

CURRICULUM VITAE

Rohan Khera, MD, MS

Version Date: 5/23/2023

Contact Information:

Address 195 Church Street
Fl 6th
New Haven, CT 06510
Phone: 1 (203) 497-1291
Email: rohan.khera@yale.edu

School: Yale School of Medicine

Education:

08/2006 - 12/2011 MD, All India Institute of Medical Sciences, New Delhi, DL
08/2016 - 12/2019 MS, UT Southwestern Medical Center, Dallas, TX

Career/Academic Appointments:

06/2013 - 06/2014 Internship, University of Iowa Carver College of Medicine, Iowa City, IA
07/2014 - 06/2016 Residency, Internal Medicine, University of Iowa Carver College of Medicine, Iowa City, IA
07/2016 - 06/2020 Fellowship, Cardiology, UT Southwestern Medical Center, Dallas, TX
07/2017 - 06/2019 Clinical Scholar, Clinical Sciences, UT Southwestern Medical Center, Dallas, TX
07/2020 - 06/2024 Assistant Professor, Cardiology (Medicine), Yale School of Medicine, New Haven, CT
07/2020 - Present Principal Investigator, Cardiovascular Data Science (CarDS) Lab, Yale School of Medicine, New Haven, CT
07/2022 - 06/2024 Assistant Professor, Biostatistics, Yale School of Medicine, New Haven, CT
02/2023 - 06/2023 Assistant Professor, Biomedical Informatics and Data Science, Yale School of Medicine, New Haven, CT

Administrative Positions:

2022 - Present Clinical Director, Center for Health Informatics and Analytics, YNHH/Yale Center for Outcomes Research Evaluation (CORE), Yale-New Haven Hospital, New Haven, CT

Board Certification:

2016 - 2022 AB of Internal Medicine, Internal Medicine
2020 - 2022 AB of Internal Medicine, Cardiovascular Disease

Professional Honors & Recognition:

International/National/Regional

2015 Alpha Omega Alpha Medical Honor Society
2015 Quality of Care Outcomes and Research (QCOR) Young Investigator Award, Finalist, American Heart Association
2018 Young Investigator Award, American Heart Association Resuscitation Science
2019 Young Investigator Award, American College of Cardiology
2021 Jeremiah Stamler Distinguished Young Investigator Research Award
2022 Clinical Scientist Development Award, Doris Duke Charitable Foundation
2023 Young Physician-Scientist Award, American Society for Clinical Investigation (ASCI)

Yale University/Yale School of Medicine/Hospital System

2023 Blavatnik Award, Blavatnik Family Fund

Other

2015 Francois M. Abboud Internal Medicine Research Award, University of Iowa Carver College of Medicine
2015 Outstanding Junior Resident in Internal Medicine, University of Iowa Carver College of Medicine

Grants/Clinical Trials History:

Current Grants

Agency: National Institutes of Health
I.D.#: 1K23HL153775
Title: Evaluating and Improving Utilization of Evidence-Based Medical Therapy in Patients with Heart Failure using Automated Tools in the Electronic Health Record
Role: Principal Investigator
Percent effort: N/A
Total costs: \$964,664.00
Project period: 04/01/2021 - 03/31/2026

Agency: Doris Duke Charitable Foundation
I.D.#: 2022060
Title: Doris Duke Charitable Foundation CSDA
Role: Principal Investigator
Percent effort: N/A

Total costs: \$495,000.00
Project period: 07/01/2022 - 06/30/2025

Pending Clinical Trials

Agency: Duke (Doris) Charitable Foundation, Inc.
I.D.#: 2000029973
Title: Deep Phenotypic Characterization of Cardiovascular Disease
P.I.: Rohan Khera
Role: Principal Investigator
Percent effort: N/A
Total costs: -
Project period: 02/11/2021 - ongoing

Invited Speaking Engagements, Presentations & Workshops Not Affiliated With Yale: International/National

1. "Personalizing Clinical Trial Interpretation Through Computational Phenomaps". Broad Institute of MIT and Harvard, Broad Institute Machine Learning for Health (ML4H) Seminar, ML4H Seminar, June 2021.
2. "Integrating Data From Health Tech Devices/Tools Into Clinical Workflow". American Heart Association, American Heart Association Scientific Sessions, AHA Virtual Scientific Sessions, 2021, November 2021.
3. "Biased Algorithms: Is AI Perpetuating Biases?". American Heart Association, American Heart Association Scientific Sessions, American Heart Association Virtual Scientific Sessions, November 2021.
4. "Future Direction on Integration of Evidence-based Practice and Health-informatics to Achieve Cardiovascular Quality and Outcomes". American Heart Association, American Heart Association Quality of Care and Outcomes Research Meeting, American Heart Association Quality of Care and Outcomes Research (QCOR) Meeting, November 2021.
5. "Personalizing Clinical Trial Interpretation Through Computational Phenomaps". University of Michigan, University of Michigan, MiCHAMP Big Data AI in Health Seminar Series, Virtual Presentation, December 2021.
6. "Innovation in Data Science and Transforming Cardiovascular Care". American Heart Association , American Heart Association QCOR, Reston, VA, May 2022.
7. "Use of AI to improve quality and cardiovascular outcomes". American College of Cardiology, ACC Applied Health Innovation Consortium Summit: AI Driven Tools, Washington, DC, October 2022.
8. "Building your team locally, nationally, and internationally – the academic perspective". American Heart Association , American Heart Association Scientific Sessions, Chicago, IL, November 2022.
9. "Outcome-Driven Augmented Intelligence in Healthcare". American Heart Association , American Heart Association Scientific Sessions, Chicago, IL, November 2022.
10. "Implementing Machine Learning for Precision Care: Crossing the Bridge to Reality". American Heart Association , American Heart Association Scientific Sessions, Chicago, IL, November 2022.
11. "Artificial Intelligence and Chest Pain". American College of Cardiology, American College of Cardiology Scientific Sessions, New Orleans, LA, March 2023.

12. "Leading Transformation in Cardiovascular Care: The Role of AI". American College of Cardiology, American College of Cardiology Scientific Sessions, New Orleans, LA, March 2023.
13. "Artificial Intelligence to Individualize Treatment Response in Hypertension". NHLBI, NHLBI Seminar on Transforming Hypertension Care with Artificial Intelligence, Hosted by the NHLBI, the virtual meeting brought together leading experts discussing, "Transforming Hypertension Diagnosis and Management in the Era of Artificial Intelligence" on March 29 and March 30, March 2023.

Regional

1. "Discovery and Portability of Precision Diagnostic and Treatment Strategies from Clinical Trials to the Real World". Department of Computational Medicine at UCLA, UCLA Research Frontiers in Biomathematics, Los Angeles, CA, October 2022.
2. "Leveraging Data Science for Innovation in Cardiovascular Care". Sunnybrook Research Institute (SRI), University of Toronto, Schulich Heart Program Grand Rounds, Toronto, ON, Canada, February 2023.

Professional Service:

Peer Review Groups/Grant Study Sections

2017 - Present	External Reviewer, American Heart Association Guidelines Statements
2018 - 2020	Board Member, American Heart Association/American College of Cardiology Task Force for Performance measures.
2021 - Present	Faculty Member, American Heart Association Data Science and Precision Medicine Science Subcommittee
2021 - Present	Member, American Heart Association QCOR Early Career Committee

Journal Services

Editorial boards

2023 - Present	Associate Editor, JAMA
----------------	------------------------

Reviewer

2016 - Present	Reviewer, Annals of Internal Medicine , Top Reviewer Recognition (2016, 2017)
2016 - Present	Reviewer, Circulation
2017 - Present	Reviewer, JAMA
2017 - Present	Reviewer, JAMA Cardiology
2017 - Present	Reviewer, Lancet Digital Health
2017 - Present	Reviewer, BMJ
2017 - Present	Reviewer, European Heart Journal
2017 - Present	Reviewer, Science Advances
2017 - Present	Reviewer, EHJ Digital Health
2017 - Present	Reviewer, Nature Communications
2017 - Present	Reviewer, JAMA Internal Medicine

2017 - Present	Reviewer, JAMA Health Forum
2017 - Present	Reviewer, JAMA Pediatrics
2017 - Present	Reviewer, JAMA Network Open
2017 - Present	Reviewer, Circulation: Cardiovascular Quality and Outcomes
2017 - Present	Reviewer, Circulation: Cardiovascular Interventions
2017 - Present	Reviewer, EHJ - Quality of Care and Clinical Outcomes
2017 - Present	Reviewer, BMJ Quality and Safety
2017 - Present	Reviewer, Health Affairs
2017 - Present	Reviewer, American Heart Journal
2017 - Present	Reviewer, American Journal of Cardiology
2017 - Present	Reviewer, Journal of the American Heart Association (JAHA)
2017 - Present	Reviewer, American Journal of Preventative Medicine
2017 - Present	Reviewer, British Medical Journal (BMJ) open
2017 - Present	Reviewer, Open Heart
2017 - Present	Reviewer, Journal of Cardiac Failure
2017 - Present	Reviewer, Canadian Journal of Cardiology
2017 - Present	Reviewer, BMC Cardiovascular Disorders
2017 - Present	Reviewer, Annals of Pediatric Cardiology
2017 - Present	Reviewer, Journal of General Internal Medicine
2017 - Present	Reviewer, Risk Management and Healthcare Policy
2017 - Present	Reviewer, Therapeutics and Clinical Risk Management
2017 - Present	Reviewer, Journal of Cardiovascular Pharmacology and Therapeutics
2017 - Present	Reviewer, Alimentary Pharmacology Therapeutics
2017 - Present	Reviewer, Hepatology
2018 - Present	Reviewer, The Lancet
2018 - Present	Reviewer, Journal of the American College of Cardiology

Professional Organizations

American College of Cardiology Digital Strategies Committee

2021 - 2022 Faculty Member, American College of Cardiology Digital Strategies Committee

American Heart Association Emergency Cardiovascular Committee

2017 - 2021 Member, American Heart Association Emergency Cardiovascular Committee

Patents:

Pending

1. **Khera Rohan**, Oikonomou Evangelos. 2021. Methods for neighborhood phenomapping for clinical trials. United States 63/177,117, filed April 20, 2021. Patent Pending.
2. **Khera Rohan**, Sangha Veer. 2022. Articles and methods for format independent detection of hidden cardiovascular disease from printed electrocardiographic images using deep learning. United States 63/346,610, filed May 27, 2022. Patent Pending.

3. **Khera Rohan**, Sangha Veer. 2023. Biometric contrastive learning for data-efficient deep learning from electrocardiographic images. United States 63/484,426, filed February 10, 2023. Patent Pending.
4. **Khera Rohan**, Akshay Khunte, Sangha Veer. 2022. Articles and methods for detection of hidden cardiovascular disease from portable electrocardiographic signal data using deep learning. United States 63/428,569, filed November 29, 2022. Patent Pending.

