

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 (04-1)
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 Vupputuri, 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 Opatowsky, M St. John Sutton, SE Wieggers. *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 Gheorghide, 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

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|-------|-------------------------|---|
| 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, & Quality Implications"</i>
02/14	Medical Grand Rounds	George Washington University
		<i>"Medical Malpractice: Risk, Cost, & Quality Implications"</i>
04/14	Risk Stratification for SCD	NHLBI Meeting
		<i>"Economic considerations for screening for sudden cardiac death"</i>
