

**The Faculty of Medicine of Harvard University
Curriculum Vitae**

Date Prepared: December 7th, 2023
Name: Rishi Wadhera, M.D., M.P.P., M.Phil.
Office Address: Richard A. and Susan F. Smith Center for Outcomes Research
Beth Israel Deaconess Medical Center
375 Longwood Avenue, 4th floor
Boston, MA 02215
Home Address: 56 St. Botolph St #403, Boston MA 02116
Work Email: rwadhera@bidmc.harvard.edu
Place of Birth: London, United Kingdom

Education:

9/2002-5/2006	B.S.	Biology (<i>Honors in Research</i>)	University of Wisconsin – Madison
6/2006-5/2011	M.D.	Medicine	Mayo Clinic School of Medicine
9/2008-9/2009	M.Phil.	Public Health	University of Cambridge (U.K.)
9/2014-5/2015 9/2017-5/2018	M.P.P.	Public Policy	Harvard John F. Kennedy School of Government

Postdoctoral Training:

6/2011-5/2012	Intern	Internal Medicine	Brigham and Women's Hospital
6/2012-5/2014	Resident	Internal Medicine	Brigham and Women's Hospital
6/2015-5/2018	Fellow	Cardiovascular Medicine	Brigham and Women's Hospital
6/2011-5/2019	Clinical Fellow in Medicine	Department of Medicine	Harvard Medical School
6/2018-5/2019	Postdoctoral T32 Fellow (BWH/BIDMC)	Cardiovascular Health Policy & Outcomes Research	Richard A. and Susan F. Smith Center for Outcomes Research

Faculty Academic Appointments:

6/2014-6/2015	Instructor in Medicine	Department of Medicine	Brigham and Women's Hospital, Harvard Medical
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			School
6/2019-6/2020	Instructor in Medicine	Division of Cardiovascular Medicine	Beth Israel Deaconess Medical Center, Harvard Medical School
7/2020-10/2023	Assistant Professor of Medicine (Investigator)	Division of Cardiovascular Medicine	Beth Israel Deaconess Medical Center, Harvard Medical School
7/2020-	Associate Program Director, Cardiovascular Medicine Fellowship	Division of Cardiovascular Medicine	Beth Israel Deaconess Medical Center
3/2023-10/2023	Assistant Professor of Health Policy and Management	Department of Health Policy and Management	Harvard TH Chan School of Public Health
10/2023-	Associate Professor of Medicine (Investigator)	Division of Cardiovascular Medicine	Beth Israel Deaconess Medical Center, Harvard Medical School
10/2023-	Associate Professor of Health Policy and Management	Department of Health Policy and Management	Harvard TH Chan School of Public Health

Appointments at Hospitals/Affiliated Institutions:

6/2014-6/2015	Attending Physician	Department of Medicine	Brigham and Women's Hospital
6/2019-	Attending Physician	Division of Cardiovascular Medicine	Beth Israel Deaconess Medical Center

Faculty Membership in Harvard Initiatives, Programs, Centers, and Institutes

Other Professional Positions:

2019-2020	Advisor	US Department of Health and Human Services
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Major Administrative Leadership Positions:

Local

2020-	Associate Program Director, Cardiovascular Medicine Fellowship	Beth Israel Deaconess Medical Center
2021-	Section Head of Health Policy & Equity, Richard A. and Susan F. Smith Center for Outcomes Research -Lead a section devoted to research focused	Beth Israel Deaconess Medical Center

2021-	<p>on health care policy, quality and equity and cardiovascular care delivery</p> <p>Director, Joan and Marcel Zimetbaum Fellowship</p> <p>-Direct a program that provides 1-year of dedicated research mentorship, training, and financial support for medical students from backgrounds underrepresented in medicine.</p>	Beth Israel Deaconess Medical Center
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National

2022-	Chair of Communications Committee	American Heart Association, Council on Quality of Care and Outcomes
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Committee Service:

Local

2013-2014	Morbidity and Mortality Committee	Brigham and Women’s Hospital
2013-2015	Internal Medicine Residency Selection Committee	Brigham and Women’s Hospital
2017-2018	Cardiology Fellowship Selection Committee	Brigham and Women’s Hospital
2020-	Cardiology Fellowship Selection Committee	Beth Israel Deaconess Medical Center
2020-	T32 Training Program in Cardiovascular Research, Steering Committee	Beth Israel Deaconess Medical Center
2023-	BILH Equity Measurement and Evaluation Committee	Beth Israel Deaconess Medical Center

National

2020-	Editorial Board	Circulation: Cardiovascular Quality and Outcomes
2021	Abstract Selection Committee	Academy Health
2021	Equity, Diversity, and Inclusion Board National Advisory Committee	American Heart Association
2022	Abstract Selection Committee	Academy Health
2022-	Editorial Board	Health Services Research Journal
2022-	Senior Associate Editor	Health Services Research Journal
2022	Abstract Selection Committee	American Heart Association Scientific Sessions
2022	American Heart Association Scientific Program Planning Committee	American Heart Association Scientific Sessions
2022-	Chair of American Heart Association Communications Committee	American Heart Association, Council on Quality of Care and Outcomes

2022-2023	Health Equity Fellowship	Health Affairs Journal (Academy Health), Faculty Mentor
2022-2023	Technical Expert Panel for Medicare quality measures	National Committee for Quality Assurance, Centers for Medicare and Medicaid Services
2024-	Utilization Measurement Advisory Panel (UMAP)	National Committee for Quality Assurance

Professional Societies:

2011-	Massachusetts Medical Society	Member
2018-	American Heart Association	Member, Council on Quality of Care and Outcomes Research
2019-2020	American Heart Association Value in Healthcare Initiative	Writing Committee
2019-	American College of Cardiology	Member
2019-	Academy Health	Member
2021-	Academy Health Annual Research Meeting	Abstract Selection Committee
2021-	American Heart Association Statement on Value-Based Payment Models	Writing Committee
2021	American Heart Association, Statement on Racial and Ethnic Disparities Research	Writing Committee
2022-	American Heart Association, Council of Quality of Care and Outcomes	Chair of Communications Committee
2022	American Heart Association National Meeting	Abstract Selection Leader
2022	American Heart Association National Meeting	Scientific Program Planning Committee
2022-	American Heart Association, Council on Quality of Care and Outcomes	Chair of Communications Committee

Grant Review Activities:

2021-	Area of Concentration Grant Review, Internal Medicine Residency	Beth Israel Deaconess Medical Center
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Editorial Activities:

- **Ad hoc Reviewer**

New England Journal of Medicine
Journal of the American Medical Association (JAMA)
Annals of Internal Medicine
British Medical Journal
Circulation
JAMA – Cardiology
Journal of the American College of Cardiology (JACC)
JACC – Heart Failure
Circulation: Cardiovascular Quality and Outcomes

Health Services Research Journal
 European Heart Journal
 JAMA – Network Open
 JAMA – Health Forum
 Health Affairs
 Journal of the American Heart Association (JAHA)

• **Other Editorial Roles**

2020-	Editorial Board	Circulation: Cardiovascular Quality and Outcomes
2022-	Editorial Board	Health Services Research Journal
2022-	Senior Associate Editor	Health Services Research Journal
2023-	Editor, Health Disparities Issue	Circulation

Honors and Prizes:

2002	Ferdinand Plaenart Award	University of Wisconsin - Madison	Academic excellence
2006	Dean’s Outstanding Senior Award	University of Wisconsin – Madison	Outstanding scholarship, leadership, and service
2006	Walter and Adelheid Hohenstein Fellow	Phi Kappa Phi	Academic achievement
2006	Merit Scholarship	Mayo Clinic School of Medicine	
2007	Research Scholarship	American Association of Thoracic Surgery	Outstanding human factors project
2008	Gates Cambridge Scholarship	Bill and Melinda Gates Cambridge Scholarship	Outstanding intellectual ability, leadership potential, and commitment to service
2009	Quality Scholar	American College of Medical Quality	
2010	Medical Student Research Award	American Society of Hematology	Outstanding research
2014	Resident Teaching Award	Harvard Medical School	Excellence in teaching
2014	Jerome H. Grossman Graduate Fellowship	Harvard Kennedy School of Government	Leadership in shaping health care delivery policy
2017	T32 Cardiovascular Research Fellowship	Brigham and Women’s Hospital	
2018	Young Investigator Finalist	American Heart Association, Quality of Care and Outcomes Research	Outstanding research study
2019	Young Investigator Finalist	American College of Cardiology	Outstanding research study

2019	Thomas W. Smith Award	Division of Cardiovascular Medicine, Brigham and Women's Hospital	Outstanding research achievement
2020-2021	Top Reviewer Award	Circulation: Cardiovascular Quality and Outcomes	
2022	Top Reviewer Award	Health Services Research Journal	
2022	Emerging Faculty Leadership Academy	American College of Cardiology	
2022	Program Award for Culture of Excellence in Mentoring (PACEM)	Harvard Medical School	One of two program leaders for the Smith Center Mentorship Program that was recognized with the Harvard Medical School PACEM Award.
2023	Excellence in Mentoring Award	Harvard Medical School	Recognized for outstanding research mentorship across Harvard hospitals.

Report of Funded and Unfunded Projects

Past

2017-2018	Association of the ACA's Medicaid expansion with Care and outcomes for heart failure American Heart Association Get With The Guidelines Young Investigator Grant Role: Project PI Evaluated the effects of expanding Medicaid eligibility requirements under the Affordable Care Act on quality of care and outcomes among low-income adults hospitalized with heart failure.
2017-2018	Impact of Medicaid expansion on acute myocardial infarction treatment and outcomes American College of Cardiology – National Cardiovascular Data Registry Role: Project PI Evaluated the impact of the Affordable Care Act's Medicaid expansion on quality of care and mortality among low-income adults hospitalized with acute myocardial infarction.
2018-2019	Practice-level socioeconomic disadvantage, care quality, and outcomes among patients with coronary artery Disease American College of Cardiology - National Cardiovascular Data Registry (PINNACLE) Role: Project PI Examined the association of practice-level socioeconomic disadvantage with quality of care and outcomes among Medicare beneficiaries with coronary artery disease
2019-2020	Heart failure outcomes among older adults in the United States American College of Cardiology Merck Research Fellowship in Cardiovascular Disease and Cardio-metabolic Disorders Role: Project PI (\$70,000 salary support)

This project evaluated contemporaneous outcomes (mortality and readmissions) among Medicare patients hospitalized for heart failure in the United States.

*Relinquished given K23 award (below)

- 2019-2020 Socioeconomic disadvantage and outcomes among older adults with venous thromboembolism
Thrombosis Research Group, Brigham and Women's Hospital
Role: PI (\$24,150)
Studied whether socioeconomic disadvantage is associated with higher hospitalization rates and worse outcomes among elderly adults with pulmonary embolism.
- 2021-2022 Neighborhood Deprivation and Clinical Outcomes Among Older Adults Hospitalized for Pulmonary Embolism in the United States
Thrombosis Research Group, Mass General Brigham
Role: PI (\$25,298)
Used national claims data to examine the association of neighborhood deprivation and hospital characteristics with clinical outcomes after a pulmonary embolism hospitalization in the Medicare population.

Current

- 2019-2024 Explaining rising heart failure mortality in the Medicare population
NIH/National Heart, Lung and Blood Institute (NHLBI), K23 Career Development Award (K23HL148525)
Role: Project PI (\$800,000 total direct costs)
This study evaluates the patient-, social-, and policy-level factors that explain rising heart failure mortality in the US.
- 2021-2024 A Multi-Dimensional Linked Registry to Identify Biological, Clinical, Health System, and Socioeconomic Risk Factors for COVID-19-Related Cardiovascular Events
NIH/National Heart, Lung, and Blood Institute (NHLBI), R01 (R01HL157530-01)
Role: Co-investigator
This research leverages linkage of the American Heart Association COVID-19 Cardiovascular Disease Registry with comprehensive health claims data of Medicare-insured patients to enhance risk prediction and systematically ascertain long-term major adverse cardiovascular events after COVID-19 hospitalization. Further linkage with community-level measures of socioeconomic deprivation and rurality will further our understanding of how these factors influence long-term risk associated with COVID-19.
- 2022-2025 Rural-Urban Disparities in Spillover Effects of COVID-19
NIH/National Institute of Nursing Research U01 (U01NR020555)
Role: Site PI
Examines the spillover effects of the pandemic on care and outcomes for cardiovascular conditions (myocardial infarction, heart failure, stroke), and assess the impact of mitigation strategies rolled out by health systems, communities, and the federal government.
- 2022-2026 Cardiovascular Health of Low-Income Working-Age Adults in the US: Health Care Access, Policy, and the Pandemic
NIH/ National Heart, Lung, and Blood Institute (NHLBI), R01 (R01HL164561)
Role: PI (\$3.7 million)

This study seeks to understand changes in cardiovascular risk factors, disease, and outcomes in low-income working-age adults, assess the impact of the pandemic on health care coverage, access, and affordability as well as cardiovascular morbidity and mortality, and determine the potential effects of expanding the Medicare program on the cardiovascular health of this population.

- 2023-2027 Improving Healthcare Quality and Equity For Older Adults with HIV Under Value-Based Care Models
NIH/ National Institute of Aging (NIA), R01 (R01 AG081151)
Role: Co-Investigator
This study seeks to understand how value-based payment models impact quality of care, clinical outcomes, and spending for older adults with HIV.

Projects Submitted for Funding

- 2023 Evaluating the Impact of Pandemic-Related Supplemental Nutrition Assistance Program (SNAP) Policies on Food Security and Cardiovascular Conditions
NIH/NIMHD/NINR/ODP
Role: PI (\$2.7 million)
This study aims to understand how pandemic-related SNAP policies impacted income-based inequities in food security, health care access and affordability, as well as the prevalence, treatment and control of cardiovascular risk factors and conditions.
- 2023- Understanding and Addressing Disparities in Cardiovascular Care and Health for Rural Working-Age Adults in the United States
NIH/National Heart, Lung, and Blood Institute (NHLBI), R01
Role: PI (\$3.9 million)
This study will evaluate changes in cardiovascular risk factors, disease, and outcomes in rural working-age adults compared to their urban counterparts, assess the impact of the pandemic on health care coverage, access, and affordability as well as cardiovascular morbidity and mortality, and determine the effects of broadband expansion under the *Infrastructure Investment and Jobs Act* on care and outcomes in rural areas.