Bibliography:

Peer-Reviewed Original Research

1. **Khera R**, Das N. Complement Receptor 1: Disease associations and therapeutic implications Molecular Immunology 2008, 46: 761-772. [PMID: 19004497](#), [PMCID: PMC7125513](#), [DOI: 10.1016/j.molimm.2008.09.026](#).
2. **Khera R**, Jain S, Kumar L, Thulkar S, Vijayraghwan M, Dawar R. Diffuse large B-cell lymphoma: experience from a tertiary care center in north India Medical Oncology 2009, 27: 310-318. [PMID: 19350421](#), [DOI: 10.1007/s12032-009-9211-2](#).
3. Ramakrishnan S, **Khera R**, Jain S, Saxena A, Kailash S, Karthikeyan G, Kothari SS, Juneja R, Bhargava B, Kalaivani M, Mehta M, Bahl VK, Airan B. Gender differences in the utilisation of surgery for congenital heart disease in India Heart 2011, 97: 1920. [PMID: 21653217](#), [DOI: 10.1136/hrt.2011.224410](#).
4. Das N, Biswas B, **Khera R**. Membrane-Bound Complement Regulatory Proteins as Biomarkers and Potential Therapeutic Targets for SLE 2012, 735: 55-81. [PMID: 23402019](#), [DOI: 10.1007/978-1-4614-4118-2_4](#).
5. **Khera R**, Jain S, Lodha R, Ramakrishnan S. Gender bias in child care and child health: global patterns Archives Of Disease In Childhood 2013, 99: 369. [PMID: 24344176](#), [DOI: 10.1136/archdischild-2013-303889](#).
6. Jain S, **Khera R**, Corrales–Medina V, Townsend RR, Chirinos JA. “Inflammation and arterial stiffness in humans” Atherosclerosis 2014, 237: 381-390. [PMID: 25463062](#), [DOI: 10.1016/j.atherosclerosis.2014.09.011](#).
7. **Khera R**, Vaughan-Sarrazin M, Rosenthal GE, Girotra S. Racial Disparities in Outcomes After Cardiac Surgery: the Role of Hospital Quality Current Cardiology Reports 2015, 17: 29. [PMID: 25894800](#), [PMCID: PMC4780328](#), [DOI: 10.1007/s11886-015-0587-7](#).
8. **Khera R**, Cram P, Lu X, Vyas A, Gerke A, Rosenthal GE, Horwitz PA, Girotra S. Trends in the Use of Percutaneous Ventricular Assist Devices: Analysis of National Inpatient Sample Data, 2007 Through 2012 JAMA Internal Medicine 2015, 175: 941-950. [PMID: 25822170](#), [PMCID: PMC4780323](#), [DOI: 10.1001/jamainternmed.2014.7856](#).
9. Thirugnanasambandam N, **Khera R**, Wang H, Kukke SN, Hallett M. Distinct interneuronal networks influence excitability of the surround during movement initiation Journal Of Neurophysiology 2015, 114: 1102-1108. [PMID: 26041828](#), [PMCID: PMC4588516](#), [DOI: 10.1152/jn.00791.2014](#).
10. **Khera R**, Cram P, Girotra S. Letter by Khera et al Regarding Article, “Impact of Annual Operator and Institutional Volume on Percutaneous Coronary Intervention Outcomes Circulation 2015, 132: e35. [PMID: 26240269](#), [PMCID: PMC4617823](#), [DOI: 10.1161/circulationaha.114.013342](#).

11. Jain S, **Kherra R**. Herpes zoster ophthalmicus complicated by encephalitis Canadian Medical Association Journal 2015, 188: cmaj.150342. [PMID: 26350907](#), [PMCID: PMC4771550](#), [DOI: 10.1503/cmaj.150342](#).
12. Singh S, **Kherra R**, Allen AM, Murad MH, Loomba R. Comparative effectiveness of pharmacological interventions for nonalcoholic steatohepatitis: A systematic review and network meta-analysis Hepatology 2015, 62: 1417-1432. [PMID: 26189925](#), [DOI: 10.1002/hep.27999](#).
13. Steyers CM, **Kherra R**, Bhav P. Pacemaker Dependency after Cardiac Surgery: A Systematic Review of Current Evidence PLOS ONE 2015, 10: e0140340. [PMID: 26470027](#), [PMCID: PMC4607414](#), [DOI: 10.1371/journal.pone.0140340](#).
14. **Kherra R**, Cram P, Vaughan-Sarrazin M, Horwitz PA, Girotra S. Use of Mechanical Circulatory Support in Percutaneous Coronary Intervention in the United States The American Journal Of Cardiology 2015, 117: 10-16. [PMID: 26547292](#), [PMCID: PMC4690753](#), [DOI: 10.1016/j.amjcard.2015.10.005](#).
15. **Kherra R**, Light-McGroary K, Zahr F, Horwitz PA, Girotra S. Trends in hospitalization for takotsubo cardiomyopathy in the United States American Heart Journal 2015, 172: 53-63. [PMID: 26856216](#), [PMCID: PMC4748175](#), [DOI: 10.1016/j.ahj.2015.10.022](#).
16. Jain S, **Kherra R**, Suneja M, Gehlbach B, Kuperman E, Lopez F. Role of D-dimer Assays in the Diagnostic Evaluation of Pulmonary Embolism The American Journal Of The Medical Sciences 2015, 350: 501-507. [PMID: 25719981](#), [DOI: 10.1097/maj.0000000000000405](#).
17. Pandey A, **Kherra R**, Kumar N, Golwala H, Girotra S, Fonarow GC. Use of Pulmonary Artery Catheterization in US Patients With Heart Failure, 2001-2012 JAMA Internal Medicine 2016, 176: 1-4. [PMID: 26618346](#), [PMCID: PMC4780342](#), [DOI: 10.1001/jamainternmed.2015.6190](#).
18. Singh S, **Kherra R**, Murad MH, Loomba R. Reply Hepatology 2016, 64: 694-694. [PMID: 26690078](#), [DOI: 10.1002/hep.28412](#).
19. **Kherra R**, Girotra S. Response to “Higher mortality among males in takotsubo cardiomyopathy” American Heart Journal 2016, 176: e3. [PMID: 27264234](#), [DOI: 10.1016/j.ahj.2016.03.010](#).
20. Kumar N, Venkatraman A, Pandey A, **Kherra R**, Garg N. Weekend hospitalizations for acute aortic dissection have a higher risk of in-hospital mortality compared to weekday hospitalizations International Journal Of Cardiology 2016, 214: 448-450. [PMID: 27093682](#), [DOI: 10.1016/j.ijcard.2016.03.187](#).
21. **Kherra R**, Girotra S. Mechanical Circulatory Support and Rationale for Future Research—Reply JAMA Internal Medicine 2016, 176: 714-715. [PMID: 27136338](#), [DOI: 10.1001/jamainternmed.2016.0810](#).
22. **Kherra R**, Girotra S. Response to “the Use of Mechanical Support Devices in Percutaneous Coronary Interventions: the Controversy?” The American Journal Of Cardiology 2016, 120: e5. [PMID: 27269587](#), [DOI: 10.1016/j.amjcard.2016.05.001](#).
23. Kumar N, **Kherra R**, Pandey A, Garg N. Racial Differences in Outcomes after Acute Ischemic Stroke Hospitalization in the United States Journal Of Stroke And Cerebrovascular Diseases 2016, 25: 1970-1977. [PMID: 27212273](#), [DOI: 10.1016/j.jstrokecerebrovasdis.2016.03.049](#).
24. **Kherra R**, Murad MH, Chandar AK, Dulai PS, Wang Z, Prokop LJ, Loomba R, Camilleri M, Singh S. Association of Pharmacological Treatments for Obesity With Weight Loss and Adverse Events: A Systematic Review and Meta-analysis JAMA 2016, 315: 2424-2434. [PMID: 27299618](#), [PMCID: PMC5617638](#), [DOI: 10.1001/jama.2016.7602](#).

25. Kumar N, **Khara R**, Garg N. Atrial fibrillation associated hospitalizations in patients with end-stage renal disease in the United States, 2003–2012 *Heart Rhythm* 2016, 13: 2027-2033. [PMID: 27374238](#), [DOI: 10.1016/j.hrthm.2016.06.031](#).
26. Jain S, **Khara R**, Girotra S, Badesch D, Wang Z, Murad MH, Blevins A, Schmidt GA, Singh S, Gerke AK. Comparative Effectiveness of Pharmacologic Interventions for Pulmonary Arterial Hypertension A Systematic Review and Network Meta-Analysis *CHEST Journal* 2016, 151: 90-105. [PMID: 27615023](#), [PMCID: PMC5310124](#), [DOI: 10.1016/j.chest.2016.08.1461](#).
27. **Khara R**, Pandey A, Kumar N, Singh R, Bano S, Golwala H, Kumbhani DJ, Girotra S, Fonarow GC. Variation in Hospital Use and Outcomes Associated With Pulmonary Artery Catheterization in Heart Failure in the United States *Circulation Heart Failure* 2016, 9: e003226. [PMID: 27780836](#), [PMCID: PMC5123800](#), [DOI: 10.1161/circheartfailure.116.003226](#).
28. **Khara R**, Chan PS, Donnino M, Girotra S. Hospital Variation in Time to Epinephrine for Nonshockable In-Hospital Cardiac Arrest *Circulation* 2016, 134: 2105-2114. [PMID: 27908910](#), [PMCID: PMC5173427](#), [DOI: 10.1161/circulationaha.116.025459](#).
29. Dulai PS, Singh S, Marquez E, **Khara R**, Prokop LJ, Limburg PJ, Gupta S, Murad MH. Chemoprevention of colorectal cancer in individuals with previous colorectal neoplasia: systematic review and network meta-analysis *The BMJ* 2016, 355: i6188. [PMID: 27919915](#), [PMCID: PMC5137632](#), [DOI: 10.1136/bmj.i6188](#).
30. **Khara R**, Kumbhani DJ. Editorial Commentary: Deconstructing the dogma: Its time to untangle and reassess acute myocardial infarction care *Trends In Cardiovascular Medicine* 2017, 27: 492-493. [PMID: 28760376](#), [DOI: 10.1016/j.tcm.2017.06.010](#).
31. **Khara R**, Krumholz HM. With Great Power Comes Great Responsibility *Circulation Cardiovascular Quality And Outcomes* 2017, 10: e003846. [PMID: 28705865](#), [PMCID: PMC5728376](#), [DOI: 10.1161/circoutcomes.117.003846](#).
32. **Khara R**, Jain S, Pandey A, Agusala V, Kumbhani DJ, Das SR, Berry JD, de Lemos JA, Girotra S. Comparison of Readmission Rates After Acute Myocardial Infarction in 3 Patient Age Groups (18 to 44, 45 to 64, and ≥65 Years) in the United States *The American Journal Of Cardiology* 2017, 120: 1761-1767. [PMID: 28865892](#), [PMCID: PMC5825232](#), [DOI: 10.1016/j.amjcard.2017.07.081](#).
33. Cheeran D, Khan S, **Khara R**, Bhatt A, Garg S, Grodin JL, Morlond R, Araj FG, Amin AA, Thibodeau JT, Das S, Drazner MH, Mammen PPA. Predictors of Death in Adults With Duchenne Muscular Dystrophy–Associated Cardiomyopathy *Journal Of The American Heart Association* 2017, 6: e006340. [PMID: 29042427](#), [PMCID: PMC5721845](#), [DOI: 10.1161/jaha.117.006340](#).
34. Kumar N, **Khara R**, Garg N, Echouffo-Tcheugui JB, Venkatraman A, Pandey A, Bhatt DL. Comparison of Outcomes of Transcatheter Versus Surgical Aortic Valve Replacement in Patients With Chronic Kidney Disease *The American Journal Of Cardiology* 2017, 121: 343-348. [PMID: 29268936](#), [DOI: 10.1016/j.amjcard.2017.10.029](#).
35. **Khara R**, Spertus JA, Starks MA, Tang Y, Bradley SM, Girotra S, Chan PS. Administrative Codes for Capturing In-Hospital Cardiac Arrest *JAMA Cardiology* 2017, 2: 1275-1277. [PMID: 28877294](#), [PMCID: PMC5736791](#), [DOI: 10.1001/jamacardio.2017.2904](#).
36. **Khara R**, Pandey A, Ayers CR, Agusala V, Pruitt SL, Halm EA, Drazner MH, Das SR, de Lemos JA, Berry JD. Contemporary Epidemiology of Heart Failure in Fee-For-Service Medicare Beneficiaries Across Healthcare Settings *Circulation Heart Failure* 2017, 10: e004402. [PMID: 29129828](#), [PMCID: PMC6057614](#), [DOI: 10.1161/circheartfailure.117.004402](#).

