatrics residency at Walter Reed Army Medical Center in Washington, DC and later volunteered to serve at the U.S. Army Hospital in Seoul, Korea as an internist and flight surgeon. He was trained in adult cardiovascular disease at Walter Reed and there served as the director of the coronary care unit. His active duty Army service as assistant chief of the cardiology service ended in 1986 at which time he began private practice.

In 1999, Oetgen retired as a colonel in the medical corps of the U.S. Army Reserve.

He co-edited *Governance for Health Care Providers: The Call to Leadership*, a 2008 published primer on non-profit governance issues for health care professionals. Oetgen has authored or co-authored more than 50 pieces that have been published in peer-reviewed medical literature.

Oetgen earned a Bachelor of Arts degree in psychology from Marquette University in Milwaukee, Wisconsin and received his medical degree *cum laude* from Saint Louis University School of Medicine. He is a member of both Alpha Sigma Nu, the Jesuit national honor society, and Alpha Omega Alpha, the medical national honor society. Oetgen continued his education in 1996 with a Master of Business Administration degree from Georgetown University and later in 2001 with a Bachelor of Science degree in accounting from the University of Maryland University College.

Shilpa Patel
Shilpa Patel is the Associate Director of Quality Campaigns for the American College of Cardiology, where she leads the College's work on designing QI programs, implementation of best practices, and development of learning networks. Ms. Patel also manages the Hospital to Home and Surviving MI Campaigns and serves as a consultant on the Patient Navigator Program. Prior to joining the ACC, she 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 with a degree in Health Care Management, and completed the American Association of Medical Society Executives Leadership Academy. She also serves on the Auburn University Health Administration Advisory Council.

Diane Penzkowski, MS, RN
Diane Penzkowski is the Director of Cardiovascular Quality for the Aurora Health Care System in Southeastern Wisconsin. Based at Aurora-St. Luke's Medical Center, a 931 bed tertiary care hospital, she has system cardiac quality and programming responsibilities at 15 Aurora hospitals and the cardiovascular clinics. These responsibilities include developing and operating cardiac [Heart Failure, Chest Pain/AMI, Interventional (CathPCI and EP), Cardiothoracic Surgical, and Vascular] programs to meet quality core measures, best-evidenced practice, patient and caregiver satisfaction to improve patient care outcomes. Responsible for the management of the Cardiovascular Data Services Department, she has been able to drive cardiac data collection, analysis, and care management to improve the care of cardiac patients. Leadership in program development has led to Aurora Health Care-St. Luke's Medical Center's recognition by US News and World Report as ranked 31/50 for cardiovascular care.

While at Aurora, Diane started as the Cardiac Program Manager with Quality, then moved into a Director role responsible for Noninvasive Cardiac Diagnostics. She then became the Director of the Neuroscience Service line, before moving back into Cardiovascular Quality. Prior to her work at Aurora, she provided medical and regulatory review of pharmaceutical materials used by clinical research, sales and marketing folk at Abbott Laboratories in North Chicago. Seventeen years of career development were spent at Wheaton-All Saints Medical Center in Racine, WI. This career led Diane from staffing on a Telemetry Unit to developing and managing this unit to a 40-bed Cardiac Step-Down Unit. In addition, she managed two Ambulatory Surgical Centers for GI Associates.

Christine Perez, JD
Christine Perez is the Associate Director of Medicare Payment & Quality Policy for the American College of Cardiology. She leads the College's advocacy work on Medicare physician and hospital payment policies and their alignment with quality reporting and value-based performance initiatives. Prior to joining the ACC, Christine managed federal government relations activities for professional associations in SmithBucklin Corporation's healthcare business unit where her clients included the American Urogynecologic Society, the National Society of Genetic Counselors, and the National Association Medical Staff Services. Most recently, she served as a Director at ADVI, where she advised trade associations and medical device and pharmaceutical companies on coverage, coding, and reimbursement policy and strategy.

Christine received a B.A. in Government and Politics from the University of Maryland, College Park and J.D. from The Catholic University of America Columbus School of Law in Washington, DC, where she served as an Associate Editor to *The Journal of Contemporary Health Law and Policy*. She is admitted to the bar of the state of Maryland.

