

Curriculum Vitae

Date Prepared: September 2, 2021
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Place of Birth: Busan, Korea

Education:

1995-2001	MD	Medicine	Yonsei University College of Medicine, Seoul, Korea
2004-2005	MPH	Epidemiology (Advisor: Paulo Chaves, MD, PhD)	Johns Hopkins School of Public Health, Baltimore, MD
2009-2014	ScD	Epidemiology (Advisor: Francine Grodstein, ScD)	Harvard School of Public Health, Boston, MA

Postdoctoral Training:

07/2005-06/2006	Intern	Medicine	Thomas Jefferson University Hospital, Jefferson Medical College, Philadelphia, PA
07/2006-06/2008	Resident	Medicine	Thomas Jefferson University Hospital, Jefferson Medical College, Philadelphia, PA
07/2008-06/2009	Clinical Fellow	Gerontology	BIDMC, Harvard Medical School, Boston, MA
07/2009-06/2010	Research Fellow	Gerontology (Advisor: Lewis A. Lipsitz, MD)	BIDMC and Hebrew SeniorLife, Harvard Medical School, Boston, MA

Faculty Academic Appointments:

07/2010-06/2015	Instructor	Medicine	Harvard Medical School, Boston, MA
07/2015-01/2020	Assistant Professor	Medicine	Harvard Medical School, Boston, MA

02/2020- Present	Associate Professor	Medicine	Harvard Medical School, Boston, MA
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Appointments at Hospitals/Affiliated Institutions:

10/2009- 05/2018	Assisting Staff	Medicine / Geriatrics	Mount Auburn Hospital, Cambridge, MA
07/2010- Present	Staff Physician	Medicine / Gerontology	BIDMC, Boston, MA
08/2015- Present	Associate Physician	Medicine / Pharmaco- epidemiology	BWH, Boston, MA
10/2018- 10/2020	Assistant Scientist II	Marcus Institute for Aging Hebrew SeniorLife, Boston, MA Research	
11/2020- Present	Associate Scientist	Marcus Institute for Aging Hebrew SeniorLife, Boston, MA Research	

Other Professional Positions:

2001-2004	Public Health Physician	Public Health Center, Hoengseong County, Gangwon Province, Korea	
2014-Present	Consultant	Alosa Health	10 days per year
2020	Project Advisory Task Force Member	The Office of the Assistant Secretary for Planning and Evaluation (ASPE) of the Department of Health and Human Services and RAND Corporation, Arlington, VA	

Major Administrative Leadership Positions:

2020-Present	Associate Director of Research and Education Core	Boston Claude D. Pepper Older Americans Independence Center, Boston, MA
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Committee Service:

Local:

2019-2020	Task Force on Faculty Guidelines Recommendations & Revisions	Marcus Institute for Aging Research, HSL, Boston, MA
2019-2020		Member

Regional:

Dae Hyun Kim, MD, MPH, ScD

2019-Present	Advisory Subcommittee	The New England Geriatric Research, Education, and Clinical Centers (GRECC), Boston, MA
2019-Present		Member

National:

2019-Present	Thesis Advisory Committee	University of North Carolina Chapel Hill School of Public Health, Chapel Hill, NC
2019-Present		Member (PhD Student: Henry Zhang)

Professional Societies:

2001		Korean Medical Association
2001-2004		Korean Association of Public Health Doctors
2004-2005		American Public Health Association
2005-2015		American Medical Association
2005-2008		American College of Physicians
2005-2008		Pennsylvania Medical Society
2006-2010		American Heart Association, Epidemiology Council
2006-Present		American Geriatrics Society
	2010-2019	Member, Junior Faculty Special Interest Group Steering Committee
	2014-Present	Member, Research Methods Subcommittee
2008-Present		Massachusetts Medical Society
2010-Present		Gerontological Society of America
2013-Present		International Society for Pharmacoepidemiology
2015		Canadian Geriatrics Society
2017-Present		American Delirium Society
	2018	Member, Annual Meeting Program Committee
2020-Present		Academy Health