37. **Khera R**, Hong JC, Saxena A, Arrieta A, Virani SS, Blankstein R, de Lemos JA, Krumholz HM, Nasir K. Burden of Catastrophic Health Expenditures for Acute Myocardial Infarction and Stroke Among Uninsured in the United States *Circulation* 2017, 137: 408-410. [PMID: 29133601](#), [PMCID: PMC5780190](#), [DOI: 10.1161/circulationaha.117.030128](#).
38. **Khera R**, Angraal S, Couch T, Welsh JW, Nallamothu BK, Girotra S, Chan PS, Krumholz HM. Adherence to Methodological Standards in Research Using the National Inpatient Sample *JAMA* 2017, 318: 2011-2018. [PMID: 29183077](#), [PMCID: PMC5742631](#), [DOI: 10.1001/jama.2017.17653](#).
39. **Khera R**, Pandey A. The heart failure readmission quagmire: taking a deep dive to find solutions *European Journal Of Heart Failure* 2017, 20: 315-316. [PMID: 29193571](#), [DOI: 10.1002/ejhf.1082](#).
40. Arrieta A, Hong JC, **Khera R**, Virani SS, Krumholz HM, Nasir K. Updated Cost-effectiveness Assessments of PCSK9 Inhibitors From the Perspectives of the Health System and Private Payers: Insights Derived From the FOURIER Trial *JAMA Cardiology* 2017, 2: 1369-1374. [PMID: 29049467](#), [PMCID: PMC5814995](#), [DOI: 10.1001/jamacardio.2017.3655](#).
41. **Khera R**, Pandey A, Koshy T, Ayers C, Nallamothu BK, Das SR, Drazner MH, Jessen ME, Kirtane AJ, Gardner TJ, de Lemos JA, Bhatt DL, Kumbhani DJ. Role of Hospital Volumes in Identifying Low-Performing and High-Performing Aortic and Mitral Valve Surgical Centers in the United States *JAMA Cardiology* 2017, 2: 1322-1331. [PMID: 29117319](#), [PMCID: PMC5815001](#), [DOI: 10.1001/jamacardio.2017.4003](#).
42. Valero-Elizondo J, Hong JC, Spatz ES, Salami JA, Desai NR, Rana JS, **Khera R**, Virani SS, Blankstein R, Blaha MJ, Nasir K. Persistent socioeconomic disparities in cardiovascular risk factors and health in the United States: Medical Expenditure Panel Survey 2002–2013 *Atherosclerosis* 2017, 269: 301-305. [PMID: 29254694](#), [DOI: 10.1016/j.atherosclerosis.2017.12.014](#).
43. **Khera R**, Pandey A, Chandar AK, Murad MH, Prokop LJ, Neeland IJ, Berry JD, Camilleri M, Singh S. Effects of Weight-Loss Medications on Cardiometabolic Risk Profiles: A Systematic Review and Network Meta-analysis *Gastroenterology* 2018, 154: 1309-1319.e7. [PMID: 29305933](#), [PMCID: PMC5880739](#), [DOI: 10.1053/j.gastro.2017.12.024](#).
44. Rubens M, Saxena A, Ramamoorthy V, **Khera R**, Hong J, Veledar E, Nasir K. Trends in Diabetes-Related Preventable Hospitalizations in the U.S., 2005–2014 *Diabetes Care* 2018, 41: dc171942. [PMID: 29378777](#), [DOI: 10.2337/dc17-1942](#).
45. Pandey A, **Khera R**, Park B, Haykowsky M, Borlaug BA, Lewis GD, Kitzman DW, Butler J, Berry JD. Relative Impairments in Hemodynamic Exercise Reserve Parameters in Heart Failure With Preserved Ejection Fraction A Study-Level Pooled Analysis *JACC Heart Failure* 2018, 6: 117-126. [PMID: 29413366](#), [PMCID: PMC8135913](#), [DOI: 10.1016/j.jchf.2017.10.014](#).
46. Nguyen NH, **Khera R**, Ohno-Machado L, Sandborn WJ, Singh S. Annual Burden and Costs of Hospitalization for High-Need, High-Cost Patients With Chronic Gastrointestinal and Liver Diseases *Clinical Gastroenterology And Hepatology* 2018, 16: 1284-1292.e30. [PMID: 29474966](#), [PMCID: PMC6056327](#), [DOI: 10.1016/j.cgh.2018.02.015](#).
47. Warraich H, Salami J, **Khera R**, Okunrintemi V, Nasir K. EXCESS NATIONAL US EXPENDITURES ASSOCIATED WITH LIPITOR USE AFTER INTRODUCTION OF GENERIC ATORVASTATIN: INSIGHTS FROM THE MEDICAL EXPENDITURES PANEL SURVEY, 2012-2014 *Journal Of The American College Of Cardiology* 2018, 71: a1764. [DOI: 10.1016/s0735-1097\(18\)32305-2](#).
48. **Khera R**, Horwitz LI, Lin Z, Krumholz HM. Publicly Reported Readmission Measures and the Hospital Readmissions Reduction Program: A False Equivalence? *Annals Of Internal Medicine* 2018, 168: 670-671. [PMID: 29582081](#), [PMCID: PMC8325174](#), [DOI: 10.7326/m18-0536](#).

49. Wang S, **Khera R**, Das SR, Vigen R, Wang T, Luo X, Lu R, Zhan X, Xiao G, Vongpatanasin W, Xie Y. Usefulness of a Simple Algorithm to Identify Hypertensive Patients Who Benefit from Intensive Blood Pressure Lowering The American Journal Of Cardiology 2018, 122: 248-254. [PMID: 29880288](#), [DOI: 10.1016/j.amjcard.2018.03.361](#).
50. Warraich HJ, Salami JA, **Khera R**, Valero-Elizondo J, Okunrintemi V, Nasir K. Trends in Use and Expenditures of Brand-name Atorvastatin After Introduction of Generic Atorvastatin JAMA Internal Medicine 2018, 178: 719-721. [PMID: 29525818](#), [PMCID: PMC5885171](#), [DOI: 10.1001/jamainternmed.2018.0990](#).
51. **Khera R**, Dharmarajan K, Krumholz HM. Rising Mortality in Patients With Heart Failure in the United States Facts Versus Fiction JACC Heart Failure 2018, 6: 610-612. [PMID: 29914774](#), [DOI: 10.1016/j.jchf.2018.02.011](#).
52. **Khera R**, Dorsey KB, Krumholz HM. Transition to the ICD-10 in the United States: An Emerging Data Chasm JAMA 2018, 320: 133-134. [PMID: 29868861](#), [DOI: 10.1001/jama.2018.6823](#).
53. **Khera R**, Lu Y, Lu J, Saxena A, Nasir K, Jiang L, Krumholz HM. Impact of 2017 ACC/AHA guidelines on prevalence of hypertension and eligibility for antihypertensive treatment in United States and China: nationally representative cross sectional study The BMJ 2018, 362: k2357. [PMID: 29997129](#), [PMCID: PMC6039831](#), [DOI: 10.1136/bmj.k2357](#).
54. Angraal S, **Khera R**, Wang Y, Lu Y, Jean R, Dreyer RP, Geirsson A, Desai NR, Krumholz HM. Sex and Race Differences in the Utilization and Outcomes of Coronary Artery Bypass Grafting Among Medicare Beneficiaries, 1999–2014 Journal Of The American Heart Association 2018, 7: e009014. [PMID: 30005557](#), [PMCID: PMC6064835](#), [DOI: 10.1161/jaha.118.009014](#).
55. **Khera R**, Valero-Elizondo J, Okunrintemi V, Saxena A, Das SR, de Lemos JA, Krumholz HM, Nasir K. Association of Out-of-Pocket Annual Health Expenditures With Financial Hardship in Low-Income Adults With Atherosclerotic Cardiovascular Disease in the United States JAMA Cardiology 2018, 3: 729-738. [PMID: 29971325](#), [PMCID: PMC6143078](#), [DOI: 10.1001/jamacardio.2018.1813](#).
56. Kumar N, **Khera R**, Fonarow GC, Bhatt DL. Comparison of Outcomes of Transfemoral Versus Transapical Approach for Transcatheter Aortic Valve Implantation The American Journal Of Cardiology 2018, 122: 1520-1526. [PMID: 30190074](#), [DOI: 10.1016/j.amjcard.2018.07.025](#).
57. Rubens M, Saxena A, Ramamoorthy V, Das S, **Khera R**, Hong J, Armaignac D, Veledar E, Nasir K, Gidel L. Increasing Sepsis Rates in the United States: Results From National Inpatient Sample, 2005 to 2014 Journal Of Intensive Care Medicine 2018, 35: 858-868. [PMID: 30175649](#), [DOI: 10.1177/0885066618794136](#).
58. **Khera R**, Dharmarajan K, Wang Y, Lin Z, Bernheim SM, Wang Y, Normand ST, Krumholz HM. Association of the Hospital Readmissions Reduction Program With Mortality During and After Hospitalization for Acute Myocardial Infarction, Heart Failure, and Pneumonia JAMA Network Open 2018, 1: e182777. [PMID: 30646181](#), [PMCID: PMC6324473](#), [DOI: 10.1001/jamanetworkopen.2018.2777](#).
59. Angraal S, **Khera R**, Zhou S, Wang Y, Lin Z, Dharmarajan K, Desai NR, Bernheim SM, Drye EE, Nasir K, Horwitz LI, Krumholz HM. Trends in 30-Day Readmission Rates for Medicare and Non-Medicare Patients in the Era of the Affordable Care Act The American Journal Of Medicine 2018, 131: 1324-1331.e14. [PMID: 30016636](#), [PMCID: PMC6380174](#), [DOI: 10.1016/j.amjmed.2018.06.013](#).
60. Jain S, **Khera R**, Mortensen EM, Weessler JC. Readmissions of adults within three age groups following hospitalization for pneumonia: Analysis from the Nationwide Readmissions Database