Rosa Pinckney, BS
Rosa Pinckney is a Data Coordinator for the Transcatheter Aortic Valve Replacement Program at the Hospital of the University of Pennsylvania. Rosa has been employed with Penn Medicine for four years. She graduated from Palm Beach Atlantic University with a Bachelor's of Science degree in Biology/ Chemistry and has worked in a multidisciplinary setting for sixteen years. Rosa is currently pursuing a Master of Science Degree in Health Care Administration with a concentration of Health Law from Pennsylvania College of Health Sciences.

Denise M. Pond, BSN, RN
Mrs. Pond joined the ACC five years ago and is a clinical quality advisor for the ICD, LAAO and AFA Registries, in addition to cross covering for the ACTION Registry-GWTG. She spent 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.

Andrea Price, MS, RCIS, CCA
Andrea Price's career with Indiana University Health began in 2001. In the ten years in the clinical area, Andrea gained experience in both invasive and non-invasive cardiology. In 2011, Andrea moved into the quality arena as the CathPCI Registry Data Coordinator. Since then, she has held various leadership roles, most recently as the Executive Program Director of CV Specialty Registries and Process Improvement for the Indiana University Health System Quality Department. She facilitates intradisciplinary teams to improve patient outcomes through structured reporting, process improvement and resource tool development. Her system project, for Risk Adjusted Bleeding, was recognized at NCDR.14 with the People's Choice Award.

Andrea earned her Bachelor's degree in Exercise Science and a Master's degree in Human Resource Development both from Indiana State University. She is an active member of the American College of Cardiology, is certified as a Lean Six Sigma Black Belt, and is a Registered Cardiovascular Invasive Specialist. Beginning April 2015, she began her three-year term as a member of the NCDR's CathPCI Steering committee for the ACC. In April 2017, she will begin her committee appointment as a CVT Member of the Cardiovascular Team Section Leadership Council.

Beth Pruski, MSN, RN, CPHQ
Ms. Pruski joined the NCDR team in 2013 as Program Manager for the ACTION Registry-GWTG. She has more than 15 years of cardiac nursing experience at Washington Hospital Center in Washington, DC and a number of community hospitals in Maryland. Just prior to joining the ACC, Ms. Pruski worked as a Nursing Director of an Intensive Care Unit and Coronary Care Unit, where she worked on numerous quality improvement initiatives, including with the STEMI coordinating committee for the hospital. She achieved her Certification as a Professional in Healthcare Quality from the National Healthcare Association of Quality in 2015, and maintains member status with the American Association of Critical Care Nurses.

Ms. Pruski holds a Bachelor of Science in Nursing from Boston College and her Master of Science in Nursing from The Catholic University of America in Washington, DC.

Elizabeth (Tess) Saarel, MD, FACC
Dr. Elizabeth (Tess) Saarel, MD is a pediatric cardiologist and has been chair of Cleveland Clinic Children's pediatric cardiology department as the Ronald and Helen Ross Distinguished Chair in Pediatric Cardiology since 2015. She is affiliated with multiple hospitals in the area,

including Cleveland Clinic and Cleveland Clinic Children's Hospital for Rehabilitation. Saarel previously served as director of pediatric electrophysiology at Primary Children's Hospital and the University of Utah in Salt Lake City. Dr. Saarel's research interests focus on preventing sudden cardiac death and diagnosing/treating arrhythmias in children and young adults with congenital heart disease.

Dr. Saarel graduated from Princeton University and received her medical degree from David Geffen School of Medicine at UCLA. She has been in practice for more than 20 years.

