

CURRICULUM VITAE

STEVEN M. BRADLEY, M.D., M.P.H.

CURRENT POSITION

- Associate Cardiologist, Minneapolis Heart Institute
- Associate Director, Center for Healthcare Delivery Innovation, Minneapolis Heart Institute

920 East 28th Street
Suite 300
Minneapolis, MN 55407

Office phone: (612) 863-3900
Fax: (612) 863-1681

EDUCATION and TRAINING

1994-1998	University of Wisconsin, Madison Bachelor of Science with Honors, Bacteriology
1999-2003	Medical College of Wisconsin, Milwaukee Doctor of Medicine
2003-2006	University of Washington, Seattle Internship and Residency, Internal Medicine
2006-2007	Harborview Medical Center, University of Washington, Seattle Chief Resident, Internal Medicine
2007-2009	VA Puget Sound, Seattle, Washington Fellowship, Health Services Research & Development
2007-2009	University of Washington, Seattle Masters of Public Health, Health Care and Population Health Research
2007-2011	University of Washington, Seattle Fellowship, Cardiovascular Disease

ACADEMIC APPOINTMENTS

2011-2016	Assistant Professor, Division of Cardiology, Department of Medicine, University of Colorado School of Medicine
2016	Associate Professor, Division of Cardiology, Department of Medicine, University of Colorado School of Medicine

HOSPITAL, GOVERNMENT, OR OTHER PROFESSIONAL POSITIONS

2011-2016 Staff Cardiologist, VA Eastern Colorado Health Care System
2016- Associate Cardiologist, Minneapolis Heart Institute, Allina Health

HONORS, SPECIAL RECOGNITIONS, AND AWARDS

1997 Phi Beta Kappa
1998 Honors Degree in Bacteriology
2002 Alpha Omega Alpha
2003 Merck Award
2003 William W. Engstrom Award
2004 Best Abstract, Associates Competition, American College of Physicians, Washington Chapter
2005 Resident as Teacher Award
2005 Outstanding Abstract, Associates Competition, American College of Physicians, Washington Chapter
2008 Best Abstract, American Heart Association Resuscitation Sciences Sessions
2008 Pharmaceutical Outcomes Research and Policy Program Endowed Prize in Health Economics and Policy
2009 Bruce-Laughlin Fellowship Award
2011 Best of American Heart Association Specialty Conferences Abstracts: Quality of Care and Outcomes Research Meeting
2012 Best of American Heart Association Specialty Conferences Abstracts: Quality of Care and Outcomes Research Meeting
2012 Winner 2012 American Heart Association Quality of Care and Outcomes Research Young Investigator Award
2013 Best of American Heart Association Specialty Conferences Abstracts: Quality of Care and Outcomes Research Meeting
2014 Best of American Heart Association Specialty Conferences Abstracts: Quality of Care and Outcomes Research Meeting
2015 Outstanding Early Career Scholar, University of Colorado Department of Medicine
2015 Best of American Heart Association Specialty Conferences Abstracts: Quality of Care and Outcomes Research Meeting
2017 American College of Cardiology Douglas P. Zipes Distinguished Young Scientist Award

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

1997- Phi Beta Kappa
2002- Alpha Omega Alpha
2002-2014 American Medical Association
2006- American Heart Association
2006- American College of Cardiology

CERTIFICATIONS

American Board of Internal Medicine, Internal Medicine, August 28, 2006
American Board of Internal Medicine, Cardiovascular Disease, November 2, 2011
Yellow Belt Certification, Lean Six Sigma, VA Eastern Colorado Health Care System, 2015
Green Belt Certification, Lean Six Sigma, VA Eastern Colorado Health Care System, 2016

MEDICAL LICENSURE

2003-2016 Washington State Medical License MD00045336
2016- Minnesota State Medical License 61394

NPI NUMBER 1962515874

MAJOR COMMITTEE AND SERVICE RESPONSIBILITIES

National

2008-2010 Worksheet Author, International Liaison Committee on Resuscitation
2010-2014 Faculty Member and Contributing Author of Faculty of 1000, Section on Methods for Diagnostic and Therapeutic Studies, www.f1000.com
2010- Member, American College of Cardiology - National Cardiovascular Data Registry CathPCI, Research & Publications Subcommittee
2011-2013 Member, American Heart Association Get With the Guidelines-Resuscitation Adult Task Force Research Committee
2013-2015 Co-chair, American Heart Association Get With the Guidelines-Resuscitation Adult Task Force Research Committee
2013-2016 Member, Resuscitation Education Initiative (REdI) Committee, Department of Veterans Affairs
2013- Member, American Heart Association Get With The Guidelines Quality Improvement Subcommittee
2014- Member, American Heart Association/American Stroke Association Get With The Guidelines Steering Committee
2014-2016 Clinical Lead, VA Clinical Assessment Reporting and Tracking (CART) Program Research and Publications Committee
2015-2016 Member, American College of Cardiology Rating Panel for Coronary Revascularization Appropriate Use Criteria
2015-2016 Member, American College of Cardiology Workgroup for the Diagnostic Cath Appropriate Use Criteria
2015-2016 Chair, American Heart Association Get With the Guidelines-Resuscitation Adult Task Force Research Committee
2015-2016 Co-chair, Veterans Health Administration Resuscitation Quality Improvement Steering Committee
2015-2016 Member, Evidence Review Committee (ERC) for the American College of Cardiology/American Heart Association 2015 Guideline Update on Dual Antiplatelet Therapy