Grant Review Activities:

2014-Present	T32 Translational Research in Aging Training Program	BIDMC
2014-Present		Ad hoc reviewer

	2018-Present	Executive Committee member
2017	Older American Independence Center Pilot/Feasibility Grants Competition Program	University of Michigan
	2017	Ad hoc reviewer
2017	Knowledge Translation Competition Award Program	Canadian Frailty Network
	2017	Ad hoc reviewer
2021-Present	NIH Organization and Delivery of Health Services (ODHS) Study Section	NIH
	2021	Ad hoc reviewer

Editorial Activities:

Ad hoc Reviewer:

Journals

- Advances in Geriatric Medicine and Research
- Advances in Interventional Cardiology
- American Journal of Cardiology
- American Journal of Epidemiology
- American Journal of Medicine
- American Journal of the Medical Sciences
- American Journal of Preventive Medicine
- Annals of Epidemiology
- Annals of Geriatric Medicine and Research
- Annals of Internal Medicine
- Annals of Medicine
- BMC Geriatrics
- BMC Health Service Research
- BMJ
- BMJ Open
- Circulation: Cardiovascular Quality and Outcomes
- Gender Medicine
- Gerontology
- Heart
- Health Services Research

JAMA Internal Medicine
JAMA Network Open
Journal of Nutrition, Health & Aging
Journal of the American College of Cardiology
Journal of the American College of Cardiology: Cardiovascular Interventions
Journal of the American College of Cardiology: Heart Failure
Journal of the American Geriatrics Society
Journal of the American Heart Association
Journal of Cardiac Failure
Journal of Clinical Psychiatry
Journals of Gerontology: Medical Science
Journal of Hospital Medicine
Journal of Nutrition, Health, and Aging
Journal of Thoracic and Cardiovascular Surgery
Lancet
Medical Care
Pharmacoepidemiology and Drug Safety
Pharmacogenomics and Personalized Medicine
Psychosomatic Medicine
Yonsei Medical Journal

Abstracts American Geriatrics Society Annual Meeting
Gerontological Society of America Annual Scientific Meeting
International Conference on Pharmacoepidemiology and Therapeutic Risk Management
International Association of Gerontology and Geriatrics

Other Editorial Roles:

2018-Present Editorial board member	Gerontology
2018-Present Editorial board member	Journal of the American Geriatrics Society
2018-2020 Editorial board member	Journals of Gerontology: Medical Sciences
2021-Present Associate Editor	Journals of Gerontology: Medical Sciences
2018-Present Editorial board member	Annals of Geriatric Medicine and Research

Honors and Prizes:

1998-2000	Scholarship	Yonsei University College of Medicine, Seoul, Korea	Academic achievement
1999	Dean's List	Yonsei University College of Medicine, Seoul, Korea	Academic achievement
2001	Commendation for Public Health Service	Hoengseong County, Gangwon Province, Korea	Public health service
2006	American Medical Association Foundation Seed Grant	The American Medical Association Foundation, Chicago, IL	Research seed grant
2007	Young Investigator Award	American Heart Association Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke Conference, Washington, DC	Research abstract presentation
2007	First Prize	American College of Physician Southeast Pennsylvania Regional Meeting, Philadelphia, PA	Associate research abstract presentation
2008	Winner	American College of Physician National Meeting, Washington, DC	Associate research abstract presentation
2008	The Kowlessar Award	Jefferson Medical College of Thomas Jefferson University, Philadelphia, PA	Excellence in general medicine, education, and research
2008	Young Investigator Travel Award	The 5 th Pivotal Research in Cardiology in the Elderly Symposium, New Orleans, LA	Travel award
2008	Winner	American College of Physician Massachusetts Regional Meeting, Waltham, MA	Associate research abstract presentation
2009	Finalist	BIDMC	Resident research abstract presentation
2009	Winner	American College of Physician Massachusetts Regional Meeting, Waltham, MA	Associate research abstract presentation