- PLOS ONE 2018, 13: e0203375. [PMID: 30212485](#), [PMCID: PMC6136736](#), [DOI: 10.1371/journal.pone.0203375](#).
61. **Khera R**, CarlLee S, Blevins A, Schweizer M, Girotra S. Early coronary angiography and survival after out-of-hospital cardiac arrest: a systematic review and meta-analysis *Open Heart* 2018, 5: e000809. [PMID: 30402255](#), [PMCID: PMC6203043](#), [DOI: 10.1136/openhrt-2018-000809](#).
 62. **Khera R**, Humbert A, Leroux B, Nichol G, Kudenchuk P, Scales D, Baker A, Austin M, Newgard CD, Radecki R, Vilke GM, Sawyer KN, Sopko G, Idris AH, Wang H, Chan PS, Kurz MC. Hospital Variation in the Utilization and Implementation of Targeted Temperature Management in Out-of-Hospital Cardiac Arrest *Circulation Cardiovascular Quality And Outcomes* 2018, 11: e004829. [PMID: 30571336](#), [DOI: 10.1161/circoutcomes.118.004829](#).
 63. Mody P, Brown SP, Kudenchuk PJ, Chan PS, **Khera R**, Ayers C, Pandey A, Kern K, de Lemos JA, Link MS, Idris AH. Intraosseous versus intravenous access in patients with out-of-hospital cardiac arrest: Insights from the resuscitation outcomes consortium continuous chest compression trial *Resuscitation* 2018, 134: 69-75. [PMID: 30391366](#), [DOI: 10.1016/j.resuscitation.2018.10.031](#).
 64. Annapureddy A, Valero-Elizondo J, **Khera R**, Grandhi GR, Spatz ES, Dreyer RP, Desai NR, Krumholz HM, Nasir K. Association Between Financial Burden, Quality of Life, and Mental Health Among Those With Atherosclerotic Cardiovascular Disease in the United States *Circulation Cardiovascular Quality And Outcomes* 2018, 11: e005180. [PMID: 30571331](#), [DOI: 10.1161/circoutcomes.118.005180](#).
 65. **Khera R**, Pandey A, Link MS, Sulistio MS. Managing Implantable Cardioverter-Defibrillators at End-of-Life: Practical Challenges and Care Considerations *The American Journal Of The Medical Sciences* 2018, 357: 143-150. [PMID: 30665495](#), [DOI: 10.1016/j.amjms.2018.11.016](#).
 66. **Khera R**, Krumholz HM. Effects of the Hospital Readmissions Reduction Program *Circulation Cardiovascular Quality And Outcomes* 2018, 11: e005083. [PMID: 30562071](#), [DOI: 10.1161/circoutcomes.118.005083](#).
 67. Huo X, **Khera R**, Zhang L, Herrin J, Bai X, Wang Q, Lu Y, Nasir K, Hu S, Li J, Li X, Zheng X, Masoudi FA, Spertus JA, Krumholz HM, Jiang L. Education level and outcomes after acute myocardial infarction in China *Heart* 2019, 105: 946. [PMID: 30661037](#), [PMCID: PMC6582708](#), [DOI: 10.1136/heartjnl-2018-313752](#).
 68. Valero-Elizondo J, **Khera R**, Saxena A, Grandhi GR, Virani SS, Butler J, Samad Z, Desai NR, Krumholz HM, Nasir K. Financial Hardship From Medical Bills Among Nonelderly U.S. Adults With Atherosclerotic Cardiovascular Disease *Journal Of The American College Of Cardiology* 2019, 73: 727-732. [PMID: 30765039](#), [DOI: 10.1016/j.jacc.2018.12.004](#).
 69. Okunrintemi V, **Khera R**, Spatz ES, Salami JA, Valero-Elizondo J, Warraich HJ, Virani SS, Blankstein R, Blaha MJ, Pawlik TM, Dharmarajan K, Krumholz HM, Nasir K. Association of Income Disparities with Patient-Reported Healthcare Experience *Journal Of General Internal Medicine* 2019, 34: 884-892. [PMID: 30783877](#), [PMCID: PMC6544715](#), [DOI: 10.1007/s11606-019-04848-4](#).
 70. **Khera R**, Tang Y, Link MS, Krumholz HM, Girotra S, Chan PS. Association Between Hospital Recognition for Resuscitation Guideline Adherence and Rates of Survival for In-Hospital Cardiac Arrest *Circulation Cardiovascular Quality And Outcomes* 2019, 12: e005429. [PMID: 30871337](#), [PMCID: PMC6592630](#), [DOI: 10.1161/circoutcomes.118.005429](#).
 71. Ball S, Brown TJ, Das A, **Khera R**, Khanna S, Gupta A. Effect of Neutropenic Diet on Infection Rates in Cancer Patients With Neutropenia *American Journal Of Clinical Oncology* 2019, 42: 270-274. [PMID: 30628912](#), [DOI: 10.1097/coc.0000000000000514](#).

72. Angraal S, Gupta A, **Kherra R**, Nasir K, Desai NR. Association of access to exercise opportunities and cardiovascular mortality American Heart Journal 2019, 212: 152-156. [PMID: 31051426](#), [DOI: 10.1016/j.ahj.2019.02.010](#).
73. DeZorzi C, Boyle B, Qazi A, Luthra K, **Kherra R**, Chan PS, Girotra S. Administrative Billing Codes for Identifying Patients With Cardiac Arrest Journal Of The American College Of Cardiology 2019, 73: 1598-1600. [PMID: 30922482](#), [PMCID: PMC6625314](#), [DOI: 10.1016/j.jacc.2019.01.030](#).
74. **Kherra R**, Tang Y, Girotra S, Nadkarni VM, Link MS, Raymond TT, Guerguerian AM, Berg RA, Chan PS, Investigators F. Pulselessness After Initiation of Cardiopulmonary Resuscitation for Bradycardia in Hospitalized Children Circulation 2019, 140: 370-378. [PMID: 31006260](#), [PMCID: PMC6663562](#), [DOI: 10.1161/circulationaha.118.039048](#).
75. Mody P, Kulkarni N, **Kherra R**, Link MS. Targeted temperature management for cardiac arrest Progress In Cardiovascular Diseases 2019, 62: 272-278. [PMID: 31078561](#), [DOI: 10.1016/j.pcad.2019.05.007](#).
76. Hong JC, Yang GK, Delarmente BA, **Kherra R**, Price J, Faulds J, Chen JC. Cost-minimization study of the percutaneous approach to endovascular aortic aneurysm repair Journal Of Vascular Surgery 2019, 71: 444-449. [PMID: 31176637](#), [DOI: 10.1016/j.jvs.2019.03.040](#).
77. Agusala V, **Kherra R**, Cheeran D, Mody P, Reddy PP, Link MS. Diagnostic and prognostic utility of cardiac troponin in post-cardiac arrest care Resuscitation 2019, 141: 69-72. [PMID: 31201884](#), [DOI: 10.1016/j.resuscitation.2019.06.004](#).
78. **Kherra R**, Wang Y, Nasir K, Lin Z, Krumholz HM. Evaluation of 30-Day Hospital Readmission and Mortality Rates Using Regression-Discontinuity Framework Journal Of The American College Of Cardiology 2019, 74: 219-234. [PMID: 31296295](#), [PMCID: PMC8669780](#), [DOI: 10.1016/j.jacc.2019.04.060](#).
79. Miller PE, Guha A, **Kherra R**, Chouairi F, Ahmad T, Nasir K, Addison D, Desai NR. National Trends in Healthcare-Associated Infections for Five Common Cardiovascular Conditions The American Journal Of Cardiology 2019, 124: 1140-1148. [PMID: 31371062](#), [PMCID: PMC7883647](#), [DOI: 10.1016/j.amjcard.2019.06.029](#).
80. Mahajan S, Gu J, Lu Y, **Kherra R**, Spatz ES, Zhang M, Sun N, Zheng X, Zhao H, Lu H, Ma ZJ, Krumholz HM. Hemodynamic Phenotypes of Hypertension Based on Cardiac Output and Systemic Vascular Resistance The American Journal Of Medicine 2019, 133: e127-e139. [PMID: 31525336](#), [DOI: 10.1016/j.amjmed.2019.08.042](#).
81. Angraal S, Mortazavi BJ, Gupta A, **Kherra R**, Ahmad T, Desai NR, Jacoby DL, Masoudi FA, Spertus JA, Krumholz HM. Machine Learning Prediction of Mortality and Hospitalization in Heart Failure With Preserved Ejection Fraction JACC Heart Failure 2019, 8: 12-21. [PMID: 31606361](#), [DOI: 10.1016/j.jchf.2019.06.013](#).
82. **Kherra R**, Valero-Elizondo J, Das SR, Virani SS, Kash BA, de Lemos JA, Krumholz HM, Nasir K. Cost-Related Medication Nonadherence in Adults With Atherosclerotic Cardiovascular Disease in the United States, 2013 to 2017 Circulation 2019, 140: 2067-2075. [PMID: 31760784](#), [DOI: 10.1161/circulationaha.119.041974](#).
83. Mahajan S, Valero-Elizondo J, **Kherra R**, Desai NR, Blankstein R, Blaha MJ, Virani SS, Kash BA, Zoghbi WA, Krumholz HM, Nasir K. Variation and Disparities in Awareness of Myocardial Infarction Symptoms Among Adults in the United States JAMA Network Open 2019, 2: e1917885. [PMID: 31851350](#), [PMCID: PMC6991230](#), [DOI: 10.1001/jamanetworkopen.2019.17885](#).