- 2015- Consultant, Workgroup for the Development, Reevaluation, and Implementation of Hospital Outcome/Efficiency Measures, Centers for Medicare & Medicaid Services
- 2015 Member, Editor Search Committee for *Circulation: Cardiovascular Quality Outcomes* and *Circulation: Cardiovascular Genetics*
- 2015 Member, Veterans Choice Act Program Evaluation Expert Council
- 2015 Member, American College of Cardiology Patient-Reported Health Information Work Group
- 2015-2016 Member, Agency for Healthcare Research & Quality Registry of Patient Registry Outcome Measure Framework Technical Expert Panel
- 2015- Member, ACC-Symphony Health Solutions (SHS) Linked Dataset Expert Panel
2016 Associate Director, National VA Clinical Assessment Reporting and Tracking Program
- 2016- Immediate Past Chair, American Heart Association Get With the Guidelines-Resuscitation Adult Task Force Research Committee
- 2016- Member, American College of Cardiology NCDR Science and Quality Oversight Committee Data Quality Subcommittee
- 2016 Member, American College of Cardiology Rating Panel for Aortic Stenosis Appropriate Use Criteria

Local

- 2002-2003 President, Medical College of Wisconsin AOA Chapter
- 2002-2003 Program Director, Alpha Omega Alpha Prenatal Education Program
- 2004-2005 Housestaff Representative, University of Washington
- 2006-2007 President, University of Washington Housestaff Association
- 2006-2007 Resident Representative, Graduate Medical Education Committee, University of Washington
- 2006-2007 Member, Resident Review Committee, University of Washington
- 2012-2014 Intern Applicant Interviewer, Internal Medicine Program, University of Colorado School of Medicine
- 2013-2016 Research Focus Area Coordinator, Interventions Targeting Providers and the Healthcare System, VA Center for Innovation for Veteran-Centered and Value-Driven Care
- 2014-2016 Coach, Clinical Coaching Program, Internal Medicine Program, University of Colorado School of Medicine

REVIEW AND REFEREE WORK

Editorial Activities

- JournalScan Section Editor, *Heart*, 2013-2016
- Editorial Board Member, *Trends in Cardiovascular Medicine*, 2014-
- Associate Editor, *Heart*, 2015-

Grant Review Activities

- Reviewer, VA Health Services Research & Development Quality Enhancement Research

Initiative, Rapid Response Projects Grant Program, 2012-2015

- Reviewer, Health Research Board (Ireland), Research Training Fellowship for Healthcare Professionals, 2013
- Reviewer, National Medical Research Council, Ministry of Health, Singapore, 2014
- Reviewer, VA Health Services Research & Development, Scientific Merit Review Board, 2015

Guideline Review Activities

- VA Nominated Official Reviewer, NHLBI Cardiovascular Risk Assessment Statement, 2012
- AHA and ACCF Nominated Official Reviewer, 2013 ACCF/AHA/AATS/PCNA/SCAI/STS Focused Update of the Guideline for the Diagnosis and Management of Patients with Stable Ischemic Heart Disease, 2013

Journal Reviewer Activities

Ad hoc Reviewer:

- *Circulation: Cardiovascular Quality and Outcomes* 2008-
- *Circulation* 2008-
- *American Heart Journal* 2009-
- *American Journal of Cardiology* 2009-
- *Annals of Internal Medicine* 2010-
- *Critical Care* 2011
- *Journal of the American Heart Association* 2012-
- *JAMA: Internal Medicine* 2013-
- *JAMA* 2014-
- *JAMA: Cardiology* 2016-

Scientific Meeting Activities

- Poster Sessions Moderator, American Heart Association Resuscitation Science Symposium, 2010
- Abstract Reviewer, VA Health Services Research & Development Meeting, 2012, 2015
- Abstract Reviewer, American Heart Association: Quality of Care and Outcomes Scientific Sessions, 2012-
- Poster Sessions Moderator, American Heart Association: Quality of Care and Outcomes Scientific Sessions, 2014-

Data and Safety Monitoring Board Activities

- Collaborative Care to Alleviate Symptoms and Adjust to Illness (CASA), 2012 –

INVITED LECTURES AND PRESENTATIONS

International

2010 International Consensus on CPR and ECC Science with Treatment Recommendations Conference, Plenary Session, Dallas, Texas. “Fixed vs Escalating Defibrillation Strategies in Cardiac Arrest.” February 3, 2010.

International Consortium on Health Outcomes Measurement (ICHOM) Conference 2016, London, England. “Coronary Artery Disease Standard Measures Capture: The VA Experience.” May 16, 2016.

Cardiac Care Symposium, IBM Research Think Lab, Yorktown Heights, NY. “Finding Patterns in the Chaos: The Promise (and Peril) of Big Data”. September 29, 2016.

National

American Heart Association Scientific Sessions 2012, Cardiovascular Seminar - Challenges and Opportunities with Appropriate Use Criteria: Strategies to Improve Care, Los Angeles, CA. “Appropriate Use Criteria as a Strategy to Improve Public Health.” November 5, 2012.

American Heart Association Scientific Sessions 2012, Cardiovascular Seminar – Predicting and Modifying Risk of Cardiac Arrest and Sudden Death, Los Angeles, CA. “Clinical Approaches to Modifying Risk of In-Hospital Cardiac Arrest.” November 6, 2012.

VA Resuscitation Education Initiative (REdI) Community of Practice (COP) Webinar. “In a Heartbeat: Improving Survival of In-Hospital Cardiac Arrest.” September 11, 2013.

