

**ONLINE APPENDIX 2: PEER REVIEWER RELATIONSHIPS WITH INDUSTRY AND OTHER ENTITIES
(COMPREHENSIVE)—2017 ACC EXPERT CONSENSUS DECISION PATHWAY FOR OPTIMIZATION OF HEART FAILURE
TREATMENT**

Reviewer	Representation	Employment	Consultant	Speakers Bureau	Ownership/ Partnership/ Principal	Personal Research	Institutional, Organizational, or Other Financial Benefit	Expert Witness
Frank V. Aguirre	Official Reviewer—BOG	Prairie Cardiovascular Consultants—Interventional Cardiologist	None	None	<ul style="list-style-type: none"> • Prairie Education and Research Collaborative* 	<ul style="list-style-type: none"> • Capricor 	<ul style="list-style-type: none"> • ACC* • AHA* • Capricor* 	None
Adrian F. Hernandez	Official Reviewer—Task Force on Expert Consensus Decision Pathways	Duke Clinical Research Institute—Director, Health Services Outcomes Research	<ul style="list-style-type: none"> • Amgen† • Bayer • Boehringer Ingelheim • Boston Scientific† • Gilead • Merck • Novartis† • Pfizer • Pluristem Therapeutics • Sanofi-Aventis 	None	None	<ul style="list-style-type: none"> • Abbott Evalve • Aires Pharmaceuticals • Amgen • AstraZeneca† • Bristol-Myers Squibb • Daiichi Sankyo • Genentech • GlaxoSmithKline † • Luitpold Pharmaceuticals • Merck† • Novartis† • Portola • Roche Pharma 	None	None
Theodore P. Abraham	Organizational Reviewer—ASE	University of California at San Francisco—Meyer	None	None	None	<ul style="list-style-type: none"> • Gilead Sciences • NHLBI • NIH 	None	None

		Friedman Distinguished Professor of Medicine						
Chad Darling	Organizational Reviewer—SAEM	University of Massachusetts Medical School— Associate Professor, Department of Emergency Medicine	None	None	None	None	None	None
Barbara Fletcher	Organizational Reviewer—PCNA	University of North Florida—Associate Professor of Medicine	None	None	None	None	None	None
Barbara A. Hutchinson	Organizational Reviewer—ABC	Chesapeake Cardiac Care—President; Association of Black Cardiologists— President	None	None	None	None	None	None
Phillip David Levy	Organizational Reviewer—ACEP	Wayne State University—Assistant Vice President; Associate Professor of Emergency Medicine; Associate Director of Clinical Research, Department of Emergency Medicine	<ul style="list-style-type: none"> • American College of Emergency Physicians† • Apex Innovation† • Cardioentis • Novartis† • Roche Diagnostics† • Rosh Review • Sciex • Shire† • Siemens† • Trevena† • ZS Pharma 	None	<ul style="list-style-type: none"> • Emergencies in Medicine • MeSphere* 	<ul style="list-style-type: none"> • AHRQ† • Amgen† • Blue Cross Blue Shield of MI Foundation • Bristol-Myers Squibb† • Edwards Lifesciences† • Emergency Medicine Foundation* • NIH/NHLBI† • NIH/NIMHD† • PCORI† • Wayne State University† 	None	None

Starr D. Mirza	Organizational Reviewer— WomenHeart	Heart Disease Advocate	None	None	None	None	None	None
Robert M. Morlend	Organizational Reviewer—AHA	University of Texas Southwestern— Assistant Professor of Medicine	None	None	None	<ul style="list-style-type: none"> • AstraZeneca • Novartis • University of Michigan/NIH 	None	None
Robert Oberfield	Organizational Reviewer— Mended Hearts	Mended Hearts— Director, Cardiovascular CT; Registered Pharmacist	None	None	None	None	None	None
Sita S. Price	Organizational Reviewer—AAHFN	Elite Cardiac Care, LLC— Administrator/Director of Nursing	<ul style="list-style-type: none"> • Novartis 	<ul style="list-style-type: none"> • Amgen 	None	None	None	None
Brent N. Reed	Organizational Reviewer—APhA	University of Maryland School of Nursing—Associate Professor	None	None	None	None	None	None
Flora Sam	Organizational Reviewer—AHA	Boston University School of Medicine— Professor of Medicine, Whitaker Cardiovascular Institute	None	None	None	<ul style="list-style-type: none"> • NIH† 	None	None
Luis C. Afonso	Content Reviewer— Task Force on Expert Consensus Decision Pathways	Wayne State University School of Medicine— Professor; Program Director, Adult Cardiovascular Fellowship; Harper	<ul style="list-style-type: none"> • Zoll Medical* 	None	None	None	None	None

		University Hospital— Director, Echocardiography Laboratory; Detroit Medical Center— Physician, Division of Cardiology						
Donald E. Casey, Jr.	Content Reviewer—Heart Failure Guideline Writing Committee	IPO4Health— Principal	None	None	None	None	None	None
Monica M. Colvin	Content Reviewer—Heart Failure Guideline Writing Committee	University of Michigan Medical School—Associate Professor	None	None	None	<ul style="list-style-type: none"> • Care Dx • Scientific Registry of Transplant recipients/HRSA† • Thoratec • University of Michigan* 	None	None
Akshay Desai	Content Reviewer— Individual	Brigham and Women’s Hospital— Associate Director, Brigham Cardiovascular Consultants; Harvard Medical School— Associate Professor	<ul style="list-style-type: none"> • AstraZeneca† • Cheetah Medical† • DalCor Pharmaceuticals† • Janssen Pharmaceuticals • Merck • Novartis† • Relypsa† • Sanofi† • St. Jude Medical 	None	None	<ul style="list-style-type: none"> • Novartis† • Thoratec 	None	<ul style="list-style-type: none"> • Defendant, stroke in setting of sub therapeutic INR, 2017
Mark H. Drazner	Content Reviewer—Heart Failure Guideline Writing Committee	University of Texas Southwestern— Clinical Chief of Cardiology; Medical Director of the Heart Failure, LVAD, and Cardiac	None	None	<ul style="list-style-type: none"> • Trevena† 	<ul style="list-style-type: none"> • AHA† • Alnylam • DCRI/Otsuka America Pharmaceutical • NHLBI 	<ul style="list-style-type: none"> • UptoDate • AHA† • St. Jude† 	None