Training Grants and Mentored Trainee Grants

- 2019-2021 Sarnoff Cardiovascular Research Fellowship
Sarnoff Fellowship Program
Mentor
I served as the primary mentor for 3 consecutive recipients of the Sarnoff Research Fellowship for Emefah Loccoh, whose work evaluated cardiovascular care delivery and mortality in the rural US.
- 2021- John S. Ladue Memorial Fellowship in Cardiovascular Medicine
Harvard Medical School
Mentor
Primary mentor on a Ladue Grant for Andrew Oseran, an MGH Cardiology Fellow in his post-doctoral research training years, for research focused on applying quasi-experimental methods to understand the effects of insurance plan design on cardiovascular health.
- 2021- Sarnoff Cardiovascular Research Fellowship

Sarnoff Fellowship Program

Mentor

I serve as the primary mentor on Sarnoff Research Fellowship for Ashley Kyalwazi, whose work examines the intersection of value-based policies and cardiovascular outcomes.

2022- Sarnoff Cardiovascular Research Fellowship

Sarnoff Fellowship Program

Mentor

I serve as the primary mentor on a Sarnoff Research Fellowship for Chantal Henry, whose work examines racial and ethnic disparities in cardiovascular health.

2022- T32 Training Grant in Cardiovascular Research (T32HL160522)

NIH/National Heart, Lung, and Blood Institute

Steering Committee

I am on the steering committee of a T32 training grant, and am responsible for development of a didactic curriculum, advising T32 trainees, and will also serve as a mentor on the grant.

Report of Local Teaching and Training

Teaching of Students in Courses:

2012-2014	Patient Doctor 2 Course 2 nd year medical students	Brigham and Women's Hospital 2 hours per week, 4 weeks
2020-	Essentials of the Profession – Health Policy Course 1 st year medical students	Harvard Medical School 5.5 hours per week, 4 weeks
2022-	Health Care Quality and Equity (HPM 516) Master's in Public Health students	Harvard School of Public Health 6 hours per week, 8 weeks

Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs):

2013-2014	Cardiovascular Medicine Didactic Curriculum Internal Medicine Residents	Brigham and Women's Hospital 1 hour per week, 8 weeks
2015	Levine Cardiac Unit Morning Didactics Internal Medicine Residents	Brigham and Women's Hospital 1 hour per week, 4 weeks
2015	Levine Cardiac Unit Morning Didactics Internal Medicine Residents	Brigham and Women's Hospital 1 hour per week, 4 weeks
2016	CCU Morning Didactics Internal Medicine Residents	Massachusetts General Hospital 1 hour per week, 4 weeks
2019-	Resident Report or Firm Conference, Internal Medicine Residents	Beth Israel Deaconess Medical Center 1 hour as requested
2019-	Zoll General Cardiology Service Lecture Series, Internal Medicine Residents	Beth Israel Deaconess Medical Center 1-2 hours per week, 4 weeks
2019-	General Cardiology Fellow Didactic Series, Cardiology Fellow	Beth Israel Deaconess Medical Center Four 1-hour sessions per year

2020-	Clinician-Investigator Education Series, Cardiology Fellow	Beth Israel Deaconess Medical Center Four 1-hour sessions per year
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Clinical Supervisory and Training Responsibilities:

2019-	Attending Physician, Outpatient Cardiac Direct Access Care Unit Internal Medicine Residents	Beth Israel Deaconess Medical Center 9 hours per week, 36 weeks
2019-	Attending Physician, Inpatient Cardiology Consult Service Cardiovascular Medicine Fellows	Beth Israel Deaconess Medical Center 60 hours per week, 3 weeks
2019-	Attending Physician, General Cardiology Inpatient Service Internal Medicine Residents	Beth Israel Deaconess Medical Center 60 hours per week, 1 week

Formally Mentored Harvard Medical, Dental and Graduate Students:

*Denotes current actively supervised mentees

2018-2020 Enrico Ferro, 2018-2020
Research mentorship resulted in first-author publication in Health Affairs focused on the Hospital Readmissions Reduction Program.

Current position: Cardiovascular Medicine Fellow, BIDMC

2019- *Suhas Gondi, 2019-
Primary research mentor for Mr. Gondi resulting in several original publications in JAMA Internal Medicine, JACC, JAMA Network Open, as well as a perspective piece in the New England Journal of Medicine that was a featured author interview on the NEJM Podcast

Current position: Internal Medicine Resident, Brigham and Women's Hospital

2020- *Michael Liu, 2020-
Primary research mentorship and support resulted in 2 first-author original publications in JAMA, another in JACC, and several other original papers, as well as an oral podium presentation at the American Heart Association National Meeting (2021).

2021- *Ashley Kyalwazi, 2021-
Serving as primary research mentor of a Sarnoff Cardiovascular Research Fellowship, which has resulted in a first-author original publication in Circulation, an invited author interview on the Circulation On The Run Podcast, and several oral and abstract presentations at the American College of Cardiology Scientific Sessions (2022).

2021- *Ahmed Ahmed, 2021-
Primary research mentor for work resulting in a first-author original publication in the Journal of General Internal Medicine and a presentation at the American College of Cardiology Scientific Sessions (2022).

- 2022- *Sudheesha Perera, 2022-
 Primary research mentor for HSPH practicum focused on understanding the epidemiology of cardiovascular risk factors and disease among disaggregated Asian subgroups (e.g., South Asian, Chinese American).
- 2022- *Sahil Sandhu, 2022-
 Primary research mentorship and support has resulted in a first-author perspective in the New England Journal of Medicine (in press).
- 2023- *Chris Alba, 2023-
- 2023- *Cindy Won, 2023-

Other Mentored Trainees and Faculty:

*Denotes current actively supervised mentees

- 2018-2020 Colin O'Brien M.D., Cardiology Fellow, Emory University Hospital
 Research mentorship during Dr. O'Brien's internal medicine residency at BIDMC that resulted in an original publication in Journal of the American College of Cardiology as well as a moderated poster presentation at the American College of Cardiology Scientific Sessions (2019).
- 2018-2021 Zachary Hermes M.D., Chief Medicine Resident, Brigham and Women's Hospital
 Primary research mentor while Dr. Hermes was an internal medicine resident at BWH that resulted in a first-author manuscript in the Journal of General Internal Medicine and an abstract presentation at the American College of Cardiology Scientific Sessions (2019).
- 2019-2022 Emefah Loccoh M.D., Internal Medicine Resident, Brigham and Women's Hospital
 I served as primary research mentor of a Sarnoff Cardiovascular Research Fellowship (2019-2021) for Dr. Loccoh while she was a medical student at Ohio State University, which resulted in multiple original publications, including first-author papers in Health Affairs and Journal of American College of Cardiology, as well as several abstract presentations at national meetings, including as a finalist for the Society of General Medicine Young Investigator Award 2020.
- 2019- *Rahul Aggarwal M.D., Cardiology Fellow, Brigham and Women's Hospital
 Primary research mentor for Dr. Aggarwal during his internal medicine residency training at BIDMC and cardiology fellowship at BWH, which resulted in multiple original publications, including 3 first-author original publications in JAMA, and other first-author publications in Journal of American College of Cardiology, JAMA Network Open, and PLOS Medicine, as well as Young Investigator Finalist Award at the American College of Cardiology National Meeting (2022).
- 2019- Nicholas Chiu M.D., Internal Medicine Resident, Beth Israel Deaconess Medical Center
 Primary research mentor for Dr. Chiu during internal medicine residency, which resulted in a first-author original publication in JAMA Health Forum, and was a featured author interview on the JAMA Network Podcast.

- 2019- *Andrew Oseran M.D., Cardiology Fellow, Massachusetts General Hospital
 Primary research mentor for Dr. Oseran, a cardiology fellow at MGH completing his 2 years of postdoctoral research training under my mentorship with the support of a John S. Ladue Research Grant (HMS), which has resulted in first-author original publications in JAMA Cardiology, JAMA Internal Medicine, Annals of Internal Medicine, and Circulation: CQO as well as several abstract presentations at AHA, ACC, Academy Health National Meetings.
- 2020- *Jamie Diamond M.D., Heart Failure Fellow, Duke Medical Center
 I serve as the primary research mentor of an American Heart Association Young Investigator Grant for Dr. Diamond, which began during her cardiology fellowship at BIDMC, and has resulted in an abstract presentation at AHA Scientific Sessions and a first-author manuscript in JAMA Cardiology.
- 2021- *Prihatha Narasimmaraj M.D., Internal Medicine Resident, Brigham and Women's Hospital
 Primary research mentor for work focused on the effects of value-based payment on cardiovascular equity, which has resulted in an abstract presentation at the American College of Cardiology National Meeting (2022) as well as a first-author manuscript in the Journal of the American College of Cardiology.
- 2021- *Aaron Troy M.D., Internal Medicine Resident, Beth Israel Deaconess Medical Center
 Primary research mentor for Dr. Troy, an internal medicine resident at BIDMC, which has resulted in an oral presentation at the American Heart Association Scientific Sessions (2022) and a manuscript currently under review.
- 2021- *Jelani Grant, M.D., Cardiology Fellow, Johns Hopkins Hospital
 Primary research mentor for Dr. Grant, who is a cardiology fellow at JHU performing work exploring disparities in cardiovascular care delivery, with a first-author original manuscript currently under review.
- 2021- *Michael Dangle, M.D., Internal Medicine Resident, University of Miami
 Serve as a research mentor for Dr. Dangle on work exploring how implicit bias impacts the delivery of cardiovascular procedures, with a first-author original manuscript currently under review.
- 2022- *Andrew Anderson, Ph.D., Assistant Professor, Tulane University School of Public Health and Tropical Medicine
 I am serving as a faculty mentor for Dr. Anderson, an Assistant Professor at Tulane, through the national Health Affairs Health Equity Fellowship for work focused on disparities preventable heart failure admissions.
- 2022- *Chantal Henry B.S, Medical Student, Meharry Medical College
 I am serving as the primary research mentor for Ms. Henry, a Sarnoff Cardiovascular Research Fellow and medical student at Meharry Medical College, who is focusing on inequities in cardiovascular health in young adults.
- 2022- *Lucas Marinacci, M.D., Cardiology Fellow, Beth Israel Deaconess Medical center
 I am serving as the primary research mentor for Dr. Marinacci, who will be competing a 2-year post-doctoral T32 research fellowship focused on neighborhood inequities in cardiovascular health in Massachusetts under my guidance.

- 2022- *Stephen Mein, M.D., Pulmonary/Critical Care Fellow, Beth Israel Deaconess Medical center
I am serving as the primary research mentor for Dr. Mein, who will be competing a 2-year post-doctoral T32 research fellowship focused on the COVID-19 pandemic’s long term effects on health care access, affordability, and cardiopulmonary health inequities.
- 2023- *Victoria Bartlett, Internal Medicine Resident at Brigham and Women’s Hospital
I am serving as the primary research mentor for Dr. Barlett, whose work focuses on private equity acquisitions impact health care delivery, spending, and outcomes.
- 2023- *Rachel Gardner, Internal Medicine Resident at Brigham and Women’s Hospital
I am serving as the primary research mentor for Dr. Gardner, whose work is focusing on value-based care in the post-pandemic era.
- 2023- *Sukruth Shashikumar, Internal Medicine Resident at Brigham and Women’s Hospital
I am serving as the research mentor for Dr. Shashikumar, whose work focuses on several important domains, including value-based payment models, health care access, spending, and affordability
- 2023- *Frederikke Berg, Post-Doctoral Fellow (Denmark)
I am serving as the primary research mentor for Dr. Berg, whose work with focus on international comparisons of care deliver, health outcomes, and inequities in the US vs Denmark (universal health care system).
- 2023- *Anjali Bhatt, Internal Medicine Resident at John’s Hopkins
I am serving as the primary research mentor for Dr. Bhatt, whose work focuses on the intersection of health care policy and cardiovascular outcomes.
- 2023- *Eden Engel-Rebitzer, Internal Medicine Resident at Brigham and Women’s Hospital
I am serving as the primary research mentor for Dr. Engel-Rebitzer, whose work focuses on the effects of Medicaid policy changes (e.g., work requirements) on quality of care and health outcomes.

Formal Teaching of Peers (e.g., CME and other continuing education courses):

- No presentations below were sponsored by 3rd parties/outside entities*
 Those presentations below sponsored by outside entities are so noted and the sponsor(s) is (are) identified.

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| 2019 | “Hospital Readmissions Reduction Program and Heart Failure Mortality”
15 th Annual Holiday Heart Failure Symposium (sponsored by Northwestern Feinberg School of Medicine) | Chicago, IL |
| 2019 | “The Affordable Care Act: Readmissions Controversies.”
American College of Cardiology Scientific Sessions – | Orlando, FL |

Florida (sponsored by ACC-Florida)

Local Invited Presentations:

No presentations below were sponsored by 3rd parties/outside entities

Those presentations below sponsored by outside entities are so noted and the sponsor(s) is (are) identified.