American Heart Association Scientific Sessions 2015, Team Science, Big Data Research and Finding a Job: A Primer for Early Career Epidemiology and Outcomes Investigators, Chicago, IL. Session Moderator. November 15, 2014.

American Heart Association Get With the Guidelines Cardiovascular Workshop, Las Vegas, NV. “Therapeutic Hypothermia for Cardiac Arrest.” March 7, 2015.

American Heart Association Get With the Guidelines Cardiovascular Workshop, Las Vegas, NV. “Closing the Resuscitation Code Team Gap.” March 7, 2015.

VA National Leadership Council – Healthcare Value and Results Subcommittee Webinar. “Better Patient Health at Lower Cost: Achieving High-Value Healthcare.” May 12, 2015

Regional

Clinical Outcomes Assessment Program 15th Annual Statewide Meeting, Interventional Cardiology Breakout Session, Seattle, WA. “Appropriate Use of PCI & Preliminary Findings in Washington State.” June 1, 2011.

Clinical Outcomes Assessment Program 16th Annual Statewide Meeting, Interventional Cardiology Breakout Session, Seattle, WA. “Appropriate Use: 2011 Results.” May 14, 2012.

Clinical Outcomes Assessment Program 17th Annual Statewide Meeting, Interventional Cardiology Breakout Session, Seattle, WA. “Appropriateness of PCI in Washington State: Update.” June 7, 2013.

Improving Value, Reducing Harm: Colorado Right Care Alliance Conference, Aurora, CO. “A High Value Approach to the Use of Cardiac Procedures in the Management of Coronary Disease.” October 11, 2014.

American Heart Association Heart Ball Celebration, Denver, CO. “How the American Heart Association is Supporting Better Patient Health at Lower Cost.” May 13, 2015

Clinical Outcomes Assessment Program 19th Annual Statewide Meeting, Seattle, WA. “Trends in Appropriateness of PCI in Washington State.” June 11, 2015.

Local

Medicine Grand Rounds, University of Washington Medical Center. “The Saga of the Drug Eluting Stent: Better Lucky than Good.” June 7, 2007.

Harborview Medical Center Emergency Department Quality Assurance Meeting, Harborview Medical Center. “Effect of Duration of EMS CPR Prior to Defibrillation on Survival of Out-of-Hospital VT/VF: Observational Analysis from the Resuscitation Outcomes Consortium.” June 10, 2008.

Grand Rounds, University of Washington Division of Cardiology, University of Washington Medical Center. “Doing the Right Thing: Appropriate Use Criteria.” March 6, 2009.

Cardiovascular Research Consortium, University of Washington Medical Center. “Underuse and Overuse of Therapies for Coronary Artery Disease.” May 20, 2009.

Resident Career Day, University of Washington Medical Center. “Academic Fellowship.” November 9, 2009.

Clinical Outcomes Assessment Program Management Committee Meeting, The Foundation for Health Care Quality, Seattle, Washington. “Appropriate Use Criteria for PCI.” December 16, 2009.

Hepatology and Liver Transplantation Conference, University of Washington Medical Center. “Screening Stress Myocardial Perfusion Imaging and Eligibility for Liver Transplantation.” February 19, 2010.

Grand Rounds, University of Washington Division of Cardiology, University of Washington Medical Center. “In a Heartbeat: Improving Survival of In-Hospital Cardiac Arrest.” June 25, 2010.

Clinical Outcomes Assessment Program Management Committee Meeting, The Foundation for Health Care Quality, Seattle, Washington. “Appropriateness of Percutaneous Coronary Interventions in Washington State.” April 20, 2011.

VA Eastern Colorado Health Care System Director’s Meeting, Denver, CO. “Better Outcomes at Lower Cost: Achieving High Value Healthcare.” February 4, 2014.

University of Colorado Anschutz Medical Campus Department of Medicine Faculty Conference – Research and Innovation, Aurora, CO. “Better Outcomes at Lower Cost: Achieving High-Value Healthcare.” April 17, 2014.

VA Eastern Colorado Health Care System Director’s Meeting, Denver, CO. “Better Patient Health at Lower Cost: Achieving High-Value Healthcare.” June 2, 2015.

TEACHING RECORD

Medical Student Presentations and Teaching Activities

Medicine 665 Preceptor, Internal Medicine Ward Clerkship, University of Washington. 2006-2007.

Human Biology 540 Instructor, Cardiovascular Physiology, University of Washington Medical School. Autumn 2008.

Supervision and beside teaching of medical students, VA Inpatient Cardiology Consult Service, 4 weeks/year. 2011-

Foundations of Doctoring Course. “The Abnormal Cardiac Exam.” University of Colorado School of Medicine. May 1, 2012.

Foundations of Doctoring Course. “The Abnormal Cardiac Exam.” University of Colorado School of Medicine. May 2, 2013.

Integrated Clinicians Course 8005. “Bedside Electrocardiography – A Review.” University of Colorado School of Medicine. May 13, 2013.

Foundations of Doctoring Course. “The Abnormal Cardiac Exam.” University of Colorado School of Medicine. April 15, 2014.

Cardiovascular Pathophysiology Sub-Block, First Year Medical Students. “Depression and Cardiovascular Disease.” University of Colorado School of Medicine. June 6, 2015.

Graduate Student Presentations and Teaching Activities

Clinical Epidemiology (EPID 6629), “Patient Reported Health Status Measures.” Colorado School of Public Health. July 29, 2013.

Guided Research Tutorial Course Instructor for Amneet Sandhu (CLSC 6650). Clinical Science Program, University of Colorado School of Medicine. Summer, 2015.