84. **Khera R**, Wang Y, Bernheim SM, Lin Z, Krumholz HM. Post-discharge acute care and outcomes following readmission reduction initiatives: national retrospective cohort study of Medicare beneficiaries in the United States *The BMJ* 2020, 368: l6831. [PMID: 31941686](#), [PMCID: PMC7190056](#), [DOI: 10.1136/bmj.l6831](#).
85. Ko DT, **Khera R**, Lau G, Qiu F, Wang Y, Austin PC, Koh M, Lin Z, Lee DS, Wijeyesundera HC, Krumholz HM. Readmission and Mortality After Hospitalization for Myocardial Infarction and Heart Failure *Journal Of The American College Of Cardiology* 2020, 75: 736-746. [PMID: 32081282](#), [DOI: 10.1016/j.jacc.2019.12.026](#).
86. Pandey A, Keshvani N, **Khera R**, Lu D, Vaduganathan M, Maddox K, Das SR, Kumbhani DJ, Goyal A, Girotra S, Chan P, Fonarow GC, Matsouaka R, Wang TY, de Lemos JA. Temporal Trends in Racial Differences in 30-Day Readmission and Mortality Rates After Acute Myocardial Infarction Among Medicare Beneficiaries *JAMA Cardiology* 2020, 5: 136-145. [PMID: 31913411](#), [PMCID: PMC6990949](#), [DOI: 10.1001/jamacardio.2019.4845](#).
87. Caraballo C, Valero-Elizondo J, **Khera R**, Mahajan S, Grandhi GR, Virani SS, Mszar R, Krumholz HM, Nasir K. Burden and Consequences of Financial Hardship From Medical Bills Among Nonelderly Adults With Diabetes Mellitus in the United States *Circulation Cardiovascular Quality And Outcomes* 2020, 13: e006139. [PMID: 32069093](#), [DOI: 10.1161/circoutcomes.119.006139](#).
88. **Khera R**, Dhingra LS, Jain S, Krumholz H. An Evaluation of the Vulnerable Physician Workforce in the United States During the Coronavirus Disease-19 Pandemic. *MedRxiv : The Preprint Server For Health Sciences* 2020 [PMID: 32511623](#), [PMCID: PMC7276050](#), [DOI: 10.1101/2020.03.26.20044263](#).
89. **Khera R**, Jain S, Lin Z, Ross JS, Krumholz H. Evaluation of the Anticipated Burden of COVID-19 on Hospital-Based Healthcare Services Across the United States. *MedRxiv : The Preprint Server For Health Sciences* 2020 [PMID: 32511584](#), [PMCID: PMC7276011](#), [DOI: 10.1101/2020.04.01.20050492](#).
90. Jain S, **Khera R**, Lin Z, Ross JS, Krumholz HM. Availability of Telemedicine Services Across Hospitals in the United States in 2018: A Cross-sectional Study *Annals Of Internal Medicine* 2020, 173: m20-1201. [PMID: 32353106](#), [PMCID: PMC7212823](#), [DOI: 10.7326/m20-1201](#).
91. **Khera R**, Girotra S. Cerebral Embolic Protection Devices in Transcatheter Aortic Valve Replacement—Effective in Stroke Prevention? *JAMA Internal Medicine* 2020, 180: 785-786. [PMID: 32091530](#), [DOI: 10.1001/jamainternmed.2019.6763](#).
92. Mszar R, Grandhi GR, Valero-Elizondo J, Caraballo C, **Khera R**, Desai N, Virani SS, Blankstein R, Blaha MJ, Nasir K. Cumulative Burden of Financial Hardship From Medical Bills Across the Spectrum of Diabetes Mellitus and Atherosclerotic Cardiovascular Disease Among Non-Elderly Adults in the United States *Journal Of The American Heart Association* 2020, 9: e015523. [PMID: 32394783](#), [PMCID: PMC7660844](#), [DOI: 10.1161/jaha.119.015523](#).
93. **Khera R**, Clark C, Lu Y, Guo Y, Ren S, Truax B, Spatz ES, Murugiah K, Lin Z, Omer SB, Vojta D, Krumholz HM. Association of Angiotensin-Converting Enzyme Inhibitors and Angiotensin Receptor Blockers with the Risk of Hospitalization and Death in Hypertensive Patients with Coronavirus Disease-19. *MedRxiv : The Preprint Server For Health Sciences* 2020 [PMID: 32511481](#), [PMCID: PMC7273249](#), [DOI: 10.1101/2020.05.17.20104943](#).
94. Grandhi GR, Valero-Elizondo J, Mszar R, Brandt EJ, Annapureddy A, **Khera R**, Saxena A, Virani SS, Blankstein R, Desai NR, Blaha MJ, Cheema FH, Vahidy FS, Nasir K. Association of cardiovascular risk factor profile and financial hardship from medical bills among non-elderly adults in the United States *American Journal Of Preventive Cardiology* 2020, 2: 100034. [PMID: 34327457](#), [PMCID: PMC8315456](#), [DOI: 10.1016/j.ajpc.2020.100034](#).

95. **Khara R**, Dhingra LS, Jain S, Krumholz HM. An Evaluation of the Vulnerable Physician Workforce in the USA During the Coronavirus Disease-19 Pandemic *Journal Of General Internal Medicine* 2020, 35: 3114-3116. [PMID: 32495101](#), [PMCID: PMC7269617](#), [DOI: 10.1007/s11606-020-05854-7](#).
96. Nguyen NH, **Khara R**, Ohno-Machado L, Sandborn WJ, Singh S. Prevalence and Effects of Food Insecurity and Social Support on Financial Toxicity in and Healthcare Use by Patients With Inflammatory Bowel Diseases *Clinical Gastroenterology And Hepatology* 2020, 19: 1377-1386.e5. [PMID: 32526341](#), [PMCID: PMC7987215](#), [DOI: 10.1016/j.cgh.2020.05.056](#).
97. Caraballo C, **Khara R**, Jones PG, Decker C, Schulz W, Spertus JA, Krumholz HM. Rates and Predictors of Patient Underreporting of Hospitalizations During Follow-Up After Acute Myocardial Infarction *Circulation Cardiovascular Quality And Outcomes* 2020, 13: e006231. [PMID: 32552061](#), [PMCID: PMC9465954](#), [DOI: 10.1161/circoutcomes.119.006231](#).
98. O'Neill KM, Jean RA, Gross CP, Becher RD, **Khara R**, Elizondo JV, Nasir K. Financial Hardship After Traumatic Injury: Risk Factors and Drivers of Out-of-Pocket Health Expenses *Journal Of Surgical Research* 2020, 256: 1-12. [PMID: 32663705](#), [DOI: 10.1016/j.jss.2020.05.095](#).
99. Murugiah K, Annapureddy AR, **Khara R**, Lansky A, Curtis JP. Characteristics of cardiac catheterization laboratory directors at the 2017 U.S. News World Report top 100 U.S. cardiovascular hospitals *Catheterization And Cardiovascular Interventions* 2020, 97: e624-e626. [PMID: 32833350](#), [DOI: 10.1002/ccd.29217](#).
100. **Khara R**, Valero-Elizondo J, Nasir K. Financial Toxicity in Atherosclerotic Cardiovascular Disease in the United States: Current State and Future Directions *Journal Of The American Heart Association* 2020, 9: e017793. [PMID: 32924728](#), [PMCID: PMC7792407](#), [DOI: 10.1161/jaha.120.017793](#).
101. Martinez-Amezcuca P, Haque W, **Khara R**, Kanaya AM, Sattar N, Lam CSP, Harikrishnan S, Shah SJ, Kandula NR, Jose PO, Narayan KMV, Agyemang C, Misra A, Jenum AK, Bilal U, Nasir K, Cainzos-Achirica M. The Upcoming Epidemic of Heart Failure in South Asia *Circulation Heart Failure* 2020, 13: e007218. [PMID: 32962410](#), [DOI: 10.1161/circheartfailure.120.007218](#).
102. **Khara R**, Secemsky EA, Wang Y, Desai NR, Krumholz HM, Maddox TM, Shunk KA, Virani SS, Bhatt DL, Curtis J, Yeh RW. Revascularization Practices and Outcomes in Patients With Multivessel Coronary Artery Disease Who Presented With Acute Myocardial Infarction and Cardiogenic Shock in the US, 2009-2018 *JAMA Internal Medicine* 2020, 180: 1317-1327. [PMID: 32833024](#), [PMCID: PMC9377424](#), [DOI: 10.1001/jamainternmed.2020.3276](#).
103. **Khara R**, Kondamudi N, Zhong L, Vaduganathan M, Parker J, Das SR, Grodin JL, Halm EA, Berry JD, Pandey A. Temporal Trends in Heart Failure Incidence Among Medicare Beneficiaries Across Risk Factor Strata, 2011 to 2016 *JAMA Network Open* 2020, 3: e2022190. [PMID: 33095250](#), [PMCID: PMC7584929](#), [DOI: 10.1001/jamanetworkopen.2020.22190](#).
104. **Khara R**, Pandey A, Ayers CR, Carnethon MR, Greenland P, Ndumele CE, Nambi V, Seliger SL, Chaves PHM, Safford MM, Cushman M, Xanthakis V, Ramachandran V, Mentz RJ, Correa A, Lloyd-Jones DM, Berry JD, de Lemos JA, Neeland IJ. Performance of the Pooled Cohort Equations to Estimate Atherosclerotic Cardiovascular Disease Risk by Body Mass Index *JAMA Network Open* 2020, 3: e2023242. [PMID: 33119108](#), [PMCID: PMC7596579](#), [DOI: 10.1001/jamanetworkopen.2020.23242](#).
105. Mori M, Wang Y, Murugiah K, **Khara R**, Gupta A, Vallabhajosyula P, Masoudi FA, Geirsson A, Krumholz HM. Trends in Reoperative Coronary Artery Bypass Graft Surgery for Older Adults in the United States, 1998 to 2017 *Journal Of The American Heart Association* 2020, 9: e016980. [PMID: 33045889](#), [PMCID: PMC7763387](#), [DOI: 10.1161/jaha.120.016980](#).

106. Nguyen NH, **Kherra R**, Dulai PS, Boland BS, Ohno-Machado L, Sandborn WJ, Singh S. National Estimates of Financial Hardship From Medical Bills and Cost-related Medication Nonadherence in Patients With Inflammatory Bowel Diseases in the United States. *Inflammatory Bowel Diseases* 2020, 27: 1068-1078. [PMID: 33051681](#), [PMCID: PMC8205631](#), [DOI: 10.1093/ibd/izaa266](#).
107. Mszar R, Mahajan S, Valero-Elizondo J, Yahya T, Sharma R, Grandhi GR, **Kherra R**, Virani SS, Lichtman J, Khan SU, Cainzos-Achirica M, Vahidy FS, Krumholz HM, Nasir K. Association Between Sociodemographic Determinants and Disparities in Stroke Symptom Awareness Among US Young Adults *Stroke* 2020, 51: 3552-3561. [PMID: 33100188](#), [DOI: 10.1161/strokeaha.120.031137](#).
108. Hendren NS, de Lemos JA, Ayers C, Das SR, Rao A, Carter S, Rosenblatt A, Walchok J, Omar W, **Kherra R**, Hegde AA, Drazner MH, Neeland IJ, Grodin JL. Association of Body Mass Index and Age With Morbidity and Mortality in Patients Hospitalized With COVID-19 *Circulation* 2020, 143: 135-144. [PMID: 33200947](#), [DOI: 10.1161/circulationaha.120.051936](#).
109. Angraal S, Zachariah AG, Raaisa R, **Kherra R**, Rao P, Krumholz HM, Spertus JA. Evaluation of Internet-Based Crowdsourced Fundraising to Cover Health Care Costs in the United States *JAMA Network Open* 2021, 4: e2033157. [PMID: 33427882](#), [PMCID: PMC7801937](#), [DOI: 10.1001/jamanetworkopen.2020.33157](#).
110. **Kherra R**, Clark C, Lu Y, Guo Y, Ren S, Truax B, Spatz ES, Murugiah K, Lin Z, Omer SB, Vojta D, Krumholz HM. Association of Angiotensin-Converting Enzyme Inhibitors and Angiotensin Receptor Blockers with the Risk of Hospitalization and Death in Hypertensive Patients with Coronavirus Disease-19 *Journal Of The American Heart Association* 2021, 10: e018086. [PMID: 33624516](#), [PMCID: PMC8403305](#), [DOI: 10.1161/jaha.120.018086](#).
111. Yang DX, **Kherra R**, Miccio JA, Jairam V, Chang E, Yu JB, Park HS, Krumholz HM, Aneja S. Prevalence of Missing Data in the National Cancer Database and Association With Overall Survival *JAMA Network Open* 2021, 4: e211793. [PMID: 33755165](#), [PMCID: PMC7988369](#), [DOI: 10.1001/jamanetworkopen.2021.1793](#).
112. Rosario K, Mehta A, Ayers C, Gonzalez P, Pandey A, **Kherra R**, Kaplan R, Blaha MJ, Kherra A, Blumenthal RS, Nasir K, Rodriguez CJ, Joshi PH. Performance of the Pooled Cohort Equations in Hispanic Individuals Across the United States: Insights From the Multi-Ethnic Study of Atherosclerosis and the Dallas Heart Study *Journal Of The American Heart Association* 2021, 10: e018410. [PMID: 33870702](#), [PMCID: PMC8200750](#), [DOI: 10.1161/jaha.120.018410](#).
113. Kunitomo Y, Thomas A, Chouairi F, Canavan ME, Kochar A, **Kherra R**, Katz JN, Murphy C, Jentzer J, Ahmad T, Desai NR, Brennan J, Miller PE. Electronic health record risk score provides earlier prognostication of clinical outcomes in patients admitted to the cardiac intensive care unit *American Heart Journal* 2021, 238: 85-88. [PMID: 33891906](#), [DOI: 10.1016/j.ahj.2021.04.004](#).
114. Oikonomou EK, Van Dijk D, Parise H, Suchard MA, de Lemos J, Antoniadis C, Velazquez EJ, Miller EJ, **Kherra R**. A phenomapping-derived tool to personalize the selection of anatomical vs. functional testing in evaluating chest pain (ASSIST). *European Heart Journal* 2021, 42: 2536-2548. [PMID: 33881513](#), [PMCID: PMC8488385](#), [DOI: 10.1093/eurheartj/ehab223](#).
115. Secemsky EA, Butala N, Raja A, **Kherra R**, Wang Y, Curtis JP, Maddox TM, Virani SS, Armstrong EJ, Shunk KA, Brindis RG, Bhatt D, Yeh RW. Temporal Changes and Institutional Variation in Use of Percutaneous Coronary Intervention for ST-Elevation Myocardial Infarction With Multivessel Coronary Artery Disease in the United States *JAMA Cardiology* 2021, 6: 574-580. [PMID: 33146666](#), [PMCID: PMC7643043](#), [DOI: 10.1001/jamacardio.2020.5354](#).