- 2015 “Tackling Heart Failure Readmissions.” Cardiovascular Clinical Conference
Division of Cardiovascular Medicine, Brigham and Women’s Hospital
- 2016 “Diagnosis and Management of Cardiac Sarcoidosis.” Cardiovascular Clinical Conference
Division of Cardiovascular Medicine, Brigham and Women’s Hospital
- 2016 “A 73 year-old woman with chest pain.” Cardiac Catheterization Conference
Cardiology Division, Massachusetts General Hospital
- 2016 “Mixed Valvular Disease.” Hemodynamics Conference
Cardiovascular Division, Massachusetts General Hospital
- 2016 “Severe Mitral Stenosis.” Cardiovascular Imaging Conference
Cardiovascular Division, West Roxbury Veteran’s Affairs Hospital
- 2017 “Public Reporting of Cardiac Outcomes.” Cardiovascular Clinical Conference
Division of Cardiovascular Medicine, Brigham and Women’s Hospital
- 2017 “Cardiac Resynchronization Therapy in Patients with LVAD.” Electrophysiology
Conference, Cardiology Division, Massachusetts General Hospital
- 2018 “Emerging Value-Based Payment Programs: Rational, Evidence, and Consequences.”
Richard A. and Susan F. Smith Center for Outcomes Seminar Series, Beth Israel Deaconess
Medical Center
- 2018 “The Hospital Readmissions Reduction Program and Mortality.” Cardiovascular Grand
Rounds
Division of Cardiovascular Medicine, Brigham and Women’s Hospital
- 2018 “Toward Evidence-Based Health Policy for Cardiovascular Care.” Management and
Leadership Pathway Health Policy Series
Department of Medicine, Brigham and Women’s Hospital
- 2019 “The Affordable Care Act’s Hospital Readmissions Reduction Program: The Emperor’s
New Clothes?” Cardiovascular Grand Rounds (*Thomas W. Smith Award*)
Division of Cardiovascular Medicine, Brigham and Women’s Hospital
- 2019 “The Affordable Care Act and Value-Based Care.” Cardiology Grand Rounds
Cardiovascular Division, Beth Israel Deaconess Medical Center
- 2019 “Value-Based Care in the Era of the Affordable Care Act.” Management and Leadership
Pathway Health Policy Series
Department of Medicine, Brigham and Women’s Hospital
- 2019 “The ACA’s Hospital Readmissions Reduction Program: Policy Success or Emperor’s New
Clothes?” General Medicine Lecture Series
Division of General and Internal Medicine, Brigham and Women’s Hospital
- 2020 “Evaluating the Hospital Readmissions Reduction Program: Policy Success or Failure?”
Center for Healthcare Delivery Science Grand Rounds
Department of Medicine, Beth Israel Deaconess Medical Center
- 2020 “Pay-for-Performance Under the Affordable Care Act: Promise and Pitfalls.” Medicine
Grand Rounds.
Department of Medicine, Beth Israel Deaconess Medical Center
- 2020 “The Affordable Care Act and Heart Failure Care: Have We Made Progress?” Heart Failure

- Section Clinical Seminar.
 Division of Cardiovascular Medicine, Brigham and Women’s Hospital
- 2021 “Advancing Health Equity in the United States.” Cardiology Grand Rounds.
 Cardiovascular Division, Beth Israel Deaconess Medical Center
- 2021 “The COVID-19 Pandemic and Cardiovascular Disease: Inequities and Collateral Effects.”
 Vascular Medicine Conference.
- 2021 Division of Cardiovascular Medicine, Brigham and Women’s Hospital
 “Policy Strategies to Advance Cardiovascular Health Equity.” Trustee Advisory Board and
 Leadership Board Meeting.
 Department of Medicine, Beth Israel Deaconess Medical Center
- 2021 “Value-Based Care Under the Affordable Care Act: Promise and Pitfalls.” Leadership in
 Health Policy Series.
 Department of Medicine, Brigham and Women’s Hospital
- 2021 “Health Policy Strategies to Reduce Health Inequities in the US.” Cardiovascular Advisory
 Committee Meeting.
 Cardiovascular Division, Beth Israel Deaconess Medical Center
- 2021 “Cardiovascular Health Equity in the US.” Cardiovascular Fellowship Lecture Sessions.
 Cardiovascular Division, Beth Israel Deaconess Medical Center
- 2022 “Affordable Care Act and Cardiovascular Health Equity.” Management and Leadership
 Pathway Health Policy Series
 Department of Medicine, Brigham and Women’s Hospital
- 2023 “Causal Inference Methods to Evaluate the Effects of National Health Policies”
 EPI235 Course: Epidemiologic Methods in Health Services Research
 Harvard School of Public Health
- 2023 “Advancing Cardiovascular Health in the United States: From Policies to Patients”
 Harvard-Wide Medicine Grand Rounds
 Brigham and Women’s Hospital, Beth Israel Deaconess Medical Center, and Massachusetts
 General Hospital
- 2023 “Value-Based Policy Reform in the Affordable Care Act Era: Promise, Pitfalls, and the Path
 Forward.” General Medicine Grand Rounds
 Department of Medicine, Beth Israel Deaconess Medical Center

Report of Regional, National and International Invited Teaching and Presentations

- No presentations below were sponsored by 3rd parties/outside entities*
- Those presentations below sponsored by outside entities are so noted and the sponsor(s) is (are) identified.*

Regional

- 2019 “The Hospital Readmissions Reduction Program: Policy Success?” Harvard Kennedy
 School Health Care Policy Leadership Forum
 Harvard John F. Kennedy School of Government, Cambridge, MA
- 2019 “The ACA’s Hospital Readmission Reduction Program – Policy Success or Emperor’s New
 Clothes?” Cardiology Grand Rounds
 Division of Cardiovascular Medicine, Lahey Hospital, Burlington, MA
- 2022 “Advancing Cardiovascular Health in the ACA Era: Promise, Progress, and Pitfalls.”
Cardiology Grand Rounds
 West Roxbury VA Healthcare System, West Roxbury, MA

National

- 2007 “A Pilot Preoperative Briefing for Cardiac Surgery.” 18th Annual Kirklin Lectureship
Mayo Clinic, Rochester MN
- 2008 “Development and Implementation of a Cardiac Surgery Specific Preoperative Briefing.”
Academic Surgical Congress 3rd Annual Meeting, Huntington Beach, CA
*Selected oral abstract
- 2017 “Thirty-Day Hospital Spending and Acute Myocardial Infarction Outcomes Among
Medicare Beneficiaries.”
American Heart Association Scientific Sessions, Anaheim, CA
*Best of QCOR sessions (selected oral abstract)
- 2018 “Impact of the Affordable Care Act’s Medicaid Expansion on Care Quality and Outcomes
for Low-Income Patients Hospitalized with Heart Failure.”
American Heart Association Quality of Care and Outcomes Scientific Sessions Meeting,
Arlington, VA
*AHA - QCOR Young Investigator Finalist (selected oral abstract)
- 2019 “Neighborhood Disadvantage and Variation in Coronary Artery Disease Care and Outcomes
Among Outpatient Cardiology Practices.”
American College of Cardiology Scientific Sessions, New Orleans, LA
*ACC Young Investigator Finalist (selected oral abstract)
- 2019 “Explaining Rising Heart Failure Mortality – The Role of Policy.”
American College of Cardiology Scientific Sessions, New Orleans, LA
*ACC Merck Cardiometabolic Research Award Presentation
- 2019 “The Affordable Care Act: Readmissions Controversies.”
American College of Cardiology Scientific Sessions (Florida), Orlando, FL
- 2019 “Heart Failure Readmissions and Mortality: Misguided Policy Approach?”
15th Annual Holiday Heart Failure Symposium
Northwestern Medical Center, Chicago, IL
- 2020 “10 Years of the Affordable Care Act: Where Have We Been and Where Are We Headed?”
American Heart Association’s QCOR Scientific Sessions 2020, Invited Discussant
(*virtual due to COVID-19*)
- 2021 “Value-Based Policies & Cardiovascular Care Under the Affordable Care Act: Promise &
Pitfalls.” Cardiovascular Medicine Grand Rounds
Department of Medicine, University of Maryland Medical Center, Baltimore, MD
- 2021 “Cardiovascular Deaths During the COVID-19 Pandemic in the United States.” Invited
Lecture. Center for Health Economics and Policy Seminar Series
Institute of Public Health, Washington University in St. Louis, St. Louis, MO
- 2021 “Cardiovascular Deaths During the COVID-19 Pandemic in the United States.” Invited
Lecture. Stanford Heart Lab Seminar.
Stanford Medical School, Palo Alto, CA
- 2021 Cardiovascular Science and Clinical Career Development During COVID-19
Invited Panel Speaker, American Heart Association Scientific Sessions 2021 (*virtual due to
COVID-19*)
- 2021 Stop the Waste! Eliminating Low-Value Cardiovascular Health Care
Invited Discussant, American Heart Association Scientific Sessions 2021 (*virtual due to
COVID-19*)
- 2021 Social Factors Driving Health Status and Health Care Outcomes
Invited Discussant, American Heart Association Scientific Sessions 2021 (*virtual due to
COVID-19*)
- 2021 “The Hospital Readmissions Reduction Program: Promise and Pitfalls.” Invited Lecture,

- Health Policy Seminar Series at the Division of Health Policy and Economics, Weill Cornell Medical College, New York City, New York
- 2021 “Cardiovascular Deaths During the COVID-19 Pandemic in the US.”
Invited Speaker, American College of Sports Medicine Annual Meeting and World Congress 2021 (*virtual due to COVID-19*)
- 2022 “Advancing Cardiovascular Health in the ACA Era: Promise, Progress, and Pitfalls.”
Heart and Vascular Center Grand Rounds
Dartmouth-Hitchcock Health System, Hanover, New Hampshire
- 2022 Plenary Session: Health Equity in the United States, Invited Panelist and Discussant,
American Heart Association Quality of Care and Outcomes Research Scientific Sessions 2022. Reston, VA.
- 2022 The Affordable Care Act and Cardiovascular Health Equity: Progress, Pitfalls, and the Path Forward. Invited speaker. American Heart Association Quality of Care and Outcomes Research Scientific Sessions 2022
- 2023 Social Determinants of Health and Health Promotion, Invited Panelist and Discussant.
American College of Cardiology Scientific Sessions 2023. New Orleans, LA
- 2023 Cardiovascular Deaths during the COVID-19 Pandemic, Invited Speaker
Division of Heart Disease and Stroke Prevention, Centers for Disease Control and Prevention
- 2023 Hospitals and Health Equity - Translating Measurement into Action, Invited Speaker
Premier Health Equity Collaborative
- 2023 “Advancing Cardiovascular Health in the ACA Era: Promise, Pitfalls and the Path Forward.” Cardiology Grand Rounds
University of Oklahoma

International

- 2009 The Relationship Between Occupational Social Class and Type 2 Diabetes,
11th Symposium of the International Diabetes Epidemiology Group, Quebec City, Canada
*Selected oral abstract
- 2021 The Hospital Readmissions Reduction Program, Promise and Pitfalls
Symposium on Indication Quality, University Hospital Zurich
Zurich, Switzerland (*virtual due to COVID-19*)
*Plenary speaker

Report of Clinical Activities and Innovations

Current Licensure and Certification:

- 2014 Massachusetts Medical License
- 2014 American Board of Internal Medicine, Internal Medicine
- 2018 American Board of Internal Medicine, Cardiovascular Disease

Practice Activities:

- | | | | |
|-----------|--------------------|--|--------------------|
| 2014-2015 | Hospitalist | Brigham and Women’s Hospital,
Boston MA | 96 hours per month |
| 2019- | Cardiology consult | Beth Israel Deaconess Medical | 3 weeks per year |

	attending	Center, Boston MA	
2019-	Inpatient cardiology service attending	Beth Israel Deaconess Medical Center, Boston MA	2 weeks per year
2019-	Electrocardiogram interpretation	Beth Israel Deaconess Medical Center, Boston MA	12 sessions per year
2019-	Cardiac direct access care unit attending	Beth Israel Deaconess Medical Center, Boston MA	3 days per month

Report of Teaching and Education Innovations

<p>Richard A. and Susan F. Smith Center Trainee Mentorship Program. Beth Israel Deaconess Medical Center, Boston, MA (2019-Present)</p>	<p>I have co-led the development of a mentorship training program for medical students, residents, and cardiology fellows from across all 3 Harvard teaching hospitals (and beyond) whom spend 1-2 years of dedicated research training time at the Smith Center. Several key features of the program include 1 on 1 dedicated mentorship, formal trainee work-in-progress seminar talks, research grant “sprints” and workshops, and career development sessions, and many trainees in this program have published high-impact work and successfully secured career development awards. The structure of this training program has been shared with and partially adopted by other prominent health outcomes research centers (e.g., Penn). I am one of 2 program leaders for this mentorship program, which was awarded the Program Award for Culture of Excellence in Mentoring (PACEM) from Harvard Medical School in 2022.</p>
<p>Associate Program Director, Cardiology Fellowship. Beth Israel Deaconess Medical Center, Boston, MA. (2020-Present)</p>	<p>As Associate Program Director of the Cardiology Fellowship at BIDMC, I provide academic guidance and mentorship to fellows pursuing a career in clinical investigation. In this role, I have developed a structured curriculum and didactic series focused on preparing fellows for their post-doctoral research years during fellowship, which covers a range of topics including what to look for in a research mentor, how to excel as a mentee, how to approach and write a research grant or career development award application (e.g., American Heart Association and American College of Cardiology Career Development Awards, Harvard KL2 Award, NIH K08/K23 Award), as well as a grant review series to provide structured “one-on-one” feedback for fellows submitting applications for an award. This structured approach to the career development of aspiring clinician-investigators at the fellowship-stage has been shared with the BWH cardiology fellowship, as well as with several fellowship program leaders nationally (e.g. Stanford).</p>
<p>Joan and Marcel Zimetbaum Fellowship. Beth Israel Deaconess Medical Center, Boston, MA (2020-Present)</p>	<p>I helped develop and now co-lead the Zimetbaum Fellowship at BIDMC, a unique program that supports the research training (health services and outcomes, clinical epidemiology, public health, health equity, or health policy) of medical students from backgrounds traditionally underrepresented in medicine, as part of a programmatic effort to improve diversity in the field of cardiovascular medicine. As part of the Zimetbaum fellowship, medical students receive one-on-one dedicated research mentorship and training over the course of 1-year at the Smith Center, as well as a financial stipend to complete the clinical effectiveness at the Harvard School of Public Health and to support living expenses in Boston. I</p>

helped develop the Zimetbaum fellowship, lead the operations of the fellowship, assist with fundraising efforts, and have served as the primary mentor for the first 2 medical students selected for the program (from Meharry Medical College and Harvard Medical School).