House Officer Presentations and Teaching Activities

Chief of Medicine Rounds, Harborview Medical Center. “The Discharge Transition: Opportunities to Improve Continuity of Patient Care.” May 22, 2007.

Cardiology Conference, Harborview Medical Center. “Horses and Zebras: Acute Heart Failure.” July 24, 2009.

Cardiology Conference, Harborview Medical Center. “A Tour of the Mitral Valve.” December 18, 2009.

Cardiology Conference, Harborview Medical Center. “In-hospital AMI: The Troponin Conundrum.” January 22, 2010.

Internal Medicine Lunch Conference, University of Washington Medical Center. “In a Heartbeat: Improving Survival of In-Hospital Cardiac Arrest.” August 23, 2010.

Intern Journal Club Classics, “British Heart Protection Study and PROVE-IT TIMI 22.” University of Colorado School of Medicine. October 10, 2012.

Resident Educational Session. “Stable Ischemic Heart Disease.” University of Colorado School of Medicine. July 3, 2013.

Resident Educational Session. “Acute Coronary Syndromes.” University of Colorado School of Medicine. July 3, 2013.

Resident Educational Session. “Congestive Heart Failure.” University of Colorado School of Medicine. July 3, 2013.

Resident Educational Session. “Stable Ischemic Heart Disease.” University of Colorado School of Medicine. August 7, 2013.

Resident Educational Session. “Acute Coronary Syndromes.” University of Colorado School of Medicine. August 7, 2013.

Resident Educational Session. “Congestive Heart Failure.” University of Colorado School of Medicine. August 7, 2013.

Resident Educational Session. “Stable Ischemic Heart Disease.” University of Colorado School of Medicine. July 15, 2015.

Resident Educational Session. “Acute Coronary Syndromes.” University of Colorado School of Medicine. July 15, 2015.

Resident Educational Session. “Congestive Heart Failure.” University of Colorado School of Medicine. July 15, 2015.

Supervision and beside teaching of internal medicine residents and cardiology fellows, VA Inpatient Cardiology Consult Service, 4 weeks/year. 2011-

Training of cardiology fellows in non-invasive cardiology (i.e. transthoracic echocardiography, transesophageal echocardiography, exercise stress treadmill, nuclear imaging), 6 hours/week. 2011-

Cardiology Fellows Journal Club, University of Colorado School of Medicine, host and discussant 2012-present.

Other Presentations and Teaching Activities

Alpha Omega Alpha Prenatal Education Program, Instructor, 2003.

University of Washington Paramedic Training, Physician Evaluator, 2005-2006.

Cardiology Nurse Practitioner Educational Session. "Aortic Valve Disease." Denver VA. July 21, 2013.

Cardiology Nurse Practitioner Educational Session. "Mitral Valve Disease." Denver VA. July 28, 2013.

Cardiology Nurse Practitioner Educational Session. "Stable Ischemic Heart Disease." Denver VA. August 8, 2013.

Mentorship:

Evan Carey, MS; Biostatistics Masters Committee, University of Colorado School of Public Health. Variation in diagnostic coronary angiography findings associated with patient rural/urban status and distance to catheterization. 2012-2014.

Geoffrey Barnes, MD; Cardiology Fellow, University of Michigan. Contraindicated medication use among patients undergoing PCI. 2012-2015. *American College of Cardiology Young Investigator Finalist 2015 Sessions.*

Rebecca Vigen, MD, MPA; Health Services Research and Cardiology Fellow, VA Eastern Colorado Health Care System and University of Colorado School of Medicine. Hospital-Level Variation in Longitudinal Health Outcomes after Myocardial Infarction. 2013-2015.

Preston Schneider, MD; Health Services Research and Cardiology Fellow, VA Eastern Colorado Health Care System and University of Colorado – Denver. Patterns of Defibrillation and First Shock Effectiveness for In-Hospital Cardiac Arrest. 2013-2016.

Anne Lambert-Kerzner, PhD; Health Services Researcher, VA Eastern Colorado Health Care System. Message Framing to Enhance Medication Adherence. 2013-2016.

Laura Feemster, MD, MS; Health Services Research and Pulmonologist, VA Puget Sound Health Care System and University of Washington. Cardiovascular Risk and Management in Patients with Chronic Obstructive Pulmonary Disease. 2013-2014.

J. Hank Schilling, MS; Medical Student Mentored Scholarly Activity, University of Colorado School of Medicine. Invasive Coronary Procedure Use and Outcomes among Patients with Post-Traumatic Stress Disorder. 2013-2014. *Awarded an Achievement Reward for College Scientists (ARCS) Foundation Scholarship for his work.*

Timothy Hegeman, DO; Medicine Resident, University of Colorado School of Medicine. Outcomes Following PCI among Veterans referred from Non-PCI Facilities. 2013-2016.

Amneet Sandhu, MD; Cardiology Fellow, University of Colorado School of Medicine. Utilization of Mechanical Circulatory Support in Patients Undergoing Percutaneous Coronary Intervention. 2014-present.

Alyssa Self, MS; Medical Student, University of Colorado School of Medicine. Defibrillation Time Intervals and Outcomes of In-Hospital Cardiac Arrest. 2014-2015.

Thejasvi Thiruvoipati, MD; Cardiology Fellow, University of Colorado School of Medicine. Patient Reported Health Status Capture for Peripheral Arterial Disease. 2014-2015.

