

**Steven A. Farmer, MD PhD FACC FASE****CURRENT POSITION**

11/13 -	George Washington School of Medicine	Associate Professor
11/13 -	George Washington School of Public Health	Associate Professor
11/13 -	George Washington Office of Clinical Practice Innovation	Associate Director

**PREVIOUS POSITIONS**

08/09 – 10/13	Northwestern Feinberg School of Medicine	Assistant Professor
08/09 – 10/13	Northwestern Kellogg School of Management	Assistant Professor
08/11 – 10/13	Northwestern Center for Cardiovascular Innovation	Director, Quality & Policy

**EDUCATION**

06/94	Stanford University	BA	Honors, International Relations
05/99	London School of Hygiene & Tropical Medicine	PhD	Health Services Research
05/03	Yale University School of Medicine	MD	Medicine

**GRADUATE MEDICAL EDUCATION**

07/03 – 06/04	University of Pennsylvania	Intern	Internal Medicine
07/04 – 06/06	University of Pennsylvania	Resident	Internal Medicine
07/06 – 06/08	University of Pennsylvania	Fellow	General Cardiology
07/08 – 06/09	University of Pennsylvania	Fellow	Noninvasive Cardiology

**BUSINESS TRAINING**

05/98 – 08/98	CSC Healthcare	Summer Consultant
08/99 – 04/00	CSC Healthcare	Consultant
04/00 – 08/01	True North Partners, LLC	Associate Consultant
04/06 – 05/08	The Larvol Group, LLC	Consultant

**BOARD CERTIFICATION & MEDICAL LICENSURE**

09/12 –	Maryland License
02/13 –	Virginia License
09/12 –	DC License
03/12 –	California License
08/09 –	Illinois License
07/03 – 12/10	Pennsylvania License
09/06 – 12/16	ABIM: Internal Medicine
11/09 – 12/19	ABIM: Cardiovascular Disease
05/10 – 06/19	NBE: Echocardiography
02/13 – 02/23	ASNC: Nuclear Cardiology

**AWARDS**

06/90	Colonel J. Irving Memorial Scholarship
06/93	SAFER Fellow
06/93	Undergraduate Research Golden Grant
06/94	Firestone Award for Excellence in Undergraduate Research
06/94	British Marshall Scholar

**PROFESSIONAL SOCIETY MEMBERSHIPS**

2003 -	American Medical Association
2006 -	American Heart Association

2006 - American College of Cardiology  
2006 - American Society of Echocardiography  
2009 - Academy Health

## PROFESSIONAL AND SCIENTIFIC SERVICE

### REFEREE

American Heart Association  
American Heart Journal  
American Journal of Cardiology  
Annals of Transplantation  
Circulation  
Circulation: Cardiovascular Quality and Outcomes  
Journal of the American Heart Association  
Journal of the American Medical Association  
Journal of Cardiac Failure  
NHLBI Cardiovascular Research Network

### COMMITTEE

Member, ACC PINNACLE Registry Research and Publications Subcommittee  
Member, AHA Writing Group - Impact of Registries Legislation on Statewide Systems of Care  
Member, AHA QCOR Conference Program Committee  
Reviewer, AHA QCOR Abstracts 2014