Report of Education of Patients and Service to the Community

No presentations below were sponsored by 3rd parties/outside entities

Those presentations below sponsored by outside entities are so noted and the sponsor(s) is (are) identified.

Material for Patients and the Lay Community:

Books, articles, and presentations in other media

2015	28 and Counting: Expanding Medicaid Makes Sense	Authored an opinion piece in the Huffington Post	
2018	Did This Health Care Policy Do Harm?	Authored an opinion piece in the New York Times	https://www.nytimes.com/2018/12/21/opinion/did-this-health-care-policy-do-harm.html?smid=url-share
2019	Hospitals Treat Patients Without Admitting Them, To Avoid Penalties	Contributed to article in Reuters by Will Boggs	https://www.reuters.com/article/us-health-hospital-readmissions-idUSKCN1VC29X
2019	The Deadly Consequences of Financial Incentives in Healthcare	Contributed to article in Forbes by Robert Pearl	https://www.forbes.com/sites/robertpearl/2019/01/28/financial-incentives/?sh=7ebc356b5eb9
2021	How To Pay for Equitable Outcomes	Contributed to article in Modern Healthcare by Nona Tepper	https://www.modernhealthcare.com/politics-policy/how-pay-equitable-outcomes
2021	Cardiovascular Deaths Increased Early on in Pandemic	Featured interview on NBC 10 news channel	https://www.nbcboston.com/on-air/as-seen-on/cardiovascular-deaths-increased-early-on-in-pandemic-study/2277952/
2021	Second Toll: Study Finds Heart Disease Deaths Shot Up in Early Pandemic, But Not In Mass.	Contributed to article in WBUR by Carey Goldberg	https://www.wbur.org/inside/staff/carey-goldberg
2021	Fewer Diagnostics Tests, Higher CV Mortality During COVID-19 Pandemic	Contributed to article in TCTMD by Michael O’Riordan	https://www.tctmd.com/news/fewer-diagnostic-tests-higher-cv-mortality-during-covid-19-pandemic
2022	Optimism, Heart Health, and Longevity: Unraveling the Link for	Contributed to article in Harvard Heart Letter by Julie Corliss	https://www.health.harvard.edu/blog/optimism-heart-health-and-longevity-unraveling-the-link-for-black-

2022	Black Americans Medicaid Expansion: Good First Step, but No Panacea for CV Care	Contributed to article in Medscape by Patrice Wendling	americans-202202142689 https://www.medpagetoday.com/publichealthpolicy/healthpolicy/99006
2022	Chronic Conditions Require States Do More Than Expand Medicaid, Study Finds	Contributed to article in MedPage Today by Nicole Lou	https://www.medscape.com/viewarticle/977807
2022	Cardiovascular-Related Deaths in the U.S. Fall, but Disparities Remain	Contributed to article by National Institutes of Health	https://www.medscape.com/viewarticle/977807
2022	Stunning Variation in CV Test, Procedure Costs Revealed at Top US Hospitals	Contributed to article in Medscape by Marilyn Larkin	https://www.medscape.com/viewarticle/977807
2022	How one healthcare startup is betting on telemedicine and mobile clinics to remodel patient care in rural America	Contributed to article in Business Insider by Chris Daniels	https://www.businessinsider.com/health-care-startup-is-remodeling-patient-care-in-rural-america-2022-7
2023	Diabetes and Obesity Rising in Young Americans, Study Finds	Contributed to article in the Washington Post by Fenit Nirappil	https://www.washingtonpost.com/health/2023/03/05/diabetes-obesity-young-americans/
2023	Diabetes and Obesity are on the Rise in Young Adults	Contributed to article in NPR by Emma Bowman	https://www.npr.org/2023/03/06/1161225855/diabetes-obesity-rising-study-young-adults

Recognition:

2019	Podcast interview: “Cardiology Health Policy: The Clinicians Strike Back.”	The Accad & Koka Report
2019	NEJM Journal Watch podcast interview: “Hospital readmissions gaming?”	NEJM Journal Watch Clinical Conversations
2021	ACCEL podcast interview: “Cardiovascular Deaths During the COVID-19 Pandemic”	ACCEL Podcast, American College of Cardiology
2021	Podcast interview: “The Unfortunate News about HRRP: With Insights on How to Fix It”	Relentless Health Value
2022	JAMA Health Forum Author Interview: “Association of the Value-Based Purchasing Program with Patient Care Experience at Safety-Net and Non-Safety- Net Hospitals.”	JAMA Network

2022	NEJM Author Interview Podcast: “REACHing for Equity: From Regressive Towards Progressive Payment Models”	New England Journal of Medicine
2022	JAMA Cardiology Audio Interview: “Alerting Clinicians to 1-Year Mortality Risk in Patients Hospitalized with Heart Failure”	JAMA Network
2022	Circulation On The Run Podcast Author Interview: “Disparities in Cardiovascular Mortality Between Black and White Adults in the US”	Circulation Journal
2023	Circulation On The Run Podcast Editor Interview: “Advancing Health Equity in the United States”	Circulation Journal

Report of Scholarship

Peer-Reviewed Scholarship in print or other media:

* designates formally supervised mentee

Research Investigations

1. Ingham SC, **Wadhwa RK**, Fanslau MA, Buege DR. Growth of Salmonella serovars, Escherichia coli O157:H7, and Staphylococcus aureus during thawing of whole chicken and retail ground beef portions at 22 and 30 degrees C. J Food Prot. 2005;68:1457-1461.
2. Ingham SC, DeVita MD, **Wadhwa RK**, Fanslau MA, Buege DR. Evaluation of small-scale hot-water postpackaging pasteurization treatments for destruction of Listeria monocytogenes on ready-to-eat beef snack sticks and natural-casing wieners. J Food Prot. 2005;68:2059-2067.
3. Ingham SC, **Wadhwa RK**, Chu CH, DeVita MD. Survival of Streptococcus pyogenes on foods and food contact surfaces. J Food Prot. 2006;69:1159-1163.
4. DeVita MD, **Wadhwa RK** (*co-first authors*), Theis ML, Ingham SC, Fanslau MA, Buege DR. Assessing the potential of Streptococcus pyogenes and Staph. aureus transfer to foods and customers via a survey of hands, hand-contact surfaces and food-contact surfaces at foodservice facilities. Journal of Foodservice. 2007;18;76-79.
5. ElBardissi AW, Wiegmann DA, Henrickson S, **Wadhwa RK**, Sundt TM, 3rd. Identifying methods to improve heart surgery: an operative approach and strategy for implementation on an organizational level. Eur J Cardiothorac Surg. 2008;34:1027-1033.
6. Henrickson SE, **Wadhwa RK**, Elbardissi AW, Wiegmann DA, Sundt TM, 3rd. Development and pilot evaluation of a preoperative briefing for cardiovascular surgery. J Am Coll Surg. 2009;208:1115-1123.
7. Parker SH, Laviana AA, **Wadhwa RK**, Wiegmann DA, Sundt TM, 3rd. Development and evaluation of an observational tool for assessing surgical flow disruptions and their impact on

surgical performance. *World J Surg.* 2009;34:353-361.

8. **Wadhwa RK**, Parker SH, Burkhart HM, Greason K, Neal J, Levenick K, Sundt TM, 3rd. Is the "sterile cockpit" concept applicable to cardiovascular surgery critical intervals or events? The impact of protocol-driven communication during cardiopulmonary bypass. *J Thorac Cardiovasc Surg.* 2010;139:312-319.
9. **Wadhwa RK**, Kyle RA, Larson DR, Dispenzieri A, Kumar S, Lazarus HM, Rajkumar SV. Incidence, clinical course, and prognosis of secondary monoclonal gammopathy of undetermined significance in patients with multiple myeloma. *Blood.* 2011. Sep 15; 118(11): 2985-7.
10. Bhatia RS, Ivers NM, Yin XC, Myers D, Nesbitt GC, Edwards J, Yared K, **Wadhwa RK**, Wu JC, Kithcart AP, Wong BM, Hansen MS, Weinerman AS, Shadowitz S, Elman D, Farkouh ME, Thavendiranathan P, Udell JA, Johri AM, Chow CM, Hall J, Bouck Z, Cohen A, Thorpe KE, Rakowski H, Picard MH, Weiner RB. Improving the Appropriate Use of Transthoracic Echocardiography: The Echo WISELY Trial. *J Am Coll Cardiol.* 2017 Aug 29; 70(9):1135-1144. PMID: 28838362.
11. **Wadhwa RK**, Joynt Maddox KE, Wang Y, Shen C, Bhatt DL, Yeh RW. Association Between 30-Day Episode Payments and Acute Myocardial Infarction Outcomes Among Medicare Beneficiaries. *Circ Cardiovasc Qual Outcomes.* 2018;11(3):e004397.
12. **Wadhwa RK**, Joynt Maddox KE, Wang Y, Shen C, Yeh RW. 30-Day Episode Payments and Heart Failure Outcomes Among Medicare Beneficiaries. *JACC Heart Fail.* 2018 May; 6(5):379-387. PMID: 29655827.
13. Eisman AS, Weiner RB, Chen ES, Stey PC, **Wadhwa RK**, Kithcart AP, Sarkar IN. An Automated System for Categorizing Transthoracic Echocardiography Indications According to the Echocardiography Appropriate Use Criteria. *AMIA Annu Symp Proc.* 2017; 2017:670-678. PMID: 29854132.
14. **Wadhwa RK**, Shen C, Secemsky EA, Strom JB, Yeh RW. State Variation in the Use of Non-Acute Coronary Angiograms and Coronary Revascularization Procedures. *JACC Cardiovasc Interv.* 2018;11(9):912-913.
15. **Wadhwa RK**, Joynt Maddox KE, Fonarow GC, Zhao X, Heidenreich PA, DeVore AD, Matsouaka RA, Hernandez AF, Yancy CW, Bhatt DL. Association of the Affordable Care Act's Medicaid Expansion With Care Quality and Outcomes for Low-Income Patients Hospitalized With Heart Failure. *Circ Cardiovasc Qual Outcomes.* 2018 Jul; 11(7):e004729. PMID: 29946015.
- Presented at the American Heart Association QCOR National Meeting as a Young Investigator Award finalist
16. Wang Y, Li J, Zheng X, Jiang Z, Hu S, **Wadhwa RK**, Bai X, Lu J, Wang Q, Li Y, Wu C, Xing C, Normand SL, Krumholz HM, Jiang L. Risk Factors Associated With Major Cardiovascular Events 1 Year After Acute Myocardial Infarction. *JAMA Network Open.* 2018; 4(1):e181079.
17. Wang DE, **Wadhwa RK**, Bhatt DL. Association of Rankings With Cardiovascular Outcomes at Top-Ranked Hospitals vs Nonranked Hospitals in the United States. *JAMA Cardiol.* 2018 Nov 28. PMID: 30484836.
18. **Wadhwa RK**, Choi E, Shen C, Yeh RW, Joynt Maddox KE. Trends, Causes, and Outcomes of

- Hospitalizations for Homeless Individuals: A Retrospective Cohort Study. *Med Care*. 2019 Jan; 57(1):21-27. PMID: 30461584.
19. **Wadhwa RK**, Sukul D, Secemsky EA, Shen C, Gurm HS, Boden WE, Yeh RW. Temporal Trends in Unstable Angina Diagnosis Codes for Outpatient Percutaneous Coronary Interventions. *JAMA Intern Med*. 2018 Dec 17. PMID: 30556822.
 - Published in *JAMA Internal Medicine* with an accompanying editorial: McNeely CA, Brown DL. Gaming, Upcoding, Fraud, and the Stubborn Persistence of Unstable Angina. *JAMA Intern Med*. 2019;179(2):261–263.
 20. **Wadhwa RK**, Joynt Maddox KE, Wasfy JH, Haneuse S, Shen C, Yeh RW. Association of the Hospital Readmissions Reduction Program With Mortality Among Medicare Beneficiaries Hospitalized for Heart Failure, Acute Myocardial Infarction, and Pneumonia. *JAMA*. 2018 12 25; 320(24):2542-2552. PMID: 30575880.
 - Published in *JAMA* with accompanying editorial: Fonarow GC. Unintended Harm Associated with the Hospital Readmissions Reduction Program. *JAMA*. 2018;320(24):2539–2541.
 - This study was featured in two separate articles in the *New York Times*: “Hospitals Stopped Readmitting So Many Medicare Patients. Did That Cost Lives?” *New York Times*. Jan 18, 2019; “Did This Health Care Policy Do Harm?” *New York Times*. Dec 21, 2018.
 - This research study led to the Centers of Medicare and Medicaid Services assembling a working group to re-evaluate this national policy
 21. **Wadhwa RK**, Bhatt DL, Wang TY, Lu D, Lucas J, Figueroa JF, Garratt KN, Yeh RW, Joynt Maddox KE. Association of State Medicaid Expansion With Quality of Care and Outcomes for Low-Income Patients Hospitalized With Acute Myocardial Infarction. *JAMA Cardiol*. 2019. doi: 10.1001/jamacardio.2018.4577. PubMed PMID: 30649146.
 22. Ferro EG, Secemsky EA, **Wadhwa RK**, Choi E, Strom JB, Wasfy JH, Wang Y, Shen C, Yeh RW. Patient Readmission Rates For All Insurance Types After Implementation Of The Hospital Readmissions Reduction Program. *Health Aff (Millwood)*. 2019;38(4):585-593.
 23. **Wadhwa RK**, O'Brien CW, Joynt Maddox KE, Ho KKL, Pinto DS, Resnic FS, Shah PB, Yeh RW. Public Reporting of Percutaneous Coronary Intervention Outcomes: Institutional Costs and Physician Burden. *J Am Coll Cardiol*. 2019;73(20):2604-2608.
 24. **Wadhwa RK**, Joynt Maddox KE, Kazi DS, Shen C, Yeh RW. Hospital revisits within 30 days after discharge for medical conditions targeted by the Hospital Readmissions Reduction Program in the United States: national retrospective analysis. *BMJ*. 2019;366:l4563
 25. Kundi H, Faridi KF, Wang Y, **Wadhwa RK**, Valsdottir LR, Popma JJ, Kramer DB and Yeh RW. Geographic Patterns of Growth for Transcatheter Aortic Valve Replacement in the United States. *Circulation*. 2019;140:969-971.
 26. Kundi H, **Wadhwa RK**, Strom JB, Valsdottir LR, Shen C, Kazi DS and Yeh RW. Association of Frailty With 30-Day Outcomes for Acute Myocardial Infarction, Heart Failure, and Pneumonia Among Elderly Adults. *JAMA Cardiol*. 2019;4:1084-1091.
 27. Wasfy JH, Bhambhani V, Healy EW, Choirat C, Dominici F, **Wadhwa RK**, Shen C, Wang Y and Yeh RW. Relative Effects of the Hospital Readmissions Reduction Program on Hospitals That Serve Poorer Patients. *Med Care*. 2019;57:968-976.