Cindy Salyer, BS, RN, FCCA
Ms. Salyer is a Director in Premier's Performance Partner, Cost Management practice and is based in Kingsport, TN. She joined Premier in August 2012. Ms. Salyer participates in clinical resource utilization management initiatives focusing primarily on appropriate level of care utilization and Cardiovascular Service Line opportunities, which focus on helping member hospitals and health-care systems improve their provision of cost-effective cardiovascular diagnostics, interventions and cardiovascular medicine. Clinical resource management uses Premier information technology solutions to support and develop sustainable solutions to maximize outcomes in practice, utilization, quality and selection of clinical supplies and practices. Some areas of expertise include:

- Development and interpretation of pertinent cardiovascular and pulmonary benchmarking metrics
- Cost reduction techniques in cardiovascular and pulmonary medicine
- Clinical oversight and quality improvement initiative leadership
- Strategic planning for Cardiovascular Service Line management
- Strategic planning for Wound Care, Sleep, and Chest Pain Centers

Richard E. Shaw, PhD, MA, FACC, FACA
Dr. Richard Shaw is currently Director of Clinical Informatics and Reporting at California Pacific Medical Center (CPMC) in San Francisco, California, where he also Research Director for the Cardiology Fellowship training program. Dr. Shaw was Director of Research and Quality for the CPMC Heart and Vascular Center from 2003 to 2008 and was Director of Research and Operations for the San Francisco Heart Institute from 1984 to 2003. He is a Fellow of the American College of Cardiology (ACC), the American Heart Association (AHA) and the American College of Angiology (ACA). He has served on numerous committees for the ACC National Cardiovascular Data Registry (NCDR), including the Executive Management Board, the Science Oversight Committee, and the Cath/PCI Research and Publications Committee, and is currently the chair of the Data Governance Subcommittee. He chaired the committees that developed version 3.0 of the NCDR Cath/PCI database and version 2.0 of the ACTION-GWTG registry. In 2006 Dr. Shaw received the "NCDR Founding Father Award" for his long standing work on the ACC-NCDR and was recognized the same year as "Impact Player of the Year" by Mi-Co Corporation for his work on Tablet-PC mobile data capture techniques for cardiac information. He received the Teaching Excellence Award for the Cardiology Fellowship Program at CPMC in 2009 and again in 2015. Dr. Shaw is currently Editor-in-Chief Emeritus of *The Journal of Invasive Cardiology*, which he edited from 1989 through the

end of 2013. He serves as an editorial consultant to several major medical journals and received the certificate of excellence in reviewing for *Heart and Lung -The Journal of Acute and Critical Care* in 2013. Since 2003, Dr. Shaw has served on the CPMC and Sutter-wide Research Institutional Review Boards and has been the chair and statistical consultant for several Data Safety and Monitoring Boards for major clinical trials.

Dr. Shaw received his Ph.D. degree in Medical Research, Informatics and Statistics from the Graduate Division and School of Medicine at the University of California, San Francisco, where he received the Robert E. Harris award for Distinguished Research in 1983. He is also certified in Nuclear Medicine Technology by the National Nuclear Medicine Technology Certification Board, with over 10 years of clinical experience in Nuclear Medicine. Dr. Shaw has been a co-investigator on many clinical trials and has published over 500 abstracts, articles and book chapters on cardiac catheterization intervention, cardiac surgery, longitudinal assessment of medical outcomes, development of risk-adjustment models, and comparative effectiveness and innovative approaches to collecting medical information. Dr. Shaw has been a consultant to cardiac programs around the country and has lectured on development of cardiovascular research programs, statistical methods and analysis, design of medical databases and risk adjustment methodology.

Wanda Shelton, RNS, RN-BC
Wanda Shelton has been a nurse for 32 years, and has worked in the medical profession for 36 years. Directly out of high school, she took a job in the Medical Records Department at Moses Cone Hospital, where she worked for 4 years before leaving to be a full time mother to three children. In 1983, she started college at Rockingham Community College and graduated in 1985 with an Associate's Degree in Nursing. In 1990, she obtained her Medical-Surgical Certification through the American Nursing Credentialing Center, which she has maintained for over 25 years. Ms. Shelton returned to school and graduated with honors from the RN to Bachelors of Science Nursing program at Winston-Salem State University in 2011.