## RESEARCH GRANTS

08/13 – 07/18 Principal Investigator R01 (1 R01 HL113550)  
National Heart, Lung, and Blood Institute  
Joint Effect of Malpractice Risk and Financial Incentives on Cardiac Testing  
01/13 – 12/13 Co-Investigator  
American College of Cardiology NCDR (PINN-44)  
Relationship of Provider and Practice Volume to Performance Measure Adherence for  
Patients with Atrial Fibrillation, Heart Failure, and Coronary Disease.  
08/11 – 12/12 Principal Investigator  
Department of Medicine  
Development of a Conceptual Model of Heart Failure Hospital Readmissions  
09/10 – 08/11 Principal Investigator, subcontract on U19HL091179  
National Heart, Lung, and Blood Institute  
Variations in use of cardiovascular imaging for incident congestive heart failure.  
09/10 – 08/11 Co-Investigator, subcontract on U19HL091179  
National Heart, Lung, and Blood Institute  
Geographic Variation in Cardiovascular Procedure Rates, a Comparison Between  
Traditional Fee-For-Service Medicare and Managed Care Medicare delivered by  
Integrated Delivery Systems  
03/09 – 03/10 Principal Investigator  
American College of Cardiology NCDR  
System Level Contributions to Racial Disparities in CRT-D implantation amongst  
patients in the NCDR registry.  
06/07 – 03/09 Principal Investigator  
American College of Cardiology NCDR (04-I)  
Ethnic and racial Disparities in Cardiac Resynchronization Therapy.

## SCHOLARLY BIBLIOGRAPHY

### ORIGINAL ARTICLES

Maddox, T, F Tang, SS Virani, WB Oetgen, B Mullen, P Chan, P Casale, PS Douglas, FA Masoudi, SA Farmer, J Rumsfeld. *Implications of the 2013 ACC/AHA Cholesterol Guidelines for Adults in Contemporary Cardiovascular Practice: Insights from the NCDR PINNACLE Registry*. JACC, 2014; Accepted.

Pines, JM, SA Farmer, LM Pimmentel. *The Maryland Medicare Waiver and Emergency Care: Mixed Experiences Deserve Close Scrutiny*. American Journal of Medical Quality, 2014, Accepted.

Magid, DJ and SA Farmer. "Hypertension self-management: a home run for patients and payers." *Circ Cardiovasc Qual Outcomes*, 2014; 7(2): 205-206.

Pines, JM, SA Farmer, JS Akman. "Innovation" Institutes in Academic Health Centers: Enhancing Value and Quality Through Leadership, Education and Engagement. *Academic Medicine*, 2014; Accepted.

Farmer, SA, J Lenzo, DJ Magid, JH Gurwitz, DH Smith, G Hsu, SH Sung, AS Go. Hospital-level variation in use of cardiovascular testing for adults with incident heart failure: findings from the cardiovascular research network heart failure study. *JACC Cardiovasc Imaging*, 2014, 7(7): 690-700.2014.

Rokos, IC, LH Schwamm, M Konig, M Harty, KB Horton, J Ranous, AG Ellrodt, SA Farmer, MR Frankel, TB Ferguson, DC Goff, L Hiratzka, and AK Jacobs. *The Variable Impact of State Legislative Advocacy on Registry Participation and Regional System of Care Implementation*. *Circulation*, 2013. 128(16): p. 1799-809.

Matlock, DD, PW Groeneveld, S Sidney, S Shetterly, G Goodrich, K Glenn, S Xu, L Yang, SA Farmer, K Reynolds, AE Cassidy-Bushrow, T Lieu, DM Boudreau, RT Greenlee, J Tom, S Vuppurti, KF Adams, DH Smith, MJ Gunter, AS Go, DJ Magid. *Geographic Variation in Cardiovascular Procedure Use Among Medicare Fee-for-Service vs Medicare Advantage Beneficiaries*. *JAMA*, 2013. 310(2): p. 155-62.

Farmer, SA, BS Black, RO Bonow, Use of administrative data for public reporting of outcomes--reply. *JAMA*, 2013. 309(19): p. 1992.

Farmer, SA, RO Bonow, BS Black. *Tension Between Quality Measurement, Public Quality Reporting, and Pay-For-Performance*. *JAMA*, 2013; 309(4): 349-50.

Farmer, SA, KL Grady, E Wang, EC McGee Jr, WG Cotts, PM McCarthy. *Demographic, Psychosocial and Behavioral Factors Associated with Survival after Heart Transplant*. *Ann Thorac Surg*, 2013. 95(3): p. 876-83.