28. Anderson JD, **Wadhera RK** (*co-first authors*), Joynt Maddox KE, Wang Y, Shen C, Stevens JP and Yeh RW. Thirty-Day Spending and Outcomes for an Episode of Pneumonia Care Among Medicare Beneficiaries. *Chest*. 2019.
29. **Wadhera RK**, Khatana SAM, Choi E, Jiang G, Shen C, Yeh RW and Joynt Maddox KE. Disparities in Care and Mortality Among Homeless Adults Hospitalized for Cardiovascular Conditions. *JAMA Intern Med*. 2019.
30. **Wadhera RK**, Vaduganathan M, Jiang GY, Song Y, Xu J, Shen C, Bhatt DL, Yeh RW and Fonarow GC. Performance in Federal Value-Based Programs of Hospitals Recognized by the American Heart Association and American College of Cardiology for High-Quality Heart Failure and Acute Myocardial Infarction Care. *JAMA Cardiol*. 2020.
31. **Wadhera RK**, Wang Y, Figueroa JF, Dominici F, Yeh RW, Joynt Maddox KE. Mortality and Hospitalizations for Dually Enrolled and Nondually Enrolled Medicare Beneficiaries Aged 65 Years or Older, 2004 to 2017. *JAMA* 2020;323:961-9.
32. **Wadhera RK**, Bhatt DL, Kind AJH, Song Y, Williams KA, Maddox TM, Yeh RW, Dong L, Doros G, Turchin A and Joynt Maddox KE. Association of Outpatient Practice-Level Socioeconomic Disadvantage With Quality of Care and Outcomes Among Older Adults With Coronary Artery Disease: Implications for Value-Based Payment. *Circ Cardiovasc Qual Outcomes*. 2020;13:e005977.
- Presented at the American College of Cardiology Scientific Sessions (2019) as a Young Investigator Award finalist
33. Nathan AS, Xiang Q, Wojdyla D, Khatana SAM, Dayoub EJ, **Wadhera RK**, Bhatt DL, Kolansky DM, Kirtane AJ, Rao SV, Yeh RW, Groeneveld PW, Wang TY and Giri J. Performance of Hospitals When Assessing Disease-Based Mortality Compared With Procedural Mortality for Patients With Acute Myocardial Infarction. *JAMA Cardiol*. 2020.
34. **Wadhera RK**, Figueroa JF, Joynt Maddox KE, Rosenbaum LS, Kazi DS, Yeh RW. Quality Measure Development and Associated Spending by the Centers for Medicare & Medicaid Services. *JAMA*. 2020;323(16):1614-1616.
35. **Wadhera RK**, Wadhera P, Gaba P, Figueroa JF, Joynt Maddox KE, Yeh RW, et al. Variation in COVID-19 Hospitalizations and Deaths Across New York City Boroughs. *JAMA*. 2020.
- This study has been cited more than 550 times since publication in 2020
- Published in *JAMA* with an accompanying editorial: Williams DR, Cooper LA. COVID-19 and Health Equity—A New Kind of “Herd Immunity.” *JAMA*. 2020;323(24):2478–2480.
36. Khatana SAM, **Wadhera RK**, Choi E, Groeneveld PW, Culhane DP, Kushel M, et al. Association of Homelessness with Hospital Readmissions-an Analysis of Three Large States. *J Gen Intern Med*. 2020.
37. Holtzman JN, **Wadhera RK**, Choi E, Zhao T, Secemsky EA, Fraiche AM, et al. Trends in utilization and spending on remote monitoring of pacemakers and implantable cardioverter-defibrillators among Medicare beneficiaries. *Heart Rhythm*. 2020.
38. Joynt Maddox, KE, Bleser WK, Das SR, Desai NR, Ng-Osorio J, O'Brien E, Psootka MA, **Wadhera RK**, Weintraub WS, Konig, M. Value in Healthcare Initiative: Summary and Key

- Recommendations. *Circ Cardiovasc Qual Outcomes* **13**(7): e006612. 2020.
 - American Heart Association Statement on the Value in Healthcare Initiative
39. Huang K, Konig M, Psotka MA, **Wadhwa RK**, Joynt Maddox KE. Cardiovascular Patient Perspectives on Value in the Healthcare Experience. *Circ Cardiovasc Qual Outcomes*. 2020;13(6):e006617.
 40. Figueroa JF, **Wadhwa RK**, Papanicolas I, Riley K, Zheng J, Orav EJ, Jha AK. Association of Nursing Home Ratings on Health Inspections, Quality of Care, and Nurse Staffing With COVID-19 Cases. *JAMA*. 2020 Sep 15;324(11):1103-1105. PMID: 32790822; PMCID: PMC7418040.
 41. Figueroa JF, **Wadhwa RK** (*co-first authors*), Lee D, Yeh RW, Sommers BD. Community-Level Factors Associated With Racial And Ethnic Disparities In COVID-19 Rates In Massachusetts. *Health Aff (Millwood)*. 2020 Nov;39(11):1984-1992. Epub 2020 Aug 27. PMID: 32853056.
 - Study was featured in the Boston Globe: “New Study Confirms Staggering Racial Disparities in COVID-19 Cases in Massachusetts.” Dasia Moore. Aug 27, 2020.
 - Study was featured in a 7-minute NPR audio interview: “Harvard Researcher Discusses Why COVID-19 is Devastating Communities of Color.” Lulu Garcia-Navarro. Sept 6, 2020.
 42. Figueroa JF, **Wadhwa RK**, Frakt AB, Fonarow GC, Heidenreich PA, Xu H, Lytle B, DeVore AD, Matsouaka R, Yancy CW, Bhatt DL, Joynt Maddox KE. Quality of Care and Outcomes Among Medicare Advantage vs Fee-for-Service Medicare Patients Hospitalized With Heart Failure. *JAMA Cardiol*. 2020 Sep 2:e203638. PMID: 32876650; PMCID: PMC7489427.
 43. Sumarsono A, Buckley LF, Machado SR, **Wadhwa RK**, Warraich HJ, Desai RJ, Everett BM, McGuire DK, Fonarow GC, Butler J, Pandey A, Vaduganathan M. Medicaid Expansion and Utilization of Antihyperglycemic Therapies. *Diabetes Care*. 2020 Nov;43(11):2684-2690. Epub 2020 Sep 4. PMID: 32887711.
 44. Johnston KJ, Hockenberry JM, **Wadhwa RK**, Joynt Maddox KE. Clinicians With High Socially At-Risk Caseloads Received Reduced Merit-Based Incentive Payment System Scores. *Health Aff (Millwood)*. 2020 Sep;39(9):1504-1512. PMID: 32897781.
 45. Truong HP, Luke AA, Hammond G, **Wadhwa RK**, Reidhead M, Joynt Maddox KE. Utilization of Social Determinants of Health ICD-10 Z-Codes Among Hospitalized Patients in the United States, 2016-2017. *Med Care*. 2020 Sep 11. PMID: 32925453.
 46. **Wadhwa RK**, Maddox KEJ, Desai NR, Landon BE, Vaduganathan M, Gilstrap LG, Shen C, Yeh RW. Evaluation of Hospital Performance Using the Excess Days in Acute Care Measure in the Hospital Readmissions Reduction Program. *Ann Intern Med*. 2020 Oct 13. PMID: 33045180.
 47. Shen C, **Wadhwa RK**, Yeh RW. Misclassification of Hospital Performance Under the Hospital Readmissions Reduction Program: Implications for Value-Based Programs. *JAMA Cardiol*. 2020 Oct 14:e204746. PMID: 33052371; PMCID: PMC7557505.
 48. **Wadhwa RK**, Shen C, Gondi S, Chen S, Kazi DS, Yeh RW. Cardiovascular Deaths During the COVID-19 Pandemic in the United States. *J Am Coll Cardiol*. 2021 Jan 19;77(2):159-169. PMID: 33446309; PMCID: PMC7800141.
 - Published in JACC with an accompanying editorial: Young M, Iribarne A, Malenka D, et al. COVID-19 and Cardiovascular Health. *J Am Coll Cardiol*. 2021 Jan, 77 (2) 170–172.

49. Loccoh E*, Joynt Maddox KE, Xu J, Shen C, Figueroa JF, Kazi DS, Yeh RW, **Wadhera RK**. Rural-Urban Disparities In All-Cause Mortality Among Low-Income Medicare Beneficiaries, 2004-17. *Health Aff (Millwood)* 2021, 40:289-296.
- Presented at the Society of General Internal Medicine (SGIM) National Meeting (2019) and nominated for a Young Investigator Award
50. Dayoub EJ, Nathan AS, Khatana SAM, **Wadhera RK**, Kolansky DM, Yeh RW, Giri J, Groeneveld PW. Trends in Coded Indications for Percutaneous Coronary Interventions in Medicare and the Veterans Affairs After Implementation of Hospital-Level Reporting of Appropriate Use Criteria. *Circ Cardiovasc Qual Outcomes* 2021, 14:e006887.
51. Aggarwal R*, Chiu N, Loccoh EC, Kazi DS, Yeh RW, **Wadhera RK**. Rural-Urban Disparities: Diabetes, Hypertension, Heart Disease, and Stroke Mortality Among Black and White Adults, 1999-2018. *J Am Coll Cardiol*. 2021;77(11):1480-1481.
52. Aggarwal R*, Hammond JG, Joynt Maddox KE, Yeh RW, **Wadhera RK**. Association Between the Proportion of Black Patients Cared for at Hospitals and Financial Penalties Under Value-Based Payment Programs. *JAMA*. 2021;325(12):1219-1221.
53. **Wadhera RK**, Figueroa JF, Rodriguez F, et al. Racial and Ethnic Disparities in Heart and Cerebrovascular Disease Deaths During the COVID-19 Pandemic in the United States. *Circulation*. 2021;143(24):2346-2354.
- Highlighted in TIME Magazine piece: “The Pandemic Caused the Biggest Decline in U.S. Life Expectancy since World War 2. Black and Hispanic Americans Have Suffered the Most.” Liz Szabo. June 23, 2021.
54. Berman AN, Biery DW, Ginder C, Singh A, Baek J, **Wadhera RK**, Wu WY, Divakaran S, DeFilippis EM, Hainer J, et al. Association of Socioeconomic Disadvantage With Long-term Mortality After Myocardial Infarction: The Mass General Brigham YOUNG-MI Registry. *JAMA Cardiol* 2021.
55. **Wadhera RK**, Secemsky EA, Wang Y, Yeh RW, Goldhaber SZ. Association of Socioeconomic Disadvantage With Mortality and Readmissions Among Older Adults Hospitalized for Pulmonary Embolism in the United States. *J Am Heart Assoc*. 2021;10(13):e021117.
56. Gilstrap L, **Wadhera RK**, Austin AM, Kearing S, Joynt Maddox KE, Yeh RW. Association Between Diagnosis Code Expansion and Changes in 30-Day Risk-Adjusted Outcomes for Cardiovascular Diseases. *J Am Heart Assoc*. 2021;10(16):e020668.
57. Hermes Z*, Joynt Maddox KE, Yeh RW, Zhao Y, Shen C, **Wadhera RK**. Neighborhood Socioeconomic Disadvantage and Mortality Among Medicare Beneficiaries Hospitalized for Acute Myocardial Infarction, Heart Failure, and Pneumonia. *J Gen Intern Med*. 2021 Sep 10. doi: 10.1007/s11606-021-07090-z. Epub ahead of print. PMID: 34505979.
58. McCarthy CP, Kolte D, Kennedy KF, Pandey A, Raber I, Oseran A, **Wadhera RK**, Vaduganathan M, Januzzi JL Jr, Wasfy JH. Hospitalizations and Outcomes of T1MI Observed Before and After the Introduction of MI Subtype Codes. *J Am Coll Cardiol*. 2021 Sep 21;78(12):1242-1253. doi: 10.1016/j.jacc.2021.07.034. PMID: 34531025
59. Almarzooq ZI, **Wadhera RK**, Xu J, Yeh RW. Population Trends in Rates of Percutaneous Coronary Interventions, 2010 to 2017. *JAMA Cardiol*. 2021 Oct 1;6(10):1219-1220. doi:

- 10.1001/jamacardio.2021.2639. PMID: 34287615; PMCID: PMC8295893.
60. Aggarwal R, Chiu N, **Wadhera RK**, Moran AE, Raber I, Shen C, Yeh RW, Kazi DS. Racial/Ethnic Disparities in Hypertension Prevalence, Awareness, Treatment, and Control in the United States, 2013 to 2018. *Hypertension*. 2021 Dec;78(6):1719-1726.
 61. Liu M*, Figueroa JF, Song Y, **Wadhera RK**. Mortality and Postdischarge Acute Care Utilization for Cardiovascular Conditions at Safety-Net Versus Non-Safety-Net Hospitals. *J Am Coll Cardiol*. 2022 Jan 4;79(1):83-87. doi: 10.1016/j.jacc.2021.10.006. Epub 2021 Nov 8. PMID: 34763956; PMCID: PMC8741642.
 62. Locco EC*, Joynt Maddox KE, Wang Y, Kazi DS, Yeh RW, **Wadhera RK**. Rural-Urban Disparities in Outcomes of Myocardial Infarction, Heart Failure, and Stroke in the United States. *J Am Coll Cardiol*. 2022 Jan 25;79(3):267-279. doi: 10.1016/j.jacc.2021.10.045. PMID: 35057913; PMCID: PMC8958031.
 63. Shashikumar SA, Waken RJ, Aggarwal R, **Wadhera RK**, Joynt Maddox KE. Three-Year Impact Of Stratification In The Medicare Hospital Readmissions Reduction Program. *Health Aff (Millwood)*. 2022 Mar;41(3):375-382. doi: 10.1377/hlthaff.2021.01448. PMID: 35254934.
 64. Ahmed A*, Song Y, **Wadhera RK**. Racial/Ethnic Disparities in Delaying or Not Receiving Medical Care During the COVID-19 Pandemic. *J Gen Intern Med*. 2022 Apr;37(5):1341-1343. doi: 10.1007/s11606-022-07406-7. Epub 2022 Feb 8. PMID: 35137297; PMCID: PMC8971248.
 65. Liu M*, Richard L, Campitelli MA, Nisenbaum R, Dhalla IA, **Wadhera RK**, Shariff SZ, Hwang SW. Hospitalizations During the COVID-19 Pandemic Among Recently Homeless Individuals: a Retrospective Population-Based Matched Cohort Study. *J Gen Intern Med*. 2022 Apr 8:1–10. doi: 10.1007/s11606-022-07506-4. Epub ahead of print. PMID: 35396658; PMCID: PMC8992790.
 66. Aggarwal R, Bibbins-Domingo K, Yeh RW, Song Y, Chiu N, **Wadhera RK**, Shen C, Kazi DS. Diabetes Screening by Race and Ethnicity in the United States: Equivalent Body Mass Index and Age Thresholds. *Ann Intern Med*. 2022 May 10. doi: 10.7326/M20-8079. Epub ahead of print. PMID: 35533384
 67. Liu M*, Koh KA, Hwang SW, **Wadhera RK**. Mental Health and Substance Use Among Homeless Adolescents in the US. *JAMA*. 2022 May 10;327(18):1820-1822. doi: 10.1001/jama.2022.4422. PMID: 35536272; PMCID: PMC9092208.
 68. Liu M, Richard L, Campitelli MA, Nisenbaum R, Dosani N, Dhalla IA, **Wadhera RK**, Shariff SZ, Hwang SW. Drug Overdoses During the COVID-19 Pandemic Among Recently Homeless Individuals. *Addiction*. 2022 Jun;117(6):1692-1701. doi: 10.1111/add.15823. Epub 2022 Feb 14. PMID: 35129239; PMCID: PMC9111216.
 69. Latif Z, Makuvire T, Feder SL, **Wadhera RK**, Garan AR, Pinzon PQ, Warraich HJ. Challenges Facing Heart Failure Patients With Limited English Proficiency: A Qualitative Analysis Leveraging Interpreters' Perspectives. *JACC Heart Fail*. 2022 Jun;10(6):430-438. doi: 10.1016/j.jchf.2022.02.011. Epub 2022 Mar 21. PMID: 35370123.
 70. Oseran AS*, Sun T, **Wadhera RK**. Health Care Access and Management of Cardiovascular Risk Factors Among Working-Age Adults With Low Income by State Medicaid Expansion Status. *JAMA Cardiol*. 2022 Jun 1. doi: 10.1001/jamacardio.2022.1282. Epub ahead of print. PMID:

35648424.

71. Aggarwal R*, Gondi S*, **Wadhera RK**. Comparison of Medicare Advantage vs Traditional Medicare for Health Care Access, Affordability, and Use of Preventive Services Among Adults With Low Income. *JAMA Netw Open*. 2022 Jun 1;5(6):e2215227. doi: 10.1001/jamanetworkopen.2022.15227. PMID: 35671058
72. Warraich HJ*, Kumar P, Nasir K, Joynt Maddox KE, **Wadhera RK**. Political environment and mortality rates in the United States, 2001-19: population based cross sectional analysis. *BMJ*. 2022 Jun 7;377:e069308. doi: 10.1136/bmj-2021-069308. PMID: 35672032.
73. Essien UR, Tang Y, Figueroa JF, Litam TMA, Tang F, Jones PG, Patel R, Wadhera RK, Desai NR, Mehta SN, Kosiborod MN, Vaduganathan M. Diabetes Care Among Older Adults Enrolled in Medicare Advantage Versus Traditional Medicare Fee-For-Service Plans: The Diabetes Collaborative Registry. *Diabetes Care*. 2022 Jul 7;45(7):1549-1557.
74. Chiu N*, Aggarwal R, Song Y, **Wadhera RK**. Association of the Medicare Value-Based Purchasing Program With Changes in Patient Care Experience at Safety-net vs Non-Safety-net Hospitals. *JAMA Health Forum*. 2022 Jul 8;3(7):e221956.
- Featured as an author interview on the JAMA Health Forum Editors' Podcast
75. Oseran AS*, Ati S, Feldman WB, Gondi S, Yeh RW, **Wadhera RK**. Assessment of Prices for Cardiovascular Tests and Procedures at Top-Ranked US Hospitals. *JAMA Intern Med*. 2022 Jul 18:e222602. doi: 10.1001/jamainternmed.2022.2602. Epub ahead of print. PMID: 35849412; PMCID: PMC9295022.
76. Krawisz AK, Natesan S, **Wadhera RK**, Chen S, Song Y, Yeh RW, Jaff MR, Giri J, Julien H, Secemsky EA. Differences in Comorbidities Explain Black-White Disparities in Outcomes After Femoropopliteal Endovascular Intervention. *Circulation*. 2022 Jul 19;146(3):191-200. doi: 10.1161/CIRCULATIONAHA.122.058998. Epub 2022 Jun 13. PMID: 35695005; PMCID: PMC9308741.
77. Kyalwazi AN*, Loccoh EC, Brewer LC, Ofili EO, Xu J, Song Y, Joynt Maddox KE, Yeh RW, **Wadhera RK**. Disparities in Cardiovascular Mortality Between Black and White Adults in the United States, 1999 to 2019. *Circulation*. 2022 Jul 19;146(3):211-228. doi: 10.1161/CIRCULATIONAHA.122.060199. Epub 2022 Jul 18. PMID: 35861764; PMCID: PMC9310198.
- Featured study and author interview on the Circulation On The Run Podcast
78. Khullar D*, Tian W, **Wadhera RK**. High-Performing and Low-Performing Hospitals Across Medicare Value-Based Payment Programs. *JAMA Health Forum*. 2022 Jul 22;3(7):e221864. doi: 10.1001/jamahealthforum.2022.1864.
79. Islam SJ*, Malla G, Yeh RW, Quyyumi AA, Kazi DS, Tian W, Song Y, Nayak A, Mehta A, Ko YA, de Lemos JA, Rodriguez F, Goyal A, **Wadhera RK**. County-Level Social Vulnerability is Associated With In-Hospital Death and Major Adverse Cardiovascular Events in Patients Hospitalized With COVID-19: An Analysis of the American Heart Association COVID-19 Cardiovascular Disease Registry. *Circ Cardiovasc Qual Outcomes*. 2022 Aug;15(8):e008612. doi: 10.1161/CIRCOUTCOMES.121.008612. Epub 2022 Jul 18. PMID: 35862003.
80. Aggarwal R*, Bhatt DL, Rodriguez F, Yeh RW, **Wadhera RK**. Trends in Lipid Concentrations

- and Lipid Control Among US Adults, 2007-2018. *JAMA*. 2022 Aug 23;328(8):737-745. doi: 10.1001/jama.2022.12567. PMID: 35997731.
- Published in *JAMA* with an accompanying editorial: Florez H, Hunt KJ, Valencia WM. Reducing Disparities in Cholesterol Control. *JAMA*. 2022;328(8):714–716. doi:10.1001/jama.2022.13284
81. Park S, **Wadhwa RK**, Jung J. Effects of Medicare eligibility and enrollment at age 65 years on the use of high-value and low-value care. *Health Serv Res*. 2022 Sep 15. doi: 10.1111/1475-6773.14065. Epub ahead of print. PMID: 36106508.
 82. Oseran AS, Sun T, **Wadhwa RK**, Dahabreh IJ, de Lemos JA, Das SR, Rutan C, Asnani AH, Yeh RW, Kazi DS. Enriching the American Heart Association COVID-19 Cardiovascular Disease Registry Through Linkage With External Data Sources: Rationale and Design. *J Am Heart Assoc*. 2022 Sep 20;11(18):e7743. doi: 10.1161/JAHA.122.027094. Epub 2022 Sep 14. PMID: 36102226.
 83. Aggarwal R*, Yeh RW, Dahabreh IJ, Robertson, SE, **Wadhwa RK**. Medicare Eligibility and Healthcare Access, Affordability, and Financial Strain for Low- and Higher-Income Adults in the United States: A Regression Discontinuity Analysis. *PLOS Medicine*. 2022. Oct 4.
 84. Ganatra S, Dani SS, Kumar A, Khan SU, **Wadhwa RK**, Neilan TG, Thavendiranathan P, Barac A, Hermann J, Leja M, Deswal A, Fradley M, Liu JE, Sadler D, Asnani A, Baldassarre LA, Gupta D, Yang E, Guha A, Brown SA, Stevens J, Hayek SS, Porter C, Kalra A, Baron SJ, Ky B, Virani SS, Kazi D, Nasir K, Nohria A. Impact of Social Vulnerability on Comorbid Cancer and Cardiovascular Disease Mortality in the United States. *JACC CardioOncol*. 2022 Sep 20;4(3):326-337. doi: 10.1016/j.jacc.2022.06.005. PMID: 36213357; PMCID: PMC9537091
 85. Chiu N*, Aggarwal R, Hernandez I, **Wadhwa RK**, Dejong C, Tseng CW, Yeh RW, Kazi DS. Spending on Insulin by U.S. Payers and Patients From 2008 to 2017. *Diabetes Care*. 2022 Nov 1;45(11):e163-e164. doi: 10.2337/dc22-0054. PMID: 36041194
 86. Strom JB, Xu J, Sun T, Song Y, Sevilla-Cazes J, Almarzooq ZI, Markson LJ, **Wadhwa RK**, Yeh RW. Characterizing the Accuracy of *International Classification of Diseases, Tenth Revision* Administrative Claims for Aortic Valve Disease. *Circ Cardiovasc Qual Outcomes*. 2022 Oct;15(10):e009162. doi: 10.1161/CIRCOUTCOMES.122.009162. Epub 2022 Aug 27. PMID: 36029191; PMCID: PMC9588616.
 87. Liu M*, **Wadhwa RK**. Primary Care Physician Supply by County-Level Characteristics, 2010-2019. *JAMA*. 2022 Nov 15;328(19):1974-1977. doi: 10.1001/jama.2022.15106. PMID: 36378215; PMCID: PMC9667327.
 88. Kobo O, Abramov D, Fudim M, Sharma G, Bang V, Deshpande A, **Wadhwa RK**, Mamas MA. Has the first year of the COVID-19 pandemic reversed the trends in CV mortality between 1999-2019 in the United States? *Eur Heart J Qual Care Clin Outcomes*. 2022 Nov 28:qcac080. doi: 10.1093/ehjqcco/qcac080. Epub ahead of print. PMID: 36442154.
 89. Raja A*, **Wadhwa RK**, Choi E, Chen S, Shen C, Figueroa JF, Yeh RW, Secemsky EA. Association of Clinical Setting With Sociodemographics and Outcomes Following Endovascular Femoropopliteal Artery Revascularization in the United States. *Circ Cardiovasc Qual Outcomes*. 2022 Dec 6:e009199. doi: 10.1161/CIRCOUTCOMES.122.009199. Epub ahead of print. PMID: 36472193.
 90. Aggarwal R*, Yeh RW, Joynt Maddox KE, **Wadhwa RK**. Cardiovascular Risk Factor Prevalence,

Treatment, and Control in US Adults Aged 20 to 44 Years, 2009 to March 2020. *JAMA*. 2023 Mar 5:e232307. doi: 10.1001/jama.2023.2307. Epub ahead of print. PMID: 36871237; PMCID: PMC9986841.

- Published in *JAMA* with an accompanying editorial: Allen N, Wilkins JT. The Urgent Need to Refocus Cardiovascular Disease Prevention Efforts on Young Adults. *JAMA*. March 05, 2023.