116. Slavin SD, **Khara R**, Zafar SY, Nasir K, Warraich HJ. Financial burden, distress, and toxicity in cardiovascular disease American Heart Journal 2021, 238: 75-84. [PMID: 33961830](#), [DOI: 10.1016/j.ahj.2021.04.011](#).
117. Gupta A, Premnath N, Sedhom R, Beg MS, **Khara R**, Laheru DA, Dusetzina SB. Projected 30- day out-of-pocket costs and total spending on pancreatic enzyme replacement therapy under Medicare Part D Pancreatology 2021, 21: 1009-1010. [PMID: 34006458](#), [DOI: 10.1016/j.pan.2021.05.002](#).
118. **Khara R**, Mortazavi BJ, Sangha V, Warner F, Young HP, Ross JS, Shah ND, Theel ES, Jenkinson WG, Knepper C, Wang K, Peaper D, Martinello RA, Brandt CA, Lin Z, Ko AI, Krumholz HM, Pollock BD, Schulz WL. Accuracy of Computable Phenotyping Approaches for SARS-CoV-2 Infection and COVID-19 Hospitalizations from the Electronic Health Record. MedRxiv : The Preprint Server For Health Sciences 2021 [PMID: 34013299](#), [PMCID: PMC8132274](#), [DOI: 10.1101/2021.03.16.21253770](#).
119. Nargesi AA, Jeyashanmugaraja GP, Desai N, Lipska K, Krumholz H, **Khara R**. Contemporary National Patterns of Eligibility and Utilization of Novel Cardioprotective Anti-hyperglycemic agents in Type 2 Diabetes Journal Of The American Heart Association 2021, 10: e021084. [PMID: 33998258](#), [PMCID: PMC8403287](#), [DOI: 10.1161/jaha.121.021084](#).
120. Wang SY, Valero-Elizondo J, Ali H, Pandey A, Cainzos-Achirica M, Krumholz HM, Nasir K, **Khara R**. Out-of-pocket Annual Health Expenditures and Financial Toxicity from Healthcare Costs in Patients with Heart Failure in the United States Journal Of The American Heart Association 2021, 10: e022164. [PMID: 33998273](#), [PMCID: PMC8483501](#), [DOI: 10.1161/jaha.121.022164](#).
121. **Khara R**, Haimovich J, Hurley NC, McNamara R, Spertus JA, Desai N, Rumsfeld JS, Masoudi FA, Huang C, Normand SL, Mortazavi BJ, Krumholz HM. Use of Machine Learning Models to Predict Death After Acute Myocardial Infarction JAMA Cardiology 2021, 6: 633-641. [PMID: 33688915](#), [PMCID: PMC7948114](#), [DOI: 10.1001/jamacardio.2021.0122](#).
122. Lago-Hernandez C, Nguyen NH, **Khara R**, Loomba R, Asrani SK, Singh S. Financial Hardship From Medical Bills Among Adults With Chronic Liver Diseases: National Estimates From the United States Hepatology 2021, 74: 1509-1522. [PMID: 33772833](#), [DOI: 10.1002/hep.31835](#).
123. Rao A, Ranka S, Ayers C, Hendren N, Rosenblatt A, Alger HM, Rutan C, Omar W, **Khara R**, Gupta K, Mody P, DeFilippi C, Das SR, Hedayati SS, de Lemos JA. Association of Kidney Disease With Outcomes in COVID-19: Results From the American Heart Association COVID-19 Cardiovascular Disease Registry Journal Of The American Heart Association 2021, 10: e020910. [PMID: 34107743](#), [PMCID: PMC8477855](#), [DOI: 10.1161/jaha.121.020910](#).
124. Lago-Hernandez C, Nguyen NH, **Khara R**, Loomba R, Asrani SK, Singh S. Cost-Related Nonadherence to Medications Among US Adults With Chronic Liver Diseases Mayo Clinic Proceedings 2021, 96: 2639-2650. [PMID: 34120754](#), [PMCID: PMC8492496](#), [DOI: 10.1016/j.mayocp.2021.02.026](#).
125. Valero-Elizondo J, Chouairi F, **Khara R**, Grandhi GR, Saxena A, Warraich HJ, Virani SS, Desai NR, Sasangohar F, Krumholz HM, Esnaola NF, Nasir K. Atherosclerotic Cardiovascular Disease, Cancer, and Financial Toxicity Among Adults in the United States JACC CardioOncology 2021, 3: 236-246. [PMID: 34396329](#), [PMCID: PMC8352280](#), [DOI: 10.1016/j.jacc.2021.02.006](#).
126. Acquah I, Valero-Elizondo J, Javed Z, Ibrahim HN, Patel KV, Ryoo Ali HJ, Menser T, **Khara R**, Cainzos-Achirica M, Nasir K. Financial Hardship Among Nonelderly Adults With CKD in the United States American Journal Of Kidney Diseases 2021, 78: 658-668. [PMID: 34144103](#), [DOI: 10.1053/j.ajkd.2021.04.011](#).
127. Bradley SM, Emmons-Bell S, Mutharasan RK, Rodriguez F, Gupta D, Roth G, Gluckman TJ, Shah RU, Wang TY, **Khara R**, Peterson PN, Das S. Repeated cross-sectional analysis of hydroxychloroquine

- deimplementation in the AHA COVID-19 CVD Registry Scientific Reports 2021, 11: 15097. [PMID: 34302004](#), [PMCID: PMC8302649](#), [DOI: 10.1038/s41598-021-94203-7](#).
128. Huo Z, Zhang L, **Kherra R**, Huang S, Qian X, Wang Z, Mortazavi B. Sparse Gated Mixture-of-Experts to Separate and Interpret Patient Heterogeneity in EHR data 2021, 00: 1-4. [DOI: 10.1109/bhi50953.2021.9508549](#).
 129. **Kherra R**, Liu Y, de Lemos JA, Das SR, Pandey A, Omar W, Kumbhani DJ, Girotra S, Yeh RW, Rutan C, Walchok J, Lin Z, Bradley SM, Velazquez EJ, Churchwell KB, Nallamothu BK, Krumholz HM, Curtis JP. Association of COVID-19 Hospitalization Volume and Case Growth at US Hospitals with Patient Outcomes The American Journal Of Medicine 2021, 134: 1380-1388.e3. [PMID: 34343515](#), [PMCID: PMC8325555](#), [DOI: 10.1016/j.amjmed.2021.06.034](#).
 130. Secemsky EA, Butala N, Raja A, **Kherra R**, Wang Y, Curtis JP, Maddox TM, Virani SS, Armstrong EJ, Shunk KA, Brindis RG, Bhatt D, Yeh RW. Comparative Outcomes of Percutaneous Coronary Intervention for ST-Segment–Elevation Myocardial Infarction Among Medicare Beneficiaries With Multivessel Coronary Artery Disease: An National Cardiovascular Data Registry Research to Practice Project Circulation Cardiovascular Interventions 2021, 14: e010323. [PMID: 34372676](#), [PMCID: PMC8485756](#), [DOI: 10.1161/circinterventions.120.010323](#).
 131. Thomas A, Valero-Elizondo J, **Kherra R**, Warraich HJ, Reinhardt SW, Ali HJ, Nasir K, Desai NR. Forgone Medical Care Associated With Increased Health Care Costs Among the U.S. Heart Failure Population JACC Heart Failure 2021, 9: 710-719. [PMID: 34391737](#), [DOI: 10.1016/j.jchf.2021.05.010](#).
 132. Mahajan S, Grandhi GR, Valero-Elizondo J, Mszar R, **Kherra R**, Acquah I, Yahya T, Virani SS, Blankstein R, Blaha MJ, Cainzos-Achirica M, Nasir K. Scope and Social Determinants of Food Insecurity Among Adults With Atherosclerotic Cardiovascular Disease in the United States Journal Of The American Heart Association 2021, 10: e020028. [PMID: 34387089](#), [PMCID: PMC8475063](#), [DOI: 10.1161/jaha.120.020028](#).
 133. Prasanna S, Premnath N, Angraal S, Sedhom R, **Kherra R**, Parsons H, Hussaini S, Johnson P, Lou E, Beg M, Subbiah I, Rao P, Gupta A. Sentiment analysis of tweets on prior authorization. Journal Of Clinical Oncology 2021, 39: 322-322. [DOI: 10.1200/jco.2020.39.28_suppl.322](#).
 134. Murugiah K, Chen L, Castro-Dominguez Y, **Kherra R**, Krumholz HM. Scope of Practice of US Interventional Cardiologists from an Analysis of Medicare Billing Data The American Journal Of Cardiology 2021, 160: 40-45. [PMID: 34610872](#), [DOI: 10.1016/j.amjcard.2021.08.041](#).
 135. Fudim M, Zhong L, Patel KV, **Kherra R**, Abdelmalek MF, Diehl AM, McGarrah RW, Molinger J, Moylan CA, Rao VN, Wegermann K, Neeland IJ, Halm EA, Das SR, Pandey A. Nonalcoholic Fatty Liver Disease and Risk of Heart Failure Among Medicare Beneficiaries Journal Of The American Heart Association 2021, 10: e021654. [PMID: 34755544](#), [PMCID: PMC8751938](#), [DOI: 10.1161/jaha.121.021654](#).
 136. Sangha V, Lipska K, Lin Z, Inzucchi SE, McGuire DK, Krumholz HM, **Kherra R**. Patterns of Prescribing Sodium-Glucose Cotransporter-2 Inhibitors for Medicare Beneficiaries in the United States Circulation Cardiovascular Quality And Outcomes 2021, 14: e008381. [PMID: 34779654](#), [PMCID: PMC9022137](#), [DOI: 10.1161/circoutcomes.121.008381](#).
 137. **Kherra R**, Mortazavi BJ, Krumholz HM. Assessing Performance of Machine Learning—Reply JAMA Cardiology 2021, 6: 1466-1466. [PMID: 34586344](#), [DOI: 10.1001/jamacardio.2021.3715](#).
 138. Wheelock KM, Ross JS, Murugiah K, Lin Z, Krumholz HM, **Kherra R**. Clinician Trends in Prescribing Direct Oral Anticoagulants for US Medicare Beneficiaries JAMA Network Open 2021, 4: e2137288. [PMID: 34870678](#), [PMCID: PMC8649845](#), [DOI: 10.1001/jamanetworkopen.2021.37288](#).