In 1985, she took a job on a 40 bed multidiscipline unit that included both pediatric and adult patients at Morehead Hospital in Eden NC. After 6 months there, she returned to Moses Cone Hospital on the heart failure unit. She has held many positions at Cone Health, mostly as a bedside nurse. She has been a staff nurse on a cardiac unit, a short stay unit, a diabetic teaching unit and then an RN III for 17 years on the renal unit. A RN III is considered a clinical expert who lends guidance to other members of the health team. On the renal unit, she was a bedside nurse, but had the additional responsibility of being the leadership on-call nurse every 6 weeks. In 2006, Ms. Shelton took the newly created position of Progression Nurse on the renal unit. This position was designed to allow a unit assigned nurse to work closely with the patient and their family, as well as the unit staff, providers, social workers, and case managers to develop discharge plans that met the patients' needs while driving down length of stay. During this time, she became fascinated by how a small change could have a huge impact.

In 2011, after obtaining her BSN degree, Ms. Shelton took a job as a Clinical Quality Coordinator for the Informatics Department within the Quality Division at Cone Health. She started that position working with many of the Surgical Core Measures and working closely with Women's Hospital on Women's Health initiatives. In 2015, she was asked to manage the PVI Registry. In that role, she has worked closely with the vascular teams at both Cone Hospital and

Alamance Regional Hospital to improve quality metrics. She believes that the vascular teams at both campuses provide excellent care to their patients, and works hard to ensure their metric scores reflect their dedication.

On a personal note, Wanda Shelton has been married for 44 years to her husband Jimmy. They live on a farm in Stokesdale NC, which is a small, rural community 20 miles north of Greensboro. They have three adult children, and three beautiful grandchildren. Ms. Shelton is a Sunday school teacher for an adult class at a small Methodist church and loves to direct the Children's Christmas Play each year. Her hobbies include reading, writing poetry, crocheting and being a cheerleader for all of her grandkids' sporting events and activities. Also, after years of seeing the negative impact of obesity, she is a Weight Watcher who has lost over 60 pounds in the last 2 years.

Jeffrey Shuren, MD, JD
Jeffrey Shuren, MD, JD, is the Director of the Center for Devices and Radiological Health (CDRH) at FDA. He previously served as Acting Center Director. Dr. Shuren has held various policy and planning positions within FDA from 1998 to 2009, including Acting Deputy Commissioner for Policy, Planning, and Budget; Associate Commissioner for Policy and Planning; and Special Counsel to the Principal Deputy Commissioner. Dr. Shuren is board certified in Neurology and served as an Assistant Professor of Neurology at the University of Cincinnati. In 1998, Dr. Shuren joined FDA as a Medical Officer in the Office of Policy. In 2000, he served as a detailee on the Senate HELP Committee. In 2001, he became the Director of the Division of Items and Devices in the Coverage and Analysis Group at the Centers for Medicare and Medicaid Services. Dr. Shuren returned to FDA as the Assistant Commissioner for Policy in 2003, and assumed his current position in September 2009.

Michael Simanowith, MD
With training in medicine and engineering, Mr. Simanowith came to the American College of Cardiology in 2010 as an IT systems analyst for National Cardiovascular Data Registry (NCDR) projects. He was the lead analyst on several registries including PINNACLE and the initial launch of the IMPACT congenital treatment registry.

Michael transitioned to the clinical science staff in 2013 to manage the implementation of ACC's Public Reporting program which provides patients with key quality information on over 500 US hospitals performing percutaneous coronary intervention and/or implantation of cardioverter defibrillators. In this capacity he also led the initiative to match ACTION and CathPCI clinical data to the CDC National Death Index for the primary purpose of reporting post-hospitalization mortality metrics (such as AMI 30 Day Mortality).

Michael has recently assumed leadership of the NCDR Science Development & Implementation teams. In this role he is responsible for leading ACC staff working directly with physician leaders in the development of all registry datasets and metrics as well as the scientific support of NCDR data collection and reporting systems with a particular focus on facilitating registry-EHR integration.