91. *Oseran AS, **Wadhera RK**, Orav EJ, Figueroa JF. Effect of Medicare Advantage on Hospital Readmission and Mortality Rankings. *Ann Intern Med*. 2023 Apr;176(4):480-488. doi: 10.7326/M22-3165. Epub 2023 Mar 28. PMID: 36972544.
92. Narasimmaraj PR*, Oseran A, Tale A, Xu J, Essien UR, Kazi DS, Yeh RW, **Wadhera RK**. Out-of-Pocket Drug Costs for Medicare Beneficiaries With Cardiovascular Risk Factors Under the Inflation Reduction Act. *J Am Coll Cardiol*. 2023 Apr 18;81(15):1491-1501. doi: 10.1016/j.jacc.2023.02.002. Epub 2023 Feb 20. PMID: 37045519.
93. Diamond J*, Ayodele I, Fonarow GC, Joynt-Maddox KE, Yeh RW, Hammond G, Allen LA, Greene SJ, Chiswell K, DeVore AD, Yancy C, **Wadhera RK**. Quality of Care and Clinical Outcomes for Patients With Heart Failure at Hospitals Caring for a High Proportion of Black Adults: Get With The Guidelines-Heart Failure Registry. *JAMA Cardiol*. 2023 Jun 1;8(6):545-553. doi: 10.1001/jamacardio.2023.0695. PMID: 37074702; PMCID: PMC10116383.
94. Kazi DS, DeJong C, Chen R, **Wadhera RK**, Tseng CW. The Inflation Reduction Act and Out-of-Pocket Drug Costs for Medicare Beneficiaries With Cardiovascular Disease. *J Am Coll Cardiol*. 2023 May 30;81(21):2103-2111. doi: 10.1016/j.jacc.2023.03.414. PMID: 37225364
95. Essien UR, Singh B, Swabe G, Johnson AE, Eberly LA, **Wadhera RK**, Breathett K, Vaduganathan M, Magnani JW. Association of Prescription Co-payment With Adherence to Glucagon-Like Peptide-1 Receptor Agonist and Sodium-Glucose Cotransporter-2 Inhibitor Therapies in Patients With Heart Failure and Diabetes. *JAMA Netw Open*. 2023 Jun 1;6(6):e2316290. doi: 10.1001/jamanetworkopen.2023.16290. PMID: 37261826; PMCID: PMC10236237.
96. Oseran AS*, Dong H, **Wadhera RK**. Cardiovascular hospitalizations for Medicare advantage beneficiaries in the United States, 2009 to 2019. *Am Heart J*. 2023 Nov;265:77-82. doi: 10.1016/j.ahj.2023.07.002. Epub 2023 Jul 13. PMID: 37451356.
97. Oseran AS, Song Y, Xu J, Dahabreh IJ, **Wadhera RK**, de Lemos JA, Das SR, Sun T, Yeh RW, Kazi DS. Long term risk of death and readmission after hospital admission with covid-19 among older adults: retrospective cohort study. *BMJ*. 2023 Aug 9;382:e076222. doi: 10.1136/bmj-2023-076222. PMID: 37558240; PMCID: PMC10475839.
98. Park S, Kinsey EW, **Wadhera RK**. Effects of Medicare eligibility at age 65 years on affordability of care and food insecurity. *J Am Geriatr Soc*. 2023 Aug 18. doi: 10.1111/jgs.18560. Epub ahead of print. PMID: 37596713.
99. Averbuch T, Esfahani M, Khatib R, Kayima J, Miranda JJ, **Wadhera RK**, Zannad F, Pandey A, Van Spall HGC. Pharmaco-disparities in heart failure: a survey of the affordability of guideline recommended therapy in 10 countries. *ESC Heart Fail*. 2023 Oct;10(5):3152-3163. doi: 10.1002/ehf2.14468. Epub 2023 Aug 30. PMID: 37646297; PMCID: PMC10567666.
100. Jiang GY, Lee C, Kearing SA, Wadhera RK, Gavin MC, Wasfy JH, Zeitler EP. IV Diuresis in Alternative Treatment Settings for the Management of Heart Failure: Implications for Mortality,

Hospitalizations and Cost. *J Card Fail.* 2023 Sep 14;S1071-9164(23)00320-2. doi: 10.1016/j.cardfail.2023.07.017. Epub ahead of print. PMID: 37714260

101. Troy AL*, Xu J, **Wadhwa RK**. Access to Care and Cardiovascular Health in US Counties With Low Versus Higher Broadband Internet Availability. *Am J Cardiol.* 2023 Dec 15;209:190-192. doi: 10.1016/j.amjcard.2023.09.111. Epub 2023 Oct 20. PMID: 37871634
102. Marinacci LX*, Bartlett V, Zheng Z, Mein S, **Wadhwa RK**. Healthcare Access and Cardiovascular Risk Factor Management Among Working-Age US Adults During the Pandemic. *Circ Cardiovasc Qual Outcomes.* 2023 Nov 6. doi: 10.1161/CIRCOUTCOMES.123.010516. Epub ahead of print. PMID: 37929572
103. Henry CM*, Oseran AS, Zheng Z, Dong H, **Wadhwa RK**. Cardiovascular Hospitalizations and Mortality Among Adults Aged 25 to 64 years in the United States. *Eur Heart J.* 2023 Nov 11;ehad772. doi: 10.1093/eurheartj/ehad772. Epub ahead of print. PMID: 37952173
104. Liu M*, Patel VR, Salas RN, Rice MB, Kazi DS, Zheng Z, **Wadhwa RK**. Neighborhood Environmental Burden and Cardiovascular Health in the US. *JAMA Cardiol.* 2023 Nov 13:e234680. doi: 10.1001/jamacardio.2023.4680. Epub ahead of print. PMID: 37955891; PMCID: PMC10644252
105. Liu M*, Aggarwal R, Zheng Z, Yeh RW, Kazi DS, Joynt Maddox KE, **Wadhwa RK**. Cardiovascular Health of Middle-Aged U.S. Adults by Income Level, 1999 to March 2020 : A Serial Cross-Sectional Study. *Ann Intern Med.* 2023 Nov 21. doi: 10.7326/M23-2109. Epub ahead of print. PMID: 37983825.

Other peer-reviewed scholarship

106. **Wadhwa RK**, Rajkumar SV. The Prevalence of Monoclonal Gammopathy of Undetermined Significance: A Systematic Review. *Mayo Clinic Proceed.* October 2010 85(10):933-942.
107. **Wadhwa RK**, Russell CE, Piazza G. Warfarin versus Novel Oral Anticoagulants: How to Choose? *Circulation.* 2014. Nov 25; 130: 00-00.
108. Russell CE, **Wadhwa RK**, Piazza G. Mesenteric venous thrombosis. *Circulation.* 2015;131(18): 1599-1603.
109. **Wadhwa RK**, Piazza G. Treatment Options in Massive and Submassive Pulmonary Embolism. *Cardiol Rev* 2016;24:19-25.
110. Bhatia RS, Ivers N, Yin CX, Myers D, Nesbitt G, Edwards J, Yared K, **Wadhwa RK**, Wu JC, Wong B, Hansen M, Weinerman A, Shadowitz S, Johri A, Farkouh M, Thavendiranathan P, Udell JA, Rambihar S, Chow CM, Hall J, Thorpe KE, Rakowski H and Weiner RB. Design and methods of the Echo WISELY (Will Inappropriate Scenarios for Echocardiography Lessen Significantly) study: An investigator-blinded randomized controlled trial of education and feedback intervention to reduce inappropriate echocardiograms. *Am Heart J.* 2015;170:202-9.
111. **Wadhwa RK**, Steen DL, Khan I, Giugliano RP, Foody JM. A review of low-density lipoprotein cholesterol, treatment strategies, and its impact on cardiovascular disease morbidity and

- mortality. *J Clin Lipidol* 2016;10:472-89.
112. **Wadhwa RK**, Joynt KE. Insurance and Cardiovascular Health: Time for Evidence to Trump Politics. *Circulation*. 2017 May 23; 135(21):1988-1990. PMID: 28473447.
 113. **Wadhwa RK**, Bhatt DL. Taking the "Public" Out of Public Reporting of Percutaneous Coronary Intervention. *JAMA*. 2017 Oct 17; 318(15):1439-1440. PMID: 28973584.
 114. **Wadhwa RK**. Cardiovascular Medicine Amid Evolving Health Policy: Time to Train a Generation of Policy Leaders. *J Am Coll Cardiol*. 2017 Oct 24; 70(17):2201-2204. PMID: 29050568.
 115. **Wadhwa RK**, Anderson JD, Yeh RW. High-Risk Percutaneous Coronary Intervention in Public Reporting States: the Evidence, Exclusion of Critically Ill Patients, and Implications. *Curr Heart Fail Rep*. 2017 Dec; 14(6):514-518. PMID: 29101664.
 116. **Wadhwa RK**, Stewart GC, O'Gara PT. A 52-Year-Old Man With Unheralded Syncope. *JAMA Cardiol*. 2017 Dec 01; 2(12):1394-1395. PMID: 29049514.
 117. **Wadhwa RK**, Yeh RW, Joynt Maddox KE. The Rise and Fall of Mandatory Cardiac Bundled Payments. *JAMA*. 2018 01 23; 319(4):335-336. PMID: 29327034.
 118. **Wadhwa RK**, Joynt Maddox KE, Yeh RW, Bhatt DL. Public Reporting of Percutaneous Coronary Intervention Outcomes: Moving Beyond the Status Quo. *JAMA Cardiol*. 2018 Jul 01; 3(7):635-640. PMID: 29800962.
 119. Wang DE, **Wadhwa RK**, Bhatt DL. Public reporting of percutaneous coronary interventions. *Med J Aust*. 2018 Aug 06; 209(3):104-105. PMID: 30071811.
 120. **Wadhwa RK**, Joynt Maddox KE. Medicaid Expansion and In-Hospital Cardiovascular Mortality: Failure or Unrealistic Expectations? *JAMA Network Open*. 2018;1(4):e181303.
 121. **Wadhwa RK**, Yeh RW. Inadequate Surrogates for Imperfect Quality Measures. *Circ Cardiovasc Interv*. 2018 Sep; 11(9):e007216. PMID: 30354606.
 122. **Wadhwa RK**, Bhatt DL. Toward Precision Policy - The Case of Cardiovascular Care. *N Engl J Med*. 2018 Dec 06; 379(23):2193-2195. PMID: 30575456.
 123. **Wadhwa RK**, Yeh RW, Joynt Maddox KE. The Hospital Readmissions Reduction Program - Time for a Reboot. *N Engl J Med*. 2019;380(24):2289-2291.
 124. Figueroa JF, **Wadhwa RK**, Jha AK. Eliminating Wasteful Health Care Spending-Is the United States Simply Spinning Its Wheels? *JAMA Cardiol*. 2019.
 125. **Wadhwa RK**, Joynt Maddox KE, Yeh RW. CMS Quality Measure Development-Reply. *JAMA*. 2020 Sep 22;324(12):1214-1215. PMID: 32960235.
 126. Gondi S*, **Wadhwa RK**. Assessing Alternative Payment Models. *JAMA*. 2020 Nov 17;324(19):1997-1998. PMID: 33201197.

127. Karan A*, **Wadhwa RK**. Healthcare System Stress Due to Covid-19: Evading an Evolving Crisis. *J Hosp Med* 2021, 16:127.
128. Brethett K, Spatz ES, Kramer DB, Essien UR, **Wadhwa RK**, Peterson PN, Ho PM, Nallamotheu BK. The Groundwater of Racial and Ethnic Disparities Research: A Statement From Circulation Cardiovascular Quality and Outcomes. *Circ Cardiovasc Qual Outcomes* 2021, 14:e007868.
129. Goldsweig AM, Secemsky E, **Wadhwa RK**, Cohen DJ: Ordering from the bill instead of from the menu. *Catheter Cardiovasc Interv* 2021.
130. Oseran AS*, **Wadhwa RK**. Promise and Pitfalls of Paying-for-Performance: Learning From the Polish Experience. *Circ Cardiovasc Qual Outcomes*. 2021;14(8):e008273.
131. Oseran AS*, Wadhwa RK. Improving Quality Improvement-From Aspiration Toward Empiricism. *JAMA Cardiol*. 2022 Aug 10. doi: 10.1001/jamacardio.2022.2493. Epub ahead of print. PMID: 35947368.
132. Gondi S*, Joynt Maddox K, **Wadhwa RK**. "REACHing" for Equity - Moving from Regressive toward Progressive Value-Based Payment. *N Engl J Med*. 2022 Jul 14;387(2):97-99. doi: 10.1056/NEJMp2204749. Epub 2022 Jul 9. PMID: 35801977
- Featured author interview on NEJM Podcast
133. Figueroa JF, **Wadhwa RK**. A Decade of Observing the Hospital Readmission Reductions Program-Time to Retire an Ineffective Policy. *JAMA Netw Open*. 2022 Nov 1;5(11):e2242593. doi: 10.1001/jamanetworkopen.2022.42593. PMID: 36394876.
134. Sandhu S*, Liu M*, **Wadhwa RK**. Hospitals and Health Equity - Translating Measurement into Action. *N Engl J Med*. 2022 Dec 29;387(26):2395-2397. doi: 10.1056/NEJMp2211648. Epub 2022 Dec 24. PMID: 36573695.
135. Narasimmaraj PR*, **Wadhwa RK**. Heart Failure Readmissions: A Measure of Quality or Social Vulnerability? *JACC Heart Fail*. 2023 Jan;11(1):124-125. doi: 10.1016/j.jchf.2022.11.010. PMID: 36599539
136. *Oseran AS, **Wadhwa RK**. Price Transparency and Cardiovascular Spending: An Important but Incomplete First Step. *J Am Soc Echocardiogr*. 2023 Jun;36(6):578-580. doi: 10.1016/j.echo.2023.02.015. Epub 2023 Mar 29. PMID: 37002145.
137. **Wadhwa RK**, Dahabreh IJ. The US Health Equity Crisis-An Economic Case for a Moral Imperative? *JAMA*. 2023 May 16;329(19):1647-1649. doi: 10.1001/jama.2023.4018.
- Invited editorial to the following study: LaVeist TA, Pérez-Stable EJ, Richard P, et al. The Economic Burden of Racial, Ethnic, and Educational Health Inequities in the US. *JAMA*. 2023;329(19):1682–1692. doi:10.1001/jama.2023.5965
138. Sandhu AT, Heidenreich PA, Borden W, Farmer SA, Ho PM, Hammond G, Johnson JC, **Wadhwa RK**, Wasfy JH, Biga C, Takahashi E, Misra KD, Joynt Maddox KE; American Heart Association Advocacy Coordinating Committee. Value-Based Payment for Clinicians Treating Cardiovascular Disease: A Policy Statement From the American Heart Association. *Circulation*. 2023 Aug 8;148(6):543-563. doi: 10.1161/CIR.0000000000001143. Epub 2023 Jul 10. PMID:

37427456.