Lucas Marzec, MD; Cardiology Fellow, University of Colorado School of Medicine. Hospital Variation in the Utilization of Cardiac Resynchronization Therapy among Eligible Patients Receiving an Implantable Cardioverter-Defibrillator. 2014-present

Lauren Thompson, MD; Health Services Research and Cardiology Fellow, VA Eastern Colorado Health Care System and University of Colorado School of Medicine. Trends in Long-term Survival of In-hospital Cardiac Arrest. 2014-present

Javier Valle, MD; Health Services Research and Cardiology Fellow, VA Eastern Colorado Health Care System and University of Colorado School of Medicine. Facility and Provider-Level Variation in Use of Bleeding Avoidance Strategies for PCI. 2014-present

Andy Levy, MD; Cardiology Fellow, VA Eastern Colorado Health Care System and University of Colorado School of Medicine. Quality of Stress Testing Documentation. 2014-present

GRANT SUPPORT

Active

REcovery after in hoSpital Cardiac arrest late outcomes and Utilization (RESCU)
VA HSR&D Investigator Initiated Project (HSR&D IIR 13-079-2; 1 I01 HX001276-01)
4/1/2014-3/31/2017, 2.5% effort, \$913,979
Role: Co-investigator

Triple Aim QUERI Program

VA QuERI Program Project (HX 15-019)

10/1/2015-9/30/2020, 5 year program, 25% effort, \$5,137,222

Role: Project principal investigator (Implementation of Extensible Methods to Capture, Report, and Improve Patient Health Status); program principal investigator (4/1/16-10/27/16); co-investigator 10/29/16 on transition from VA

Cost-Effectiveness of Dabigatran and Warfarin for Veterans with Afib

VA HSR&D Investigator Initiated Project (HSR&D IIR 15-139-2)

Awarded with start date pending, 3 year project, 5% effort, \$818,417

Role: Co-investigator

Appropriate Use of Cardiovascular Procedures to Optimize Healthcare Value

VA HSR&D Investigator Initiated Project (HSR&D IIR 14-338-3; 1 I01 HX001778-01A2)

4/1/2016-3/30/2020, 4 year project, 25% effort, \$981,888

Role: Principal investigator; co-investigator starting 10/29/16 on transition from VA

Completed

Extending Emergency Response Skills to Limited English Proficiency Communities

Centers for Disease Control (CDC 1 R18 TP000316-01)

9/1/2009 - 8/31/2012, 10% effort, \$984,651

Role: Co-investigator

Appropriateness of Percutaneous Coronary Intervention

VA Health Services Research and Development (HSR&D) Quality Enhancement Research Initiative (QUERI) (HSR&D-QUERI RRP 09-140)

1/1/2010-12/31/2010, 10% effort, \$96,900

Role: Co-investigator

Predictors and Outcomes of Acute In-hospital Myocardial Infarction

VA Clinical Science Research and Development (CSR&D-EPID-006-07F)

7/1/2010-6/30/2014, 5% effort, \$449,100

Role: Co-investigator

Pilot to Implement Radial PCI in VA Catheterization Laboratories

VA HSR&D-QUERI Rapid Response Project (HSR&D-QUERI RRP 11-438)

4/1/2012-3/31/2013, 5% effort, \$100,000.

Role: Co-investigator

Natural Language Processing to Ascertain Stress Test Data

VA HSR&D-QUERI Rapid Response Project (HSR&D-QUERI RRP 12-448)

7/1/2013-6/30/2014, 10% effort, \$100,000

Role: Principal investigator

Policy and Healthcare System Strategies to Improve Patient Selection for Percutaneous Coronary Intervention

American Heart Association (NCRP Winter 2013 Clinical Research Program 13CRP16920075)

7/1/2013-6/30/2015, 10% effort, \$134,000

Role: Principal investigator

A Mixed-methods, Multi-site Evaluation of the Implementation of the Veterans Choice Act VA QuERI VCA Evaluation (HX15-016)

4/1/15-9/30/15, 2.5% effort, \$417,909

Role: Co-investigator

Appropriateness of Percutaneous Coronary Intervention

VA HSR&D Career Development Award (HSR&D-CDA2 10-199; 1IK2HX000779-01)

7/1/2012-6/30/2017 (completed 10/29/16 on transition from VA), 75% effort (overlapping), \$1,476,320

Role: Principal investigator

Better Patient Outcomes at Lower Cost: Achieving High-Value Healthcare

University of Colorado Department of Medicine Early Career Scholars Program

7/1/2015-6/30/2020 (completed 10/29/16 on transition from VA), 20% effort, \$375,000

Role: Principal investigator

BIBLIOGRAPHY

Original research

1. Dhurandhar NV, Whigham LD, Abbott DH, Schultz-Darken NJ, Israel BA, **Bradley SM**, Kemnitz JW, Allison DB, Atkinson RL. Human adenovirus Ad-36 promotes weight gain in male rhesus and marmoset monkeys. *J Nutr.* 2002;132:3155-60. PMID: 12368411
2. **Bradley SM**, Levy WC, Veenstra DL. Cost-effectiveness of ultrafiltration for acute heart failure: A decision model analysis. *Circ Cardiovasc Qual Outcomes.* 2009;2:566-573. PMID: 20031894
3. **Bradley SM**, Gabriel EE, Aufderheide TP, Barnes R, Christenson J, Davis DP, Stiell IG, Nichol G. Survival increases with CPR before defibrillation of out-of-hospital ventricular fibrillation or ventricular tachycardia: Observations from the Resuscitation Outcomes Consortium. *Resuscitation.* 2010;81:155-62. PMID: 19969407
4. Meischke H, Chavez D, **Bradley S**, Rea TD, Eisenberg M. Emergency communications with limited English proficiency populations. *Prehosp Emerg Care.* 2010;14:265-71. PMID: 20095823
5. **Bradley SM**, Soine LA, Caldwell, JH, Goldberg SL. Screening stress myocardial perfusion

imaging and eligibility for liver transplantation. *Am J Cardiol.* 2010;105:1010-3. PMID: 20346322