Liza St. Clair, MS, BSN, RN, CPHQ
Ms. St. Clair joined the ACC as a Clinical Quality Advisor in June, 2014. She provides customer support to participating sites of the STS/ACC TVT Registry. After graduating with a Bachelor's

degree in nursing from the University of Virginia, she began her career as a cardiology nurse working in the PCCU and CCU. Shortly thereafter, she served as a Department of Defense contractor for TRICARE Management Activity to support clinical quality and patient safety programs. After she obtained a Master's Degree in Health Systems Management from George Mason University, Ms. St. Clair became a Cardiology Quality Consultant at Inova, a hospital system serving the Norther Virginia area. During her tenure at Inova, she applied her skills to maintain CMS and JCAHO certifications; facilitate physician peer review groups; collect and analyze hospital performance measures; and implement multiple performance improvement initiatives. She also successfully facilitated the achievement of AACN Beacon awards for the cardiology ICUs and was designated as the Heart Failure Coordinator to implement a program that achieved Joint Commission Disease specific certification. Ms. St. Clair has shared her tremendous wealth of knowledge and experience by mentoring graduate students and nurses visiting from China as well as been invited as a guest lecturer in China to discuss clinical quality, patient safety and outcomes.

James E. Tcheng, MD, FACC
James E. Tcheng, MD is a Professor of Medicine, Department of Medicine, Division of Cardiology, and Professor of Community and Family Medicine (Informatics), Department of Community and Family Medicine of the Duke University School of Medicine. Dr. Tcheng received his MD degree from the Johns Hopkins University School of Medicine (Baltimore, MD) and completed his residency in medicine at Barnes Hospital / Washington University (St. Louis, MO). He completed fellowship training in cardiology at Duke University and joined the faculty of Duke in 1988.

Dr. Tcheng is a practicing interventional cardiologist and faculty of the Duke Clinical Research Institute (DCRI) and the Duke Center for Health Informatics (DCHI). He serves as Director of the Duke Cardiovascular Databank and Director of Performance Improvement for the Duke Heart Center. He previously was the Medical Knowledge Architect responsible for the implementation of clinical decision support across the Duke Health System. He is currently faculty of the Medical Device Epidemiology Network (MDEpiNet) Coordinating Center of the DCRI. In addition, he is Chair of the Informatics and Health IT Task Force of the American College of Cardiology, is a member of the ACC National Cardiovascular Data Registry Management Board, and the ACC/AHA Task Force on Clinical Data Standards. He is an accomplished educator and is the 2015 recipient of the Duke Master Clinician / Teacher award.

Dr. Tcheng has led a number of informatics initiatives spanning professional societies, regulatory and other government agencies, industry, and non-governmental organizations to develop clinical data standards, interoperability solutions, and to integrate structured reporting into clinical workflows. His current work focuses on harmonizing the clinical definitions and informatics of cardiovascular clinical data elements across academia, regulatory agencies, the life sciences industry, professional societies, and standards organizations, to improve the capture, communication, interoperability, and analysis of healthcare information.

Judy E. Tingley, DNP, MPH, RN, AACC
Dr. Tingley is the Vice President and Chief Executive Officer of the Erlanger Heart and Lung Institute. In this role, she leads the overall operations of the Institute, quality improvement, program development and clinical education efforts. Additionally, she is Assistant Professor of

Clinical Nursing at Columbia University Medical Center, teaching Practice Leadership & Quality in the Doctor of Nursing Practice program.

Previously the Chief Operating Officer (COO) of Columbia HeartSource, a cardiovascular healthcare quality-consulting group at Columbia University Medical Center in New York, New York. As the nurse administrator for the group, Dr. Tingley applied her expansive expertise in cardiology, cardiac surgery, quality improvement, and data management to support clinical education and performance improvement initiatives throughout the network of Columbia HeartSource affiliate hospitals. She earned her Baccalaureate degree in Nursing from Georgia Southwestern State University in Americus, Georgia where she was inducted into Sigma Theta Tau International. Dr. Tingley received her Master's in Public Health from The Mailman School of Public Health at Columbia University, and her Doctorate in Nursing Practice from Case Western Reserve University in Cleveland, Ohio.