139. Taha MB, Valero-Elizondo J, Yahya T, Caraballo C, **Kherra R**, Patel KV, Ali HJR, Sharma G, Mossialos E, Cainzos-Achirica M, Nasir K. Cost-Related Medication Nonadherence in Adults With Diabetes in the United States: The National Health Interview Survey 2013-2018. *Diabetes Care* 2022, 45: 594-603. [PMID: 35015860](#), [DOI: 10.2337/dc21-1757](#).
140. Oikonomou EK, Suchard MA, McGuire DK, **Kherra R**. Phenomapping-Derived Tool to Individualize the Effect of Canagliflozin on Cardiovascular Risk in Type 2 Diabetes. *Diabetes Care* 2022, 45: 965-974. [PMID: 35120199](#), [PMCID: PMC9016734](#), [DOI: 10.2337/dc21-1765](#).
141. **Kherra R**, Mortazavi BJ, Sangha V, Warner F, Patrick Young H, Ross JS, Shah ND, Theel ES, Jenkinson WG, Knepper C, Wang K, Peaper D, Martinello RA, Brandt CA, Lin Z, Ko AI, Krumholz HM, Pollock BD, Schulz WL. A multicenter evaluation of computable phenotyping approaches for SARS-CoV-2 infection and COVID-19 hospitalizations *Npj Digital Medicine* 2022, 5: 27. [PMID: 35260762](#), [PMCID: PMC8904579](#), [DOI: 10.1038/s41746-022-00570-4](#).
142. Murugiah K, Chen L, Dreyer RP, Bouras G, Safdar B, **Kherra R**, Lu Y, Spatz ES, Ng VG, Gupta A, Bueno H, Tweet MS, Spertus JA, Hayes SN, Lansky A, Krumholz HM. Health status outcomes after spontaneous coronary artery dissection and comparison with other acute myocardial infarction: The VIRGO experience *PLOS ONE* 2022, 17: e0265624. [PMID: 35320296](#), [PMCID: PMC8942215](#), [DOI: 10.1371/journal.pone.0265624](#).
143. Sangha V, Mortazavi BJ, Haimovich AD, Ribeiro AH, Brandt CA, Jacoby DL, Schulz WL, Krumholz HM, Ribeiro ALP, **Kherra R**. Automated multilabel diagnosis on electrocardiographic images and signals *Nature Communications* 2022, 13: 1583. [PMID: 35332137](#), [PMCID: PMC8948243](#), [DOI: 10.1038/s41467-022-29153-3](#).
144. Murugiah K, Chen L, Dreyer RP, Bouras G, Safdar B, Lu Y, Spatz ES, Gupta A, **Kherra R**, Ng VG, Bueno H, Tweet MS, Spertus JA, Hayes SN, Lansky A, Krumholz HM. Depression and Perceived Stress After Spontaneous Coronary Artery Dissection and Comparison With Other Acute Myocardial Infarction (the VIRGO Experience) *The American Journal Of Cardiology* 2022, 173: 33-38. [PMID: 35365290](#), [PMCID: PMC9133198](#), [DOI: 10.1016/j.amjcard.2022.03.005](#).
145. Hendren N, Peltz M, **Kherra R**, Koch S, Young J, Starling R, Tang W, Pandey A, Drazner M, Grodin J. Association Between Center Level Characteristics And 1-Month Post-LVAD Implant Risk Standardized Mortality Rates *Journal Of Cardiac Failure* 2022, 28: s59. [DOI: 10.1016/j.cardfail.2022.03.151](#).
146. Sheppard J, Huang C, Mortazavi B, Schulz W, Krumholz H, **Kherra R**. Abstract 242: Assessing Variation In Data Captured By Clinical Registries And The Electronic Health Record: Clinical Phenotypes Of Patients Undergoing Cardiac Catheterization Circulation Cardiovascular Quality And Outcomes 2022, 15 [DOI: 10.1161/circoutcomes.15.suppl_1.242](#).
147. Lu Y, Li SX, Liu Y, Rodriguez F, Watson KE, Dreyer RP, **Kherra R**, Murugiah K, D'Onofrio G, Spatz ES, Nasir K, Masoudi FA, Krumholz HM. Sex-Specific Risk Factors Associated With First Acute Myocardial Infarction in Young Adults *JAMA Network Open* 2022, 5: e229953. [PMID: 35503221](#), [PMCID: PMC9066284](#), [DOI: 10.1001/jamanetworkopen.2022.9953](#).
148. Minhas AMK, Sheikh AB, Ijaz SH, Mostafa A, Nazir S, **Kherra R**, Loccoh EC, Warraich HJ. Rural-Urban Disparities in Heart Failure and Acute Myocardial Infarction Hospitalizations *The American Journal Of Cardiology* 2022, 175: 164-169. [PMID: 35577603](#), [DOI: 10.1016/j.amjcard.2022.04.014](#).
149. **Kherra R**, Schuemie MJ, Lu Y, Ostropelets A, Chen R, Hripcsak G, Ryan PB, Krumholz HM, Suchard MA. Large-scale evidence generation and evaluation across a network of databases for type 2 diabetes mellitus (LEGEND-T2DM): a protocol for a series of multinational, real-world comparative

- cardiovascular effectiveness and safety studies *BMJ Open* 2022, 12: e057977. [PMID: 35680274](#), [PMCID: PMC9185490](#), [DOI: 10.1136/bmjopen-2021-057977](#).
150. Wang SY, Valero-Elizondo J, Cainzos-Achirica M, Desai NR, Nasir K, **Khara R**. Measures of Financial Hardship From Health Care Expenses Among Families With a Member With Atherosclerotic Cardiovascular Disease in the US *JAMA Health Forum* 2022, 3: e221962. [PMID: 35977226](#), [PMCID: PMC9308060](#), [DOI: 10.1001/jamahealthforum.2022.1962](#).
 151. Ali HR, Valero-Elizondo J, Wang SY, Cainzos-Achirica M, Bhimaraj A, Khan SU, Khan MS, Mossialos E, **Khara R**, Nasir K. Subjective Financial Hardship due to Medical Bills Among Patients With Heart Failure in the United States: The 2014–2018 Medical Expenditure Panel Survey *Journal Of Cardiac Failure* 2022, 28: 1424-1433. [PMID: 35839928](#), [DOI: 10.1016/j.cardfail.2022.06.009](#).
 152. Hanna J, Nargesi AA, Essien UR, Sangha V, Lin Z, Krumholz HM, **Khara R**. County-level variation in cardioprotective antihyperglycemic prescribing among medicare beneficiaries *American Journal Of Preventive Cardiology* 2022, 11: 100370. [PMID: 35968531](#), [PMCID: PMC9364091](#), [DOI: 10.1016/j.ajpc.2022.100370](#).
 153. Mori M, Mark DB, **Khara R**, Lin H, Jones P, Huang C, Lu Y, Geirsson A, Velazquez EJ, Spertus JA, Krumholz HM. Identifying quality of life outcome patterns to inform treatment choices in ischemic cardiomyopathy *American Heart Journal* 2022, 254: 12-22. [PMID: 35932911](#), [DOI: 10.1016/j.ahj.2022.07.007](#).
 154. Siddiqi TJ, Ahmed A, Greene SJ, Shahid I, Usman MS, Oshunbade A, Alkhouli M, Hall ME, Murad MH, **Khara R**, Jain V, Van Spall HGC, Khan MS. Performance of current risk stratification models for predicting mortality in patients with heart failure: a systematic review and meta-analysis. *European Journal Of Preventive Cardiology* 2022, 29: 2027-2048. [PMID: 35919956](#), [DOI: 10.1093/eurjpc/zwac148](#).
 155. Shen M, Nargesi A, Nasir K, Bhatt DL, **Khara R**. Contemporary National Patterns of Eligibility and Use of Novel Lipid-Lowering Therapies in the United States *Journal Of The American Heart Association* 2022, 11: e026075. [PMID: 36102276](#), [PMCID: PMC9683659](#), [DOI: 10.1161/jaha.122.026075](#).
 156. Oikonomou EK, Spatz ES, Suchard MA, **Khara R**. Individualising intensive systolic blood pressure reduction in hypertension using computational trial phenomaps and machine learning: a post-hoc analysis of randomised clinical trials *The Lancet Digital Health* 2022, 4: e796-e805. [PMID: 36307193](#), [PMCID: PMC9768739](#), [DOI: 10.1016/s2589-7500\(22\)00170-4](#).
 157. Agusala V, Dale P, **Khara R**, Brown S, Idris A, Link M, Mody P. Variation in coronary angiography use in Out-of-Hospital cardiac arrest Resuscitation 2022, 181: 79-85. [PMID: 36332772](#), [DOI: 10.1016/j.resuscitation.2022.10.020](#).
 158. Wheelock K, Chan P, Chen L, de Lemos J, Miller P, Nallamothu B, Girotra S, **Khara R**. Time in therapeutic range for targeted temperature management and outcomes following out-of-hospital cardiac arrest Resuscitation 2022, 182: 109650. [PMID: 36442596](#), [PMCID: PMC9885789](#), [DOI: 10.1016/j.resuscitation.2022.11.016](#).
 159. Valero-Elizondo J, Javed Z, **Khara R**, Tano M, Dudum R, Acquah I, Hyder A, Andrieni J, Sharma G, Blaha M, Virani S, Blankstein R, Cainzos-Achirica M, Nasir K. Unfavorable social determinants of health are associated with higher burden of financial toxicity among patients with atherosclerotic cardiovascular disease in the US: findings from the National Health Interview Survey *Archives Of Public Health* 2022, 80: 248. [PMID: 36474300](#), [PMCID: PMC9727868](#), [DOI: 10.1186/s13690-022-00987-z](#).