6. Yip MP, Ong B, Tu SP, Chavez D, Ike B, Painter I, Lam I, **Bradley SM**, Coronado GD, Meischke H. Diffusion of cardiopulmonary resuscitation training to Chinese immigrants with limited English proficiency. *Emergency Medicine International.* 2011;2011:685249. PMID: 22046544
7. **Bradley SM**, Fahrenbruch CE, Meischke H, Allen J, Bloomingdale M, Rea TD. Bystander CPR in out-of-hospital cardiac arrest: The role of limited English proficiency. *Resuscitation.* 2011;82:680-4. PMID: 21388734
8. **Bradley SM**, Bryson CL, Maynard C, Maddox TM, Fihn SD. Recent hospitalization for non-coronary events and use of preventive medications for coronary artery disease: an observational cohort study. *BMC Cardiovasc Disord.* 2011;11:42. PMID: 21740591
9. Merchant RM, Yang L, Becker LB, Berg RA, Nadkarni V, Nichol G, Carr BG, Mitra N, **Bradley SM**, Abella BS, Groeneveld PW; the American Heart Association Get With The Guidelines-Resuscitation (GWTG-R) Investigators. Incidence of treated cardiac arrest in hospitalized patients in the United States. *Crit Care Med.* 2011;39:2401-2406. PMID: 21705896
10. Merchant RM, Yang L, Becker LB, Berg RA, Nadkarni V, Nichol G, Carr BG, **Bradley SM**, Abella SA, Groeneveld PW. Variability in case-mix adjusted in-hospital cardiac arrest rates. *Medical Care.* 2012;50:124-30. PMID: 22249921
11. Guzauskas GF, Hughes DA, **Bradley SM**, Veenstra DL. A risk-benefit assessment of prasugrel versus clopidogrel and genotype-guided therapy in patients with acute coronary syndrome undergoing percutaneous coronary intervention. *Clin Pharmacol and Ther.* 2012;91:829-37. PMID: 22453194
12. **Bradley SM**, Chan PS, Spertus JA, Kennedy KF, Douglas PS, Patel MR, Anderson HV, Ting HH, Rumsfeld JS, Nallamothu BK. Hospital PCI appropriateness and in-hospital procedural outcomes: Insights from the NCDR[®]. *Circ Cardiovasc Qual Outcomes.* 2012;5:290-7. *Special recognition: Editor's Choice.* PMID: 22576845
13. **Bradley SM**, Maynard C, Bryson CL. Appropriateness of percutaneous coronary interventions performed in Washington State. *Circ Cardiovasc Qual Outcomes.* 2012;5:445-53. PMID: 22570356
14. **Bradley SM**, Warren SA, Huszti E, Merchant RM, Sayre MR, Nichol G. Duration of hospital participation in Get With the Guidelines-Resuscitation and survival of in-hospital cardiac arrest. *Resuscitation.* 2012;83:1349-57. PMID: 22429975
15. Maynard C, **Bradley SM**, Bryson CL. The practice of transradial percutaneous coronary

intervention in the Washington State Clinical Outcomes Assessment Program. *Am Heart J.* 2013;165:332-7. PMID: 23453101

16. Vigen R, O'Donnell CI, Barón A, Grunwald GK, Maddox TM, **Bradley SM**, Barqawi A, Woning G, Wierman ME, Plomondon ME, Rumsfeld JS, Ho PM. Association of testosterone therapy with mortality, myocardial infarction, and stroke in men with low testosterone levels. *JAMA.* 2013;310:1829-36. PMID: 24193080

17. **Bradley SM**, Maddox TM, Stanislawski MA, O'Donnell CI, Grunwald GK, Tsai TT, Ho PM, Peterson ED, Rumsfeld JS. Normal coronary rates for elective angiography in the VA Health Care System: Insights from the VA CART Program. *J Am Coll Cardiol.* 2014;63:417-26. PMID: 24184244

18. Warren SA, Huszti E, **Bradley SM**, Chan PS, Bryson CL, Fitzpatrick AL, Nichol G. Adrenaline (epinephrine) dosing period and survival after in-hospital cardiac arrest: A retrospective review of prospectively collected data. *Resuscitation.* 2014;85:350-8. PMID: 24252225

19. Maddox TM, Chan PS, Spertus JA, Ting F, Jones P, Ho PM, **Bradley SM**, Tsai TT, Bhatt D, Peterson PM. Variation in CAD secondary prevention prescription among outpatient cardiology practices: Insights from the NCDR®. *J Am Coll Cardiol.* 2014;63:539-46. PMID: 24184238

20. Shore S, Carey EP, Turakhia MP, Jackevicius CA, Cunningham F, Pilote L, **Bradley SM**, Maddox TM, Grunwald GK, Barón AE, Rumsfeld JS, Varosy PD, Schneider PM, Marzec LN, Ho PM. Adherence to dabigatran therapy and longitudinal patient outcomes: Insights from the Veterans Health Administration. *Am Heart J.* 2014;167(6):810-7. PMID: 24890529