2009-2010	John A. Hartford Foundation Center of Excellence Award	John A. Hartford Foundation	Career development award
2010	Emma Gildersleeve Lane Scholarship	Harvard University	Scholarship
2011-2012	John A. Hartford Foundation Center of Excellence Award	John A. Hartford Foundation	Career development award
2012-2013	Departmental Scholarship	Department of Epidemiology, HSPH	Scholarship
2013	Mentor of the Year Award	Harvard Geriatric Medicine Fellowship	Teaching award
2015	Rising Star Travel Award	ACC/AGS/NIA U13 Workshop on Multimorbidity in Older Adults with Cardiovascular Disease	Travel award
2015	Chairman's Research Award	Department of Medicine, BWH	Junior investigator award
2016	Presidential Best Abstract Award	American Geriatrics Society Annual Meeting, Long Beach, CA	Research abstract award
2017	Early Career Travel Award	ACC/AGS/NIA U13 Workshop on Pharmacotherapy in Older Adults with Cardiovascular Disease	Travel award
2017	Outstanding Junior Investigator of the Year Award	American Geriatrics Society Annual Meeting, San Antonio, TX	Junior investigator award
2020	Presidential Best Abstract Award	American Geriatrics Society Annual Meeting, Long Beach, CA	Research abstract award
2020	Mentor of the Year Award	Harvard Geriatric Medicine Fellowship	Teaching award
2021	Nomination for Excellence in Mentoring Award	HMS	Recognition for mentoring

Report of Funded and Unfunded Projects

Funding Information:

Past:

- 2010-2011 Retinal Microvascular Abnormalities and Incident Disability in Older Adults
Claude D. Pepper Older Americans Independence Center/Career development
PI trainee (\$46,000) (PI: Lipsitz)
This project aims to investigate the role of microvascular abnormalities in retinal vessels in relation to incidence disability, using data from the Cardiovascular Health Study cohort.
- 2012-2013 Prediction of Severe Disability in Aging Population
Charles A. King Trust Fellowship Award, The Medical Foundation/Career development
PI (\$95,000)
This project aims to compare self-reported information, physical performance tests, and non-invasive measurement of vascular disease burden for their ability to predict severe disability and to develop a practical model for clinical use.
- 2013-2015 Functional Status After Transcatheter and Surgical Aortic Valve Replacement
KL2/Harvard Catalyst Medical Research Investigator Training Award from NIH (1KL2 TR001100-01)
PI trainee (\$187,800) (PI: Nadler)
This project aims to examine cognitive and physical function change and disability for 12 months in older patients undergoing transcatheter or surgical aortic valve replacement for symptomatic severe aortic stenosis.
- 2015-2018 Development and Validation of a Frailty Index Using Claims Data for Pharmacoepidemiologic Studies in Older Adults
NIA/Paul B. Beeson Clinical Scientist Development Award in Aging (K08AG051187)
PI (\$597,774)
This study aims to develop and validate a frailty index from Medicare claims data and to apply it to pharmacoepidemiologic research in older adults.
- 2016-2018 Home-based Exercise Program for Recovery after Transcatheter Aortic Valve Replacement: A Pilot Randomized Controlled Trial
NIA/Boston Claude D. Pepper Older Americans Independence Center/Pilot and Exploratory Studies (P30AG031679); NCT02805309

PI/Pilot study awardee (\$50,000) (PI: Shalendar Bhasin)

This pilot study aims to develop a home-based exercise program to prevent functional decline in older patients after transcatheter aortic valve replacement.

2017-2018 Home-based Exercise Program for Recovery after Transcatheter Aortic Valve Replacement: A Pilot Randomized Controlled Trial

NIA/Boston Roybal Center Pilot Award (P30AG048785); NCT02805309

PI/Pilot study awardee (\$36,323) (PI: Margie Lachman)

This pilot study aims to evaluate the effect of cognitive behavioral interventions added to home-based exercise program in preventing functional decline in older patients after transcatheter aortic valve replacement.