160. Caraballo C, Mahajan S, Murugiah K, Mortazavi B, Lu Y, **Kherra R**, Krumholz H. Timing of Blood Draws Among Patients Hospitalized in a Large Academic Medical Center JAMA 2023, 329: 255-257. [PMID: 36648476](#), [PMCID: PMC9856620](#), [DOI: 10.1001/jama.2022.21509](#).
161. Loccoh E, **Kherra R**, van Meijgaard J, Marsh T, Warraich H. Hospital Adherence to the Federal Price Transparency Mandate: Results from a Nationally Representative Sample Journal Of General Internal Medicine 2023, 1-4. [PMID: 36650327](#), [DOI: 10.1007/s11606-023-08039-0](#).
162. Bikdeli B, Lo Y, Khairani C, Bejjani A, Jimenez D, Barco S, Mahajan S, Caraballo C, Secemsky E, Klok F, Hunsaker A, Aghayev A, Muriel A, Wang Y, Hussain M, Appah-Sampong A, Lu Y, Lin Z, Aneja S, **Kherra R**, Goldhaber S, Zhou L, Monreal M, Krumholz H, Piazza G. Developing Validated Tools to Identify Pulmonary Embolism in Electronic Databases: Rationale and Design of the PE-EHR+ Study Thrombosis And Haemostasis 2023 [PMID: 36809777](#), [DOI: 10.1055/a-2039-3222](#).
163. MCCLOSKEY V, Nasir K, **Kherra R**, Oikonomou E, Diaz R, Kenney R, Aguilar R, Gulati M, Cingolani O, Gluckman T, Blankstein R, Hernandez M, Rivera J. Abstract 60: Impact of a Multisite, Protocol-Driven, Nurse Practitioner-Led, Cardiovascular Prevention Program in a Hispanic Medicare Advantage Population at High Risk for ASCVD: Healthy Heart Program at Cano Health. Circulation 2023, 147: a60-a60. [DOI: 10.1161/circ.147.suppl_1.60](#).
164. Nabi W, Aminorroaya A, **Kherra R**. Abstract P445: Patterns in Physical Activity Among Individuals With Cardiovascular Risk Factors in the United States: A Population-Based Contemporary Study From NHANES 2017- 2020 Circulation 2023, 147: ap445-ap445. [DOI: 10.1161/circ.147.suppl_1.p445](#).
165. Oikonomou E, Spatz E, Ross J, Suchard M, Krumholz H, **Kherra R**. A MACHINE LEARNING-GUIDED APPROACH FOR ADAPTIVE TRIAL ENRICHMENT AND ACCELERATION OF CARDIOVASCULAR OUTCOME TRIALS: INSIGHTS FROM THE SPRINT AND ACCORD-BP TRIALS Journal Of The American College Of Cardiology 2023, 81: 2314. [DOI: 10.1016/s0735-1097\(23\)02758-4](#).
166. Sawano M, Lu Y, Caraballo C, Mahajan S, Dreyer R, Lichtman J, D'Onofrio G, Spatz E, **Kherra R**, Onuma O, Murugiah K, Spertus J, Krumholz H. SEX DIFFERENCE IN CAUSES AND TIMING OF ONE-YEAR OUTCOMES AMONG YOUNG ACUTE MYOCARDIAL INFARCTION PATIENTS; RESULTS FROM THE VIRGO STUDY Journal Of The American College Of Cardiology 2023, 81: 1294. [DOI: 10.1016/s0735-1097\(23\)01738-2](#).
167. **Kherra R**, Dhingra L, Li K, Aminorroaya A, Zhou J, Arshad F, Bu F, Dorr D, Falconer T, French T, Lau W, Lu Y, Man K, Matheny M, Minty E, Nishimura A, Ostropolets A, Seager S, Y.F. W, Yang J, Yin C, Hripcsak G, Krumholz H. MULTINATIONAL PATTERNS OF SECOND-LINE ANTI-HYPERGLYCEMIC DRUG INITIATION IN ESTABLISHED CARDIOVASCULAR DISEASE: A FEDERATED PHARMACOEPIDEMIOLOGIC EVALUATION IN LEGEND-T2DM Journal Of The American College Of Cardiology 2023, 81: 1646. [DOI: 10.1016/s0735-1097\(23\)02090-9](#).
168. Nargesi A, Rosand B, Hengartner A, Adejumo P, **Kherra R**. DEEP LEARNING-BASED IDENTIFICATION OF HEART FAILURE WITH REDUCED EJECTION FRACTION IN CLINICAL DOCUMENTATION TO AUTOMATE CARE QUALITY ASSESSMENT IN HEART FAILURE Journal Of The American College Of Cardiology 2023, 81: 2302. [DOI: 10.1016/s0735-1097\(23\)02746-8](#).
169. Khunte A, Sangha V, Dhingra L, Oikonomou E, Mortazavi B, **Kherra R**. DEEP LEARNING-BASED DETECTION OF LEFT VENTRICULAR SYSTOLIC DYSFUNCTION FROM NOISY SINGLE LEAD ELECTROCARDIOGRAPHY ADAPTED FOR WEARABLE DEVICES Journal Of The American College Of Cardiology 2023, 81: 2262. [DOI: 10.1016/s0735-1097\(23\)02706-7](#).

170. Sangha V, Oikonomou E, Khunte A, Gupta K, Mortazavi B, **Khera R**. SMART-AS: A NOVEL ARTIFICIAL INTELLIGENCE TOOL TO DETECT SEVERE AORTIC STENOSIS FROM ELECTROCARDIOGRAPHIC IMAGES *Journal Of The American College Of Cardiology* 2023, 81: 2409. [DOI: 10.1016/s0735-1097\(23\)02853-x](https://doi.org/10.1016/s0735-1097(23)02853-x).
171. Sangha V, Khunte A, Holste G, Mortazavi B, Wang Z, Oikonomou E, **Khera R**. BIOMETRIC CONTRASTIVE MODELING FOR DATA-EFFICIENT DEEP LEARNING FROM ELECTROCARDIOGRAPHIC IMAGES *Journal Of The American College Of Cardiology* 2023, 81: 2403. [DOI: 10.1016/s0735-1097\(23\)02847-4](https://doi.org/10.1016/s0735-1097(23)02847-4).
172. Oikonomou E, Suchard M, Miller E, Velazquez E, **Khera R**. MECHANISTIC EVALUATION OF AN AI-DRIVEN CLINICAL DECISION SUPPORT TOOL TO PERSONALIZE THE USE OF ANATOMICAL TESTING IN SUSPECTED CORONARY ARTERY DISEASE *Journal Of The American College Of Cardiology* 2023, 81: 1360. [DOI: 10.1016/s0735-1097\(23\)01804-1](https://doi.org/10.1016/s0735-1097(23)01804-1).
173. **Khera R**, Loccoh E, Nguyen A, Li D, Chase L, Warraich H. MARKUP ON COMMON GENERIC MEDICATIONS AT HOSPITALS IN THE UNITED STATES: A NATIONALLY REPRESENTATIVE EVALUATION *Journal Of The American College Of Cardiology* 2023, 81: 1667. [DOI: 10.1016/s0735-1097\(23\)02111-3](https://doi.org/10.1016/s0735-1097(23)02111-3).
174. Lu Y, Linderman G, Mahajan S, Liu Y, Huang C, **Khera R**, Mortazavi B, Spatz E, Krumholz H. Quantifying Blood Pressure Visit-to-Visit Variability in the Real-World Setting: A Retrospective Cohort Study. *Circulation Cardiovascular Quality And Outcomes* 2023, e009258. [PMID: 36883456](https://pubmed.ncbi.nlm.nih.gov/36883456/), [DOI: 10.1161/circoutcomes.122.009258](https://doi.org/10.1161/circoutcomes.122.009258).
175. Liu Y, Herrin J, Huang C, **Khera R**, Dhingra L, Dong W, Mortazavi B, Krumholz H, Lu Y. Nonexercise machine learning models for maximal oxygen uptake prediction in national population surveys. *Journal Of The American Medical Informatics Association* 2023 [PMID: 36905605](https://pubmed.ncbi.nlm.nih.gov/36905605/), [DOI: 10.1093/jamia/ocad035](https://doi.org/10.1093/jamia/ocad035).

Peer-Reviewed Case Reports and Technical Notes

1. Pareek M, Steele J, Asnes J, Baldassarre L, Casale L, Desai N, Elder R, Faherty E, Ferguson I, Fishman R, Ghazizadeh Z, Glick L, Hall E, **Khera R**, Kokkinidis D, Kwan J, O'Marr J, Schussheim A, Tuohy E, Wang Y, Spatz E, Jacoby D, Miller E. Short-Term Outcomes After Myopericarditis Related to COVID-19 Vaccination *JACC Cardiovascular Imaging* 2022, 15: 2002-2005. [PMCID: PMC9094612](https://pubmed.ncbi.nlm.nih.gov/36357140/), [DOI: 10.1016/j.jcmg.2022.03.026](https://doi.org/10.1016/j.jcmg.2022.03.026).
2. Pareek M, Steele J, Asnes J, Baldassarre L, Casale L, Desai N, Elder R, Faherty E, Ferguson I, Fishman R, Ghazizadeh Z, Glick L, Hall E, **Khera R**, Kokkinidis D, Kwan J, O'Marr J, Schussheim A, Tuohy E, Wang Y, Spatz E, Jacoby D, Miller E. Short-Term Outcomes After Myopericarditis Related to COVID-19 Vaccination *JACC Cardiovascular Imaging* 2022, 15: 2002-2005. [PMID: 36357140](https://pubmed.ncbi.nlm.nih.gov/36357140/), [PMCID: PMC9094612](https://pubmed.ncbi.nlm.nih.gov/36357140/), [DOI: 10.1016/j.jcmg.2022.03.026](https://doi.org/10.1016/j.jcmg.2022.03.026).

Commentaries, Editorials and Letters

1. Nasir K, **Khera R**. Financial Toxicity of Acute Cardiovascular Disease in India *JAMA Network Open* 2019, 2: e193839. [PMID: 31099855](https://pubmed.ncbi.nlm.nih.gov/31099855/), [DOI: 10.1001/jamanetworkopen.2019.3839](https://doi.org/10.1001/jamanetworkopen.2019.3839).
2. **Khera R**. Do or Do Not, There Is No Try *Circulation Cardiovascular Quality And Outcomes* 2020, 13: e006693. [PMID: 32393124](https://pubmed.ncbi.nlm.nih.gov/32393124/), [DOI: 10.1161/circoutcomes.120.006693](https://doi.org/10.1161/circoutcomes.120.006693).

3. Mori M, **Khera R**, Lin Z, Ross JS, Schulz W, Krumholz HM. The Promise of Big Data and Digital Solutions in Building a Cardiovascular Learning System: Opportunities and Barriers. *Methodist DeBakey Cardiovascular Journal* 2020, 16: 212-219. [PMID: 33133357](#), [PMCID: PMC7587314](#), [DOI: 10.14797/mdcj-16-3-212](#).
4. Nasir K, **Khera R**. Digital Phenotyping of Myocardial Dysfunction With 12-Lead ECG Tiptoeing Into the Future With Machine Learning * *Journal Of The American College Of Cardiology* 2020, 76: 942-944. [PMID: 32819468](#), [DOI: 10.1016/j.jacc.2020.07.001](#).
5. Mori M, **Khera R**. Pumping the Breaks on Health Care Costs of Cardiac Surgery by Focusing on Postacute Care Spending Circulation Cardiovascular Quality And Outcomes 2020, 13: e007253. [PMID: 33176464](#), [DOI: 10.1161/circoutcomes.120.007253](#).
6. **Khera R**. Digital Cardiovascular Epidemiology—Ushering in a New Era Through Computational Phenotyping of Cardiovascular Disease *JAMA Network Open* 2021, 4: e2135561. [PMID: 34807263](#), [DOI: 10.1001/jamanetworkopen.2021.35561](#).