21. **Bradley SM**, Rao SV, Curtis JP, Parzynski CS, Messenger JC, Daugherty SL, Rumsfeld JS, Gurm HS. Change in hospital-level use of transradial percutaneous coronary intervention and periprocedural outcomes: Insights from the NCDR®. *Circ Cardiovasc Qual Outcomes.* 2014. 2014;7:550-9. PMID: 24899678

22. **Bradley SM**, Spertus JA, Kennedy KF, Nallamothu BK, Chan PS, Patel MR, Bryson CL, Malenka DJ, Rumsfeld JS. Patient selection for diagnostic coronary angiography and hospital-level PCI appropriateness: Insights from the NCDR®. *JAMA Intern Med.* 2014;174:1630-9. PMID: 25156821

23. Meischke H, Ike B, Painter I, Chavez D, Yip MP, **Bradley SM**, Tu SP. Delivering 9-1-1 CPR instructions to limited English proficient callers: A Simulation Experiment. *J Immigr Minor Health.* 2014 Apr 11. PMID: 24722975

24. Painter I, Chavez DE, Ike BR, Yip MP, Tu SP, **Bradley SM**, Rea TD, Meischke H. Changes to DA-CPR instructions: Can we reduce time to first compression and improve quality of bystander CPR? *Resuscitation.* 2014;85:1169-73. PMID: 24864063

25. **Bradley SM**, Stanislawski MA, Bekelman DB, Monteith LL, Cohen BE, Schilling JH, Hunt SC, Milek D, Maddox TM, Ho PM, Shore S, Varosy PD, Matthieu MM, Rumsfeld JS. Invasive coronary procedure use and outcomes among Veterans with post-traumatic stress disorder: Insights from the Veterans Affairs Clinical Assessment, Reporting, and Tracking Program. *Am Heart J*. 2014;168:381-390.e6. PMID: 25173551
26. Maddox TM, Stanislawski MA, O'Donnell C, Plomondon ME, **Bradley SM**, Ho PM, Tsai TT, Shroff AR, Speiser B, Jesse RJ, Rumsfeld JS. Patient access and 1-Year outcomes of percutaneous coronary intervention facilities with and without on-site cardiothoracic surgery: Insights from the VA CART Program. *Circulation*. 2014;130:1383-91. PMID: 25189215
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Book chapters, invited articles, letters, and review articles

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Abstracts

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2. **Bradley SM.** Sinister shoulder pain – Pancoast tumor missed by shoulder imaging. ACP Associates Abstract Competition. Oral presentation, November 2005.
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4. **Bradley SM,** Veenstra DL. Cost-effectiveness of ultrafiltration for acute decompensated heart failure: Decision model analysis. American Heart Association Quality of Care and Outcomes Research Meeting. Poster presentation, April 2008.
5. **Bradley SM,** Gabriel EE, Aufderheide TP, Barnes R, Christenson J, Davis DP, Stiell IG, Nichol G. Survival increases with CPR before defibrillation of out-of-hospital ventricular fibrillation or ventricular tachycardia: Observations from the Resuscitation Outcomes Consortium. American Heart Association Resuscitation Sciences Symposium. Oral presentation, November 11, 2008.
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23. **Bradley SM**, Maddox TM, Stanislawski MA, O'Donnell CI, Grunwald GK, Tsai TT, Ho PM, Peterson ED, Rumsfeld JS. Normal Coronary Rates for Elective Angiography in the VA Health Care System: Insights from the VA CART Program. VA Clinical Research Day. Oral presentation, May 2013.
24. **Bradley SM**, Spertus JA, Nallamothu BK, Chan PS, Kennedy KF, Patel MR, Bryson CL, Malenka DJ, Rumsfeld JS. The Association Between Patient Selection for Diagnostic Coronary Angiography and Hospital-Level PCI Appropriateness: Insights from the NCDR. Best of American Heart Association Specialty Conferences Abstracts: Quality of Care and Outcomes Research Meeting. Poster presentation, November 2013.
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 33. **Bradley SM**, O'Donnell CI, Grunwald GK, Maddox TM, Fihn SD, Jesse RL, Rumsfeld JS, Ho PM. Facility-level Variation in 30-day PCI Mortality, Readmission, and Costs in the VA Health Care System: Insights About Short-term Healthcare Value From The VA CART Program. American Heart Association Quality of Care and Outcomes Research Meeting. Oral presentation, May 2014.
 34. Schneider PM, Liu W, Grunwald GK, Chan PS, Nallamothu BK, Sasson C, Varosy PD, Turakhia MP, Ho PM, **Bradley SM**. Patterns of Waveform and Energy Use in Defibrillation for Cardiac Arrest: Insights from the Get With The Guidelines-Resuscitation Registry. American Heart Association Quality of Care and Outcomes Research Meeting. Poster presentation, May 2014.
 35. Fehling KB, Lambert-Kerzner A, Davis R, Weaver J, Barnett C, Mun H, Khanal P, **Bradley SM**, Ho PM. Pharmacists' Perspectives of an Intervention to Improve Medication Adherence after ACS Hospitalization A Qualitative Analysis. American Heart Association Quality of Care and Outcomes Research Meeting. Poster presentation, May 2014.
 36. McCreight MS, O'Donnell CI, Plomondon ME, **Bradley SM**, Bosworth HB, Halligan RE, Tumbiolo DE, Lu DY, Jneid H, Rumsfeld JS, Ho PM. Temporal Variation in Clopidogrel

Filling Delays after Percutaneous Coronary Intervention Hospital Discharge: Insights from the VA CART. American Heart Association Quality of Care and Outcomes Research Meeting. Poster presentation, May 2014.