Current:

2017-2022 Optimizing Electronic Health Record Prompts with Behavioral Economics to Improve Prescribing for Older Adults

NIA R33AG057388

Consultant (PI: Niteesh K. Choudhry and Julie Lauffenburger)

This study aims to evaluate whether electronic health record-based tools that are optimized using behavioral economic principles can reduce inappropriate prescribing of potentially harmful drugs and adverse health outcomes among older adults.

2018-2021 Epidemiology and Risk of Antipsychotic Use in Hospitalized Elderly with Delirium
(NCE) NIA R01AG056368

PI (\$1,172,042 – total direct costs)

This study aims to evaluate the utilization and comparative safety of antipsychotics and other psychoactive drugs in older hospitalized patients undergoing major surgery.

2018-2022 Understanding Effectiveness of New Drugs in Older Adults Shortly After Market Entry
NIA R01AG053302

Co-Investigator (PI: Shirley V. Wang)

This study aims to produce a framework for combining pre-market clinical trials and early post-market evidence as a means to accelerate understanding of treatment effectiveness in older adults with multiple comorbidities.

- 2018-2023 Generalizing Data from Randomized Trials to Predict Long-Term Treatment Outcomes in Older Populations
NIA R01AG060163
Co-Investigator (PI: Mehdi Najafzadeh)
This study aims to apply a novel approach to use information about heterogeneity of treatment effect in the randomized controlled trial data to predict outcomes in older target populations and over longer periods.
- 2019-2021 Restricted Mean Survival Time to Interpret Clinical Trials for Treatment Decision-Making in Older Adults
(NCE) NIA R21AG060227
PI (\$275,000 – total direct costs)
This study aims to evaluate the usefulness of restricted mean survival time as an alternative to hazard ratios to summarize treatment effect for intuitive interpretation and treatment decision-making.
- 2019-2022 Assessing the Effectiveness of Oral Anticoagulants in Patients with Atrial Fibrillation at High Risk of Underutilization due to Dementia, Recurrent Falls, or Poor Anticoagulation Quality
NIA RF1AG063381
Co-Investigator (PI: Joshua K. Lin)
This study aims to investigate how treatment effects of warfarin and direct oral anticoagulants are affected by dementia, high risk of falls, and predictors for anticoagulation quality in patients with atrial fibrillation.
- 2019-2023 Prospective Monitoring of Newly Approved Cardiovascular Drugs in Older Adults with Frailty
NIA R01AG062713
PI (\$1,856,920 – total direct costs)
This study aims to establish a prospective monitoring program for newly approved cardiovascular drugs for older adults with frailty in routine healthcare databases and identify predictors of benefit from the new drugs.
- 2019-2023 Safe Cardiometabolic Drug Prescribing to Prevent Injury in Nursing Home Residents
NIA R01AG061221
Co-Investigator (PI: Sarah Berry)

This research aims to determine the net clinical benefit of cardiometabolic drugs in Alzheimer's disease and other related dementia and other nursing home residents.

2020-2025 Understanding and Improving Surgical Decision-Making for Persons Living with Dementia, Their Family Caregivers, and Their Providers: A Mixed Methods Study
NIA R01AG067507

Co-Investigator (PI: Joel S. Weissman)

This study aims to understand the epidemiology of surgery for person living with dementia, as well as patient, caregiver, and provider practices and challenges of surgical decision-making.

2021-2026 The Trajectories and Clinical Experiences of ICD Therapy (TRACER-ICD) Study
NIA R01AG068141

Co-Investigator (PI: Daniel B. Kramer)

This study aims to conduct a multi-center prospective cohort to define patient-centered experiences of older patients following ICD implantation.