Farmer, SA, EJ Tuohy, DS Small, Y Wang, and PW Groeneveld. *The impact of community wealth on utilization of Cardiac Resynchronization Therapy with Defibrillator for heart failure patients*. *Circulation Cardiovascular Quality and Outcomes*, 2012. 5(6): p. 798-807.

Arnold, SV, JA Spertus, F Tang, HM Krumholz, WB Borden, SA Farmer, HH Ting, & PS Chan. *Statin Use in Outpatients with Obstructive Coronary Artery Disease*. *Circulation*, 2011;124:2405-10.

Farmer, SA, JN Kirkpatrick, PA Heidenreich, JP Curtis, Y Wang, and PW Groeneveld. *Ethnic and Racial Disparities in Cardiac Resynchronization Therapy*. *Heart Rhythm*, 2009. 6: 325-331.

Kirkpatrick, JN, B Ky, HW Rahmouni, JA Chirinos, SA Farmer, AV Fields, J Ogbara, KM Eberman, VA Ferrari, FE Silvestry, MG Keane, AR Opotowsky, M St. John Sutton, SE Wiegers. *Application of Appropriateness Criteria in Outpatient Transthoracic Echocardiography*. *J Am Soc Echocardiogr*, 2009. 22: 53-39.

Groeneveld, PW, SA Farmer, F Yang, JJ Suh, and MM Matta. *Outcomes and costs of implantable cardioverter-defibrillators for primary prevention of sudden cardiac death among the elderly*. *Heart Rhythm*, 2008; 5: 646-653.

Farmer, SA, DL Roter, and IJ Higginson. *Chest pain: communication of symptoms and history in a London emergency department*. *Patient Educ Couns*, 2006. 63(1-2): p. 138-44.

Farmer, SA and IJ Higginson. *Chest pain: physician perceptions and decision-making in a London emergency department*. *Ann Emerg Med*, 2006. 48(1): p. 77-85.

## ABSTRACTS

Maddox, T, F Tang, SS Virani, WB Oetgen, B Mullen, P Chan, P Casale, PS Douglas, FA Masoudi, SA Farmer, J Rumsfeld. *Implications of the 2013 ACC/AHA Cholesterol Guidelines for Adults in*

*Contemporary Cardiovascular Practice: Insights from the NCDR PINNACLE Registry.* American Heart Association Sessions, 11/14

Fleming, LM, P Jones, P Chan, A Andrei, TM Maddox, SA Farmer. *Relationship of Provider and Practice Volume to Performance Measure Adherence: Results from the NCDR.* American Heart Association QCOR Forum, 05/13.

Schmidt, PH, P Kansal, G Wozniak, K Christensen, L Klein, PS Pang, JH Barsuk, MV Williams, S Kitt, D Sama, SA Farmer, M Gheorghiade, RO Bonow. *Utility of Electronic Health Records in Predicting 30-day Readmission After Heart Failure Hospitalization* American Heart Association Scientific Sessions, 11/11

Arnold, SV, JA Spertus, F Tang, HM Krumholz, WB Borden, SA Farmer, HH Ting & PS Chan. *Statin Use in Outpatients with Obstructive Coronary Artery Disease: A Report from the NCDR® PINNACLE Registry®* American Heart Association QCOR Forum, 05/11.

Farmer, SA, D Small, JN Kirkpatrick, PA Heidenreich, Y Wang, and PW Groeneveld. *System Level Contributions to Disparities in Cardiac Resynchronization Therapy with Defibrillator in the ACC/NCDR ICD Registry.* American Heart Association QCOR Forum, 04/09.

Farmer, SA, JN Kirkpatrick, PA Heidenreich, JP Curtis, Y Wang, and PW Groeneveld. *Racial and Ethnic Differences in Nationwide Utilization of Cardiac Resynchronization Therapy.* Circulation, 2007. 116(16): II-823.