With more than 20 years in healthcare, her clinical experience includes cardiac surgery intensive care (ICU), transplant ICU, and the cardiac catheterization laboratory in both community and academic hospital settings. Dr. Tingley's data management experience includes reporting requirements of the Society of Thoracic Surgeons (STS), American College of Cardiology's (ACC) National Cardiac Data Registry, and the New York State Department of Health. She is a member of the American Nurses Association, American Nurses Association New York, American Association of Critical Care Nurses, American College of Healthcare Executives, an Associate of the American College of Cardiology (ACC) and an active member of the ACC's Science & Quality Committee, Surviving MI Steering Committee, the Patient Navigator Program Workgroup, as well as the Society of Thoracic Surgeon's Task Force on Quality Improvement. She has contributed to the ACC InTOUCH Blog, has co-authored two articles for *The Journal of Thoracic and Cardiovascular Surgery,* authored and article on team based care in *Heart Failure Clinics* and contributed to numerous quality improvement posters. She has been an invited speaker and co-chair for sessions at the TCT, TCT@ACC-i2 and the ACC scientific sessions. As a strategic planning, team building, nurse leader who develops solutions to today's ever-changing healthcare challenges, Dr. Tingley's research interests include healthcare organizational readiness for change and its impact on improving the quality of healthcare.

Megan Tooley
Megan Tooley is the Practice Manager overseeing the Cardiovascular Roundtable at Advisory Board, which partners with over 1,300 heart and vascular centers across the nation, as well as technology and service providers in the CV space.

In this role she provides strategic guidance to CV program leaders on key issues such as service line development and integration, readmissions reduction, episodic cost management, and developing patient-centered models of care. She regularly presents on the impact of health care reform and market trends on CV services at strategic planning retreats and national society conferences to help leaders set a successful program strategy. Megan also is a leading expert in structural heart and TAVR program development and optimization, supporting programs in evaluating, implementing, and enhancing the value of patient-centered valve programs. Megan graduated from Duke University with a degree in biomedical engineering, and has been with the Cardiovascular Roundtable since 2009.

Rebecca Torguson, MPH
Ms. Torguson has worked in a research capacity with MedStar Health for almost 15 years, assisting with and conducting clinical research and associated activities. At MedStar she has developed an academic clinical research organization that facilitates the investigator-sponsored research both as a single center (MWHC) and multicenter clinical trials. These trials include phase 3b IND, IDE and observational studies. She obtained her MPH in Biostatistics from Columbia University in 2007 and returned to MedStar. She has co-authored over 250 peer-reviewed manuscripts, with several focusing specifically on regulatory sciences. Currently she supervises a team of project leads who manage MedStar Cardiovascular Research Network's clinical trials; these works include protocol design, protocol writing, FDA submission (when necessary), regulatory oversight, site oversight, data management, statistical analysis and final manuscript/ report generation. Additionally, she manages the internal epidemiological research being conducted for cardiology within MedStar Heart and Vascular Institute (MHVI). Rebecca applies regulatory practices in her daily activity, and she is interested in the scientific approaches and tools that underpin these regulations and guidances.

Jamie Treend, BSN, RN
Jamie Treend is a nurse leader with over 20 years of experience including critical care, marketing/outreach, training/education, clinical research/trial safety management, medical malpractice legal work, and data abstraction. Since 2014 she has been a Clinical Data Abstractor II at MountainStar Healthcare in Salt Lake City, Utah. Ms. Treend received her Bachelor of Science in Nursing in 1997 from San Diego State University in San Diego, California.

In her spare time, Ms. Treend serves as a volunteer on various committees on the Indian Hills Elementary School Parent Teachers Association in Salt Lake City.

Thomas T. Tsai, MD, MSc, FACC
Dr. Tsai currently works in the Division of International Cardiology at Colorado Permanente Medical Group and as an Assistant Clinical Professor of Medicine at the University of Colorado Denver, School of Medicine. He completed his undergraduate work, MD and MSc at the University Michigan in Ann Arbor. Dr. Tsai received his medical training at the University of Michigan Hospitals and is Board Certified in Internal Medicine, Cardiovascular Diseases, Interventional Cardiology and Vascular Medicine-Endovascular. Dr. Tsai has served on the NCDR Science and Quality Oversight Committee and the NCDR CARE Registry Steering Committee.