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38. Hegeman TW, Glorioso TJ, Baron AE, Schneider PM, Burke RE, Ho PM, Rumsfeld JS, Maddox TM, Heidenreich PA, Mavromatis K, Bavry AA, **Bradley SM**. 30-day Readmission Following PCI Predicts Worse Long-term Patient Outcomes: Insights from the VA CART Program. American Heart Association Quality of Care and Outcomes Research Meeting. Poster presentation, May 2014.
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40. Ogunkua O, Minhajuddin A, Pai J, Joshi G, Whitten C, Melik EB, Hill G, Nasir D, Hamza M, **Bradley SM**, Schneider P, Ogunnaike B. Body Mass Index and Initial Defibrillation for In-Hospital Cardiac Arrest. American Heart Association Resuscitation Science Sessions. Poster presentation, November 2014.
41. **Bradley SM**, Liu W, Grunwald GK, Chan PS, Nallamothu BK, Sasson C, Varosy PD, Anderson ML, Schneider PM, HoPM. Comparative Effectiveness of Stacked versus Single Shock Therapy for In-Hospital Cardiac Arrest: Insights from the Get With the Guidelines-Resuscitation Registry. American Heart Association Scientific Sessions. Poster presentation, November 2014.
42. Bennett DN, Hayward RA, **Bradley SM**, Nallamothu BK, Moser SE, Chan PS, Goldberger ZD. Reexamination of a Clinical Decision Rule to Discontinue Resuscitation During In-Hospital Cardiac Arrest. American Heart Association Resuscitation Science Sessions. Poster presentation, November 2014.
43. Schneider PM, Liu W, Grunwald GK, Chan PS, Nallamothu BK, Sasson C, Varosy PD, Turakhia MP, Ogunnaike B, **Bradley SM**. Comparative Effectiveness of Biphasic Waveform Defibrillation Energies for In-Hospital Cardiac Arrest: Insights from the Get With The Guidelines--Resuscitation Registry. American Heart Association Resuscitation Science Sessions. Poster presentation, November 2014.

44. Anderson ML, Nichol G, Chan PS, Al-Khatib SM, Dai DD, Berg RA, **Bradley SM**, Peterson ED. Association between Hospital Performance and Patient Outcomes after In-Hospital Cardiac Arrest Care. American Heart Association Resuscitation Science Sessions. Oral presentation, November 2014.
45. Negi SI, Sandhu A, McCoy LA, Hameed I, Atri P, Al'Aref SJ, Curtis J, McNulty E, Anderson HV, Shroff A, Menegus M, Swaminathan RV, Gurm H, Messenger J, Wang T, **Bradley SM**. Utilization of Mechanical Circulatory Support in Patients Undergoing Percutaneous Coronary Intervention: Insights from the NCDR. American College of Cardiology Scientific Sessions. Poster presentation, March 2015.
46. Mathew J, Glorioso TJ, **Bradley SM**, Turakhia M, Jackevicius C, Ho PM, Varosy P. Significant Variation in Atrial Fibrillation Treatment Strategies: Insights from the Veteran's Health Administration. American College of Cardiology Scientific Sessions. Poster presentation, March 2015.
47. Barnes GD, Stanislawski M, Baron AE, Armstrong E, Ho PM, Klein A, Maddox T, Nallamothu B, Rumsfeld J, Tsai T, **Bradley SM**. Use of Contraindicated Antithrombotic Medications in the Cardiac Catheterization Laboratory: Insights from the Veterans Affairs Clinical Assessment, Reporting, and Tracking Program. American College of Cardiology Scientific Sessions. Oral presentation, March 2015.
48. Thompson L, Carey EP, Helfrich CC, Rumsfeld J, **Bradley SM**, Maddox TM, Armstrong E, Bosworth HB, Ho PM. Hospital-level Variation in Adherence to Cardiovascular Medications in the Year Following Acute Myocardial Infarction: Insights from the Veterans' Affairs Healthcare System. American College of Cardiology Scientific Sessions. Poster presentation, March 2015.
49. Valle J, Glorioso TJ, Carey E, Plomondon M, Anna B, Rumsfeld J, Armstrong E, **Bradley SM**, Ho PM. The Impact of Patient Distance from PCI Site on 30-Day Readmissions and Mortality: Insights from the VA CART Program. American College of Cardiology Scientific Sessions. Poster presentation, March 2015.

QUALITY IMPROVEMENT ACTIVITIES

Cardiovascular Assessment Reporting and Tracking System – Cardiopulmonary Resuscitation (CART-CPR). Transactional modules for collection of in-hospital cardiac arrest data as part of routine care to allow quality improvement related to processes of care for in-hospital resuscitation. 2009-present

Patient Reported Health Status Capture (PROST). Multimodality system to capture health status measure (symptom burden, functional status, and health related quality of life) to support quality improvement and high-value care delivery. 2013-present

COMMUNITY ACTIVITIES

Greater University Tutoring Service, tutor and program coordinator, 1996-1998.
Isaac Coggs Saturday Clinic for the Uninsured, volunteer and student director, 1999-2003.
Alpha Omega Alpha Prenatal Education Program, instructor and program director, 2003.
Denver Rescue Mission, volunteer, 2011.
Food Bank of the Rockies, volunteer, 2013-2015.
Denver Language School, volunteer basketball coach of 5-6 year old team, 2014.
Denver Language School, volunteer basketball coach of 7-8 year old team, 2015.