Farmer, SA, JN Kirkpatrick, PA Heidenreich, JP Curtis, Y Wang, and PW Groeneveld. *Racial and Ethnic Differences in Cardiac Resynchronization Therapy Outside of Published Guidelines.* Circulation, 2007. 116(16): II-859.

Groeneveld, PW, SA Farmer, JJ Suh, F Yang, and MA Matta. *Outcomes and Costs among Elderly Recipients of Implantable Cardioverter-Defibrillators for Primary Prevention of Sudden Cardiac Death.* American Heart Association QCOR Forum, 05/07.

**PRESENTATIONS**

10/07	Oral Presentation	AHA Scientific Sessions
	<i>“Racial and Ethnic Differences in Nationwide Utilization of Cardiac Resynchronization Therapy”</i>	
10/07	Oral Presentation	AHA Scientific Sessions
	<i>“Racial and Ethnic Differences in Cardiac Resynchronization Therapy Outside of Published Guidelines”</i>	
09/08	Cardiology Grand Rounds	Duke University School of Medicine
	<i>“Racial and Ethnic Disparities in CRT-D implantation.”</i>	
04/09	Oral Presentation	AHA QCOR Sessions
	<i>“System Level Contributions to Disparities in CRT-D in the ACC NCDR Registry”</i>	
10/10	Invited Lecture	Echo Northwestern
	<i>“Echocardiography and public policy: Where are we headed?”</i>	
04/11	Invited Lecture	CCOR
	<i>“Joint Effect of Malpractice Risk and Financial Incentives on Cardiac Testing”</i>	
10/11	Invited Lecture	Echo Northwestern
	<i>“Echocardiography and public policy: Where are we headed?”</i>	
10/11	Cardiology Grand Rounds	Northwestern University
	<i>“Health Policy and Cardiovascular Medicine”</i>	
02/12	Cardiology Grand Rounds	Washington Hospital Center
	<i>“Echocardiography and public policy: Where are we headed?”</i>	
03/12	Cardiology Grand Rounds	John Muir Heart Institute
	<i>“Navigating the new health care reimbursement environment: Challenges, pitfalls, and opportunities for Cardiovascular Physicians”</i>	
10/12	Invited Lecture	Echo Northwestern
	<i>“Testing Variations for Hospitalized Patients with Incident Heart Failure”</i>	
11/12	Cardiology Grand Rounds	Northwestern University
	<i>“Medical Malpractice Reform and Quality Improvement: What Can Work?”</i>	

11/12	Invited Lecture	AHA Scientific Sessions
	“ <i>Medical Malpractice Reform and Quality Improvement: What Can Work?</i> ”	
11/12	Invited Interview	ACCEL
	“ <i>Medical malpractice and quality.</i> ”	
02/13	Invited Lecture	UNC Flagler School of Business
	“ <i>Obamacare: Near Term Impact on the Life Sciences</i> ”	
02/13	Medical Grand Rounds	United Medical Center
	“ <i>Medical Malpractice Reform and Quality Improvement</i> ”	
06/13	Invited Lecture	UNC Flagler School of Business
	“ <i>Obamacare: Near Term Impact on the Life Sciences</i> ”	
09/13	Invited Lecture	Heart Failure Society of America
	“ <i>Readmission Penalties: Alternatives to Current Policy</i> ”	
09/13	Invited Lecture	Echo Northwestern
	“ <i>The Impact of Obamacare on Cardiovascular Imaging in the US</i> ”	
12/13	Moderator	Northwestern Heart Failure Symposium
	“ <i>The Big Objectives – Health Care Reform and Prevention</i> ”	
12/13	Cardiology Grand Rounds	George Washington University
	“ <i>Medical Malpractice: Risk, Cost, &amp; Quality Implications</i> ”	
02/14	Medical Grand Rounds	George Washington University
	“ <i>Medical Malpractice: Risk, Cost, &amp; Quality Implications</i> ”	
04/14	Risk Stratification for SCD	NHLBI Meeting
	“Economic considerations for screening for sudden cardiac death”	

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