Tammy Tyner, BSN, RN
For the past seven years, Tammy Tyner has been the Cardiovascular Services Data Analyst/Coordinator at Trident Medical Center in Charleston, South Carolina. This includes being the administrator for the NCDR CathPCI, ACTION-GWTG, and ICD Registries. She is a registered nurse with 20 years of experience, 16 of them being in cardiovascular nursing. Ms. Tyner is a recognized nurse leader who believes that customer satisfaction is the number one priority no matter who the customer may be. She received her Bachelor of Science in Nursing from the Medical University of South Carolina, Charleston, SC, in 1996. Ms. Tyner is an active volunteer, serving as Annual Team Leader for the Cardiovascular Services' American Heart Walk team and the Cystic Fibrosis Walk. She participates regularly in community health

screenings and annual seminars and also is an active member of the Crowfield Baptist Church, providing education to its members.

Paula Van Laanen, BSN, RN, CCRN
Paula Van Laanen is a nursing professional with over 30 years' experience in specialized clinical and quality management positions. Over ten years of this time has been dedicated to managing hospital Quality Improvement programs including: ACC, STS and inpatient/outpatient Core Measure data abstraction, database management and quality improvement initiatives. Ms. Van Laanen has been a Senior Cardiothoracic Data Analyst at Aurora Health Care, Milwaukee, WI, for the past two years. In this capacity she manages St. Luke's Medical Center's NCDR LAAO Registry and the NCDR CathPCI Registry for the Oshkosh Medical Center campus. She worked as a staff nurse in the cardiac catheterization laboratory of Froedtert Memorial Lutheran Hospital, Wauwatosa, WI, for many years, as well as a Cardiac Data Manager/Analyst and Quality Management Coordinator. She received her Bachelor of Science in Nursing from the Catholic University of America in Washington, D.C. One of her past experiences that is noteworthy is that Ms. Van Laanen worked overseas for the U.S. Department of State at the American Embassy in Monrovia, Liberia as Nurse Consultant and Emergency Medical Evacuation Nurse.

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, FSCAI
Dr. Vincent is a pediatric cardiologist and Professor of Pediatrics at Children's Healthcare of Atlanta and Emory University School of Medicine. He completed his undergraduate and medical school education at McGill University, Montreal Canada, pediatric residency at Montreal Children's Hospital and cardiology fellowship at Boston Children's Hospital. He has been a member of ACC since 1988 and SCAI since 1994. His primary interests are interventional cardiac catheterization and congenital heart disease. He has been a member of the IMPACT Steering Committee since its inception and Chairman 2014. He, along with others, are overseeing the changes and improvement of the current registry which will also include two new modules (percutaneous pulmonary valve replacement (PPVR) and electrophysiology) when published as a new version late 2015 or early 2016.

Dr. Vincent is an advocate for cardiology in general and pediatrics in particular, having served as the President of the Georgia Chapter of the ACC, member of the ACC's Board of Governors and the ACC Adult Congenital and Pediatric Cardiology (ACPC) Council. He is a member of SCAI's Advocacy Committee and co-chair of the ACPC Advocacy Committee. He is a strong supporter of data-driven decision making and hopes to see IMPACT drive this forward for congenital interventions.

Ron Waksman, MD, FACC
Ron Waksman, MD, FACC, is Associate Director, Division of Cardiology, MedStar Washington Hospital Center (MWHC) and Director of Cardiovascular Research and Advanced Education for the MedStar Heart and Vascular Institute at the MedStar Washington Hospital Center. With nearly 20 years of experience in leading edge medical technologies, Dr. Waksman is a world-renowned interventional cardiologist and is a highly sought after Principal Investigator for pre-clinical and clinical studies conducted in the United States and abroad. Dr Waksman has performed over 5000 coronary interventions throughout his career.