139. **Wadhera RK**, Watson KE, Carnethon MR. Advancing Cardiovascular Health Equity in the United States: Now That We Know, Where Do We Go Next? *Circulation*. 2023 Jul 18;148(3):197-198. doi: 10.1161/CIRCULATIONAHA.123.065971. Epub 2023 Jul 17. PMID: 37459411.
140. Kazi DS, **Wadhera RK**, Rome BN. The Inflation Reduction Act and Access to High-Cost Cardiovascular Therapies. *JAMA*. 2023 Nov 7;330(17):1619-1620. doi: 10.1001/jama.2023.19129. PMID: 37728949.
141. **Wadhera RK**. Value-Based Payment for Cardiovascular Care: Getting to the Heart of the Matter. *Circulation*. 2023 Oct 3;148(14):1084-1086. doi: 10.1161/CIRCULATIONAHA.123.065661. Epub 2023 Oct 2. PMID: 37782698; PMCID: PMC10593505.

Non-peer reviewed scholarship in print or other media

142. **Wadhera RK**, Bhatt DL. Public Reporting of Percutaneous Coronary Intervention Outcomes Done Differently-Leading From Washington-Reply. *JAMA Cardiol*. 2018 Nov 01; 3(11):1127-1128. PMID: 30267100.
143. Ferro EG, **Wadhera RK**, Yeh RW. Readmission Penalties: The Authors Reply. *Health Aff (Millwood)*. 2019;38(8):1410.
144. O'Brien CW, **Wadhera RK**, Yeh RW. Reply: Public Reporting for Cardiac Procedures: Is the Juice Worth the Squeeze? *J Am Coll Cardiol*. 2019;74(17):2219.
145. Figueroa JF, **Wadhera RK**. Medicaid Expansion And Preventable Hospitalizations. *Health Aff (Millwood)*. 2020;39(1):169.
146. **Wadhera RK**, Yeh RW, Joynt Maddox KE. Database Inaccuracies and Disparities in Care Among Homeless Adults Hospitalized for Cardiovascular Conditions-Reply. *JAMA Intern Med*. 2020;180(4):614-615.
147. Figueroa JF, **Wadhera RK**, Joynt Maddox K. Value of Discharging Heart Failure Patients Home-Reply. *JAMA Cardiol*. 2021;6(6):725-726.
148. Warraich HJ*, Kumar P, **Wadhera RK**. Authors' reply to Reed. *BMJ*. 2022 Jul 26;378:o1871. doi: 10.1136/bmj.o1871. PMID: 35882399.
149. Gondi S*, Joynt Maddox K, **Wadhera RK**. Accountable Care's Reach in Medicare. Reply. *N Engl J Med*. 2022 Oct 6;387(14):1340. doi: 10.1056/NEJMc2211025. PMID: 36198194.
150. Liu M*, **Wadhera RK**. Mental Health and Substance Use Among US Homeless Adolescents-Reply. *JAMA*. 2022 Sep 6;328(9):890. doi: 10.1001/jama.2022.11625. PMID: 36066522.
151. Aggarwal R*, **Wadhera RK**. Cardiovascular Risk Factor Prevalence, Treatment, and Control in US Adults-Reply. *JAMA*. 2023 Jul 25;330(4):379-380. doi: 10.1001/jama.2023.9007. PMID: 37490088.

Professional educational materials or reports, in print or other media:

Co-author of article for ACC.org with Dr. Gregory Piazza on the Cost-Effectiveness of LMWH vs. UFH for VTE Prophylaxis in Critically Ill Patients. December 2014.

Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings:

1. **Wadhera RK**, Joynt Maddox KE, Fonarow GC, X Zhao, Heidenreich PA, DeVore AD, Matsouaka RA, Hernandez AF, Yancy CW, Bhatt DL. Association of the Affordable Care Act's Medicaid Expansion with Care Quality and Outcomes for Low-Income Patients Hospitalized with Heart Failure. American Heart Association Quality of Care and Outcomes Scientific Sessions Meeting, April 2018. Arlington VA. (*AHA QCOR Young Investigator Finalist*)
2. **Wadhera RK**, Bhatt DL, Kind AJH, Song Y, Williams KA, Maddox TM, Yeh RW, Dong L, Doros G, Turchin A, Joynt Maddox KE. Association of Practice-Level Socioeconomic Disadvantage with Quality of Care and Clinical Outcomes for Patients with Coronary Artery Disease. American College of Cardiology Scientific Sessions, March 2019. New Orleans, LA. (*ACC Young Investigator Finalist*)
3. Aggarwal R, Yeh RW, **Wadhera RK**. Medicare Eligibility at Age 65 Years Leads to Improvements in Cardiovascular Health. American College of Cardiology Scientific Sessions, April 2022. Washington DC. (*ACC Young Investigator Finalist*)

Narrative Report

I am the Section Head of Health Policy and Equity at the Richard A. and Susan F. Smith Center for Outcomes Research, a cardiologist at Beth Israel Deaconess Medical Center (BIDMC), and the Associate Program Director of the Cardiovascular Medicine Fellowship at BIDMC. My investigational work has been devoted to understanding how health care policies can be used to improve cardiovascular quality, outcomes, and equity. This body of work has led to significant changes in cardiovascular research and care, including how health policies are developed, implemented, and evaluated, how federal programs assess and incentivize improvements in quality, and how both can be effectively used to advance cardiovascular health. I currently spend 70% of my time conducting clinical research and 30% of my time dedicated to clinical service and educational activities.

Area of Excellence – Investigation

My investigational activities focus on four inter-related domains as they pertain to cardiovascular care:

1) Health care policy evaluation, with a focus on the Affordable Care Act and value-based payment reform, 2) health insurance design and expansions, 3) quality assessment and improvement, and 4) cardiovascular disease epidemiology and inequities.

Health Policy Evaluation: My research has led to seminal contributions at the intersection of cardiology and health policy. In a series of studies published in JAMA, BMJ, and Annals of Internal Medicine, I showed that the Hospital Readmissions Reduction Program (HRRP) - a federal program implemented under the Affordable Care Act (ACA) – was associated with a concerning increase in heart failure deaths (JAMA 2018), and paradoxically, a nationwide increase in total 30-day hospital revisits among adults hospitalized for heart failure or myocardial infarction (BMJ 2019). This work attracted national attention, including two articles in the *New York Times*. In a piece published in New England Journal of Medicine (2019), I proposed ways to improve the HRRP, and more broadly, the Centers for Medicare and Medicaid Services (CMS) approach to value-based reform. These studies ultimately led CMS to assemble a group of experts to re-evaluate this national policy. My work has also examined the impact of other national programs, including the Value-Based Purchasing Program, Hospital Acquired Condition Reduction Program, and Merit Incentive-Based Payment System, on patient care experience, outcomes, and disparities (JAMA 2021, JAMA Health Forum 2022). In addition, I was the senior author on a series of research studies (working with mentees Rahul Aggarwal, Nicholas Chiu, and Zach Hermes) demonstrating that these federal programs are often regressive, and disproportionately penalize hospitals that tend to care for low-income and Black adults (JAMA 2021, JAMA Health Forum 2022), due in part to inadequate risk adjustment for social risk factors (JGIM 2022). More broadly, I have advocated for randomized

evaluations of federal health policies that aim to improve quality prior to widespread implementation (NEJM 2017) and described ways that value-based policies can be designed to promote health equity (NEJM 2022), recommendations that CMS has increasingly adopted. Given my expertise in health policy and cardiology, I have served as an expert writing group member of two American Heart Association Policy Statements on value in health care and payment reform, been asked to present my work directly to senior officials at CMS, and have also served as an advisor to the US Department of Health and Human Services.

Health Insurance Design and Expansion: Through the application of quasi-experimental methods for causal inference to national datasets, I have shown that the expansion of Medicaid coverage under the ACA led to significant reduction in uninsured cardiovascular hospitalizations, associated financial strain, and increased use of cardiovascular medications, providing key data that informed the national policy debate about Medicaid expansion shortly after the ACA was passed (JAMA Cardiology 2019, Circulation: CQO 2018). My recent work has shown that large gaps in health care access, as well as in the screening, monitoring, and treatment of cardiovascular risk factors remain for working-age adults (JAMA Cardiology 2022). Because policymakers are debating whether to lower the age eligibility for Medicare (from 65 to 60 years), I have performed studies that have shown that the expansion of Medicare could markedly improve health care access, affordability, and reduce financial strain for both low- and higher-income adults in the US, and also lead to reductions in the burden cardiovascular risk factors (PLOS Medicine 2022). I have also been the senior of a series of studies (working with mentees Rahul Aggarwal, Suhas Gondi, and Andrew Oseran) that have highlighted how the rapid growth of Medicare Advantage plans have influenced on out-of-pocket costs and financial strain for low-income patients (JAMA Network 2022), as well as those with cardiovascular disease (Circulation CQO, in press).

Quality Assessment and Improvement: I have evaluated state and federal initiatives (e.g. public reporting, national quality programs) that aim to assess quality of cardiovascular care (JAMA 2018, JAMA Cardiology 2018). My research has highlighted the large and growing number of quality measures and programs that clinicians and health systems have to deal with across payors in the value-based era (JAMA 2020), which can impose significant administrative and financial burden (JACC 2019). My work has also highlighted that federal quality programs, which rely on claims data, identify high quality cardiovascular care less reliably than more granular registry data from the ACC and AHA (JAMA Cardiology 2020). In part due to this body of work, CMS recently implemented the Meaning Measures 2.0 initiative, which aims to reduce the burden of quality measures, enhance alignment across payors, and promote the use of more granular measures.

Cardiovascular Disease Epidemiology and Disparities: Another area of significant research has focused on the cardiovascular health of socioeconomically disadvantaged, rural, and racial & ethnic minority communities. In a study of more than 71 million Medicare patients, I showed that the gaps in hospitalizations and mortality between low- and higher-income older adults did not narrow in the ACA-era (JAMA 2020). I have been the senior author of several studies (with mentees Ashley Kyalwazi, Rahul Aggarwal, Emefah Loccoh) showing a reduction in the gap in cardiovascular deaths between Black and White adults over 2 decades in the US (Circulation 2022), persistent racial/ethnic disparities in the prevalence of key cardiovascular risk factors (JAMA 2022), and widening disparities in diabetes and hypertension-related deaths between rural and urban parts of the country (JACC 2021). During the COVID-19 pandemic, I published one of the first studies showing that low-income and minority communities were disproportionately bearing the burden of the pandemic (JAMA 2020, >500 citations), and later showed that the pandemic's collateral effects led to a marked increase in heart disease and stroke deaths (JACC 2021), particularly for minority populations (Circulation 2021).

Overall, I have authored more than 130 peer-reviewed manuscripts, >80 as either first-author or senior corresponding author working with trainees. I am currently the PI of an R01 from the National Heart, Lung and Blood Institute (NHLBI) at the NIH, a K23 award from the NHLBI/NIH, and am a co-investigator on a U01 (NINR/NIH) and another R01 (NHLBI/NIH). I have been invited to be a Grand Rounds Speaker at institutions across the US and deliver plenary talks internationally, to moderate or speak at sessions during national cardiology and health policy conferences, and have presented my research directly to policymakers while also advising the US Department of Health and Human Services. I have been an expert writing member of American Heart Association (AHA) Policy Statements focused on value-based models in cardiology, helped develop national guidelines for disparities research now used across all AHA journals, and have also served on Technical Expert Panels that assess and improve quality measures used by CMS in federal programs. I am also a Senior

Associate Editor at Health Services Research Journal and am on the Editorial Board of Circulation: Cardiovascular Quality & Outcomes.

Teaching and Mentorship

As the Associate Program Director of the Cardiovascular Medicine Fellowship at BIDMC and as an attending on the inpatient and outpatient cardiology services, I work directly with and teach medical students, internal medicine residents, and cardiology fellows, and am a frequent faculty discussant for clinical case conferences and journal clubs. In my role as Associate Program Director, I have implemented a structured curriculum and formal didactic series that prepares cardiology fellows for their post-doctoral research years, grant applications (e.g., KL2, LaDue, K08/K23), and a career as a clinician-researcher.

As the Section Head of Health Policy and Equity at the Smith Center, I lead an independent research program and have served as the primary mentor for more than 20 medical students, residents, and fellows from all three Harvard teaching hospitals institutions across the US, including 3 recipients of the prestigious Sarnoff Cardiovascular Research Fellowship. My mentees have presented their work at national meetings, been selected for Young Investigator Finalist Awards at national meetings, received post-doctoral research grants, and published first-author work with my supervision in high-impact journals (JAMA, NEJM, Circulation, JAMA Internal Medicine). In addition, I helped develop and now served as Director of a fellowship program that recruits medical students from backgrounds underrepresented in medicine and provides financial support to pursue 1-year of dedicated research training at the Smith Center (Ashley Kyalwazi, HMS [2021-2022]; Chantal Henry, Meharry Medical College [2022-2023]). I developed and serve as co-director of a structured mentorship program within the Smith Center that was recently recognized with a Harvard Medical School Program Award for Culture of Excellence in Mentoring (PACEM). I also teach the Healthcare Quality and Equity course for Masters in Public Health students at the Harvard School of Public Health. In addition, I am a small group instructor for the Essentials of the Profession Health Policy course for first year medical students at Harvard.

Clinical Expertise

Clinically, I manage and treat patients with a broad range of cardiovascular conditions as non-invasive cardiologist at Beth Israel Deaconess Medical Center. I currently care for patients as an attending on the inpatient cardiology consult service, the inpatient general cardiology (Zoll) service, and the Cardiac direct access care unit.