		Transplantation Program				• St. Luke's Hospital		
Michael M. Givertz	Content Reviewer—Heart Failure Guideline Writing Committee	Harvard Medical School—Medical Director, Heart Transplant and Mechanical Circulatory Support; Professor, Internal Medicine	• Merck	None	None	None	None	None
Tyler J. Gluckman	Content Reviewer—Individual	Providence Heart and Vascular Institute—Medical Director	• Boehringer Ingelheim	None	None	None	None	None
Lee R. Goldberg	Content Reviewer—Individual	University of Pennsylvania—Medical Director, Heart Failure and Transplantation Program; Hospital of the University of Pennsylvania—Associate Professor	• Medtronic	None	None	• NIH* • Respicardia*	None	None
William J. Hucker	Content Reviewer— ACC Task Force on Expert Consensus Decision Pathways	Massachusetts General Hospital—Fellow in Cardiovascular Medicine	None	None	None	None	None	None
Joseph E. Marine	Content Reviewer— ACC Task Force on Expert Consensus Decision Pathways	Johns Hopkins University School of Medicine—Associate Professor of Medicine	None	None	None	None	• UpToDate	None
Patrick Edward McBride	Content Reviewer—Heart	University of Wisconsin School of	None	None	None	None	None	None

	Failure Guideline Writing Committee	Medicine—Professor of Medicine; Family Medicine Associate; Dean for Students; Associate Director, Preventive Cardiology Program						
Pamela B. Morris	Content Reviewer— ACC Task Force on Expert Consensus Decision Pathways	Medical University of South Carolina— Director, Seinsheimer Cardiovascular Health Program; Co-Director, Women's Heart Care	<ul style="list-style-type: none"> • Amgen • AstraZeneca • Sanofi Regeneron 	None	None	<ul style="list-style-type: none"> • Amgen 	None	None
Gurusher S. Panjra	Content Reviewer— Heart Failure Council	George Washington University—Assistant Professor of Medicine; Director, Heart Failure and Mechanical Support Program	None	<ul style="list-style-type: none"> • Amgen† 	None	None	None	None
Tina P. Shah	Content Reviewer— Heart Failure Council	Baylor College of Medicine Michael E. DeBakey VA Medical Center—Assistant Professor of Medicine	None	None	None	None	None	None
Lynne Warner Stevenson	Content Reviewer—Heart Failure Guideline Writing Committee	Brigham and Women's Hospital— Professor of Medicine	<ul style="list-style-type: none"> • NHLBI* 	None	None	<ul style="list-style-type: none"> • Abbott* • NHLBI-INTERMACS (Co-PI)* • Novartis* 	<ul style="list-style-type: none"> • Abbott • NHLBI* 	None

Karol E. Watson	Content Reviewer— ACC Task Force on Expert Consensus Decision Pathways	UCLA Medical School—Co-Director, UCLA Program in Preventive Cardiology	<ul style="list-style-type: none"> • Amgen • AstraZeneca • Boehringer Ingelheim† • Daiichi Sankyo • GlaxoSmithKline 	None	None	• Merck (DSMB)	• Quest	None
Barbara Wiggins	Content Reviewer— ACC Task Force on Expert Consensus Decision Pathways	Medical University of South Carolina— Clinical Pharmacy Specialist Cardiology, Department of Pharmacy Services	None	None	None	None	None	None

This table represents all relationships of committee members with industry and other entities that were reported by authors, including those not deemed to be relevant to this document, at the time this document was under development. The table does not necessarily reflect relationships with industry at the time of publication. A person is deemed to have a significant interest in a business if the interest represents ownership of ≥5% of the voting stock or share of the business entity, or ownership of ≥\$5,000 of the fair market value of the business entity; or if funds received by the person from the business entity exceed 5% of the person’s gross income for the previous year. Relationships that exist with no financial benefit are also included for the purpose of transparency. Relationships in this table are modest unless otherwise noted. Please refer to <http://www.acc.org/guidelines/about-guidelines-and-clinical-documents/relationships-with-industry-policy> for definitions of disclosure categories or additional information about the ACC Disclosure Policy for Writing Committees.

* No financial benefit.

† Significant relationship.

AAHFN=American Association of Heart Failure Nurses; ABC=Association of Black Cardiologists; ACC=American College of Cardiology; ACEP=American College of Emergency Physicians; AHA=American Heart Association; AHRQ=Agency for Healthcare Research and Quality; APha=American Pharmacists Association; ASE=American Society of Echocardiography; HRSA=Health Resources and Services Administration; INR=international normalized ratio; NHLBI= National Heart, Lung, and Blood Institute; NIH=National Institutes of Health; NIMHD=National Institute on Minority Health and Health Disparities; PCNA=Preventive Cardiovascular Nurses Association; PCORI=Patient-Centered Outcomes Research Institute; SAEM=Society for Academic Emergency Medicine.