His current research interests include brachytherapy for restenosis prevention bioabsorbable/ biodegradable stents, HDL therapy, intracoronary imaging, valvular heart disease and catheter-based treatment of renal denervation. Dr. Waksman has authored/co-authored more than 310 published manuscripts and over 230 abstracts. He is also the author/co-author of more than 20 book chapters and the editor/co-editor of six books in the field of cardiology. He serves as the Editor-in-Chief of the journal Cardiovascular Revascularization Medicine (Including Molecular Interventions) and is on the editorial boards of numerous prominent scientific journals such as the Journal of American College of Cardiology and the American Journal of Cardiology.
In addition to his clinical and research endeavors, Dr. Waksman is a professor of medicine (cardiology) at Georgetown University; he is the co-director of the Interventional Cardiology Fellowship Program at WHC; and the director of the annual Cardiovascular Revascularization Therapies (CRT) meeting, an event that presents multiple, concurrent scientific meetings to medical and industry professionals in the field of cardiology. Dr. Waksman is an active member of several prominent national and international professional societies, and is the recipient of awards and honors for his expertise in brachytherapy, interventional cardiology, and clinical investigation.

He earned his medical degree from the Ben Gurion University in Israel and completed residencies in medicine, cardiology, and interventional cardiology at Hadassah University in Jerusalem, Israel. Subsequently, Dr. Waksman completed his fellowship in interventional cardiology in 1994 at Emory University Hospital in Atlanta, GA.

Mary Norine Walsh, MD, FACC
Dr. Walsh earned both her undergraduate and medical degrees from the University of Minnesota. She completed her internship and residency at the University of Texas Southwestern, and her cardiology fellowship at Washington University School of Medicine. She served as an assistant professor of medicine in the division of cardiology, as well as an assistant professor of radiology at the Hospital of the University of Pennsylvania. Walsh then joined what is now St. Vincent Medical Group in Indianapolis, IN. She is the medical director of the Heart Failure and Cardiac Transplantation Programs and director of nuclear cardiology at St. Vincent Heart Center. She has been active in the ACC, both locally and nationally. She has served as president of the Indiana Chapter, and has served on and chaired multiple

committees. She is actively involved in clinical research in heart failure, nuclear cardiology and systems approaches for quality initiatives in the practice setting. She has been elected by her peers for inclusion in Best Doctors in America annually since 2005.

Lindsay Werner, BS
Lindsay Werner is a highly experienced healthcare project leader and subject matter expert for healthcare administration process improvement. She has had seven years of cross-discipline experience as a Unit Clerk, a Medical Record Data Abstractor and Team Lead, a Junior Application Trainer, and an Activities Director. For the past two years she has been a Data Analyst at Saint Joseph Mercy Hospital in Ann Arbor, Michigan, where she is responsible for abstracting, reviewing and entering data into the NCDR Registry. In addition she provides data reports for quality improvement and designs quality improvement projects. Ms. Werner received a Bachelor of Science degree in Health Administration in 2010 from Eastern Michigan University.

Betsy E. Wymer, MSN, BSN, RN, RN-BC
Mrs. Wymer transitioned to her current position at the ACC as a Clinical Quality Advisor in July 2015, where she provides customer support to participating sites of the PVI and CathPCI Registries. After graduating from Kennesaw State University in Georgia, she began her nursing career as a cardiology nurse working in CCU. Shortly thereafter, she and her family relocated to the DC area where she worked at The George Washington Hospital as the Assistant Manager for CCU and Telemetry services. Mrs. Wymer and her family then moved to the beautiful equestrian countryside of Virginia where she joined the Inova Healthcare System in Interventional Radiology and Cardiac Catheterization Lab. Mrs. Wymer was fortunate enough to be a recipient of The Inova Loudoun Nurse of the Year in 2009 and be the first nurse recipient of the Tim Raabe Award. She ran the Peripheral Arterial Disease Clinic in Interventional Radiology for three years prior to joining the ACC. She is currently enrolled in graduate school, Chamberlain College of Nursing, focusing on her Doctorate of Nursing Practice, Healthcare Systems Leadership Specialty Track.