2021-2026 Applications of Claims-Based Frailty Index to Advance Evidence for Frailty-Guided Decision-Making
NIA R01AG071809

PI – Direct costs requested – \$2,403,210

This study aims to generate evidence needed for frailty-guided clinical care and population health management by applying a claims-based frailty index to claims data-based studies of drug therapy, pragmatic clinical trials of procedural therapy, and electronic health records-Medicare linked data of a health care system.

Projects Submitted for Funding:

Pending Moving Frailty into Practice: Frailty Intervention Program for Older Patients with Serious Illness

NIA R21AG068765

PI – Direct costs requested – \$275,000

This study aims to address this research gap by conducting a pilot study of a Frailty Identification and Treatment program for older adults with serious illness implemented at the primary care practice level.

- Pending Mid-Career Mentoring Award for Patient-Oriented Research in Frailty and Health Outcomes
NIA K24AG073527
PI – Direct costs requested - \$867,930
This mentoring award aims to develop a formal mentoring program, expand high-quality patient-oriented research on frailty and outcomes of medical and surgical interventions, and cultivate the PI’s capacity as a mentor and leader in aging research. (Impact score 23)
- Pending BRIDGE-Geriatric Cardiology – Building a Research Infrastructure to Develop Generalizable Evidence – Geriatric Cardiology
NIA R21AG072139
Multi-PI
This project aims to generate the infrastructure, expertise, and high-quality evidence to advance care and address the needs of older adults with cardiovascular disease.

Training Grants and Mentored Trainee Grants:

- 2004-2021 Harvard Translational Research in Aging Training Program
NIA 5T32AG023480-13 (PI: Lewis A. Lipsitz)
Mentor
This program aims to provide a 2-year mentored training program in basic, patient-oriented, or population-based aging research for postdoctoral trainees to promote their achievement of successful independent research careers that will inform the development of interventions to improve the quality of life and well-being of older adults.
- 2010-2020 Greater Boston Medical Student Training in Aging Research (MSTAR) Program
NIA 2T35AG038027-06 (PI: Jane A. Driver)
Mentor
This program aims to give medical students an 8 to 12-week aging research experience and an introduction to the field of geriatric medicine.

Report of Local Teaching and Training

Teaching of Students in Courses:

2009-2016	Patient-Doctor II Geriatrics Session 2 nd year medical and dental students	Harvard Medical School Two 2-hour sessions per year
2010-2011	Geriatrics home visit program 3 rd year medical students	Harvard Medical School Two 4-hour sessions per year
2010-2012	Geriatric Medicine Bench to Bedside 4 th year medical students	Harvard Medical School Two 1-hour lectures per year
2012-Present	Introduction to clinical epidemiology Clinical Effectiveness Course participants	HSPH One 2-hour session per year
2014-Present	Issues in frailty Master's and doctoral students	HSPH One 1-hour session per year
2016-Present	Practice of Medicine Geriatric Clinical Immersion Experience 1 st year medical and dental students	Harvard Medical School One 3-hour session per year

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

2010-2014	Intro to epidemiologic research in aging 1 st and 2 nd year geriatrics fellows	BIDMC One 1-hour lecture per year
2010-2020	Geriatrics fellowship journal club 1 st and 2 nd year geriatrics fellows	Hebrew SeniorLife Eight to ten 1-hour sessions per year
2011	Retinal microvascular signs and aging 1 st and 2 nd year ophthalmology fellows	Beetham Eye Institute, Joslin Diabetes Center One 1-hour lecture
2012-2013	Geriatrics journal club Medicine residents	Metrowest Medical Center, Framingham, MA Four 1-hour sessions per year
2012-2013	Falls 1 st and 2 nd year geriatrics fellows	BIDMC One 1-hour lecture per year
2012-2018	Secondary data analysis Research fellows and postdocs	Hebrew SeniorLife One 2-hour lecture every other year
2013	Introduction to medical statistics 1 st and 2 nd year geriatrics fellows	Hebrew SeniorLife Two 1-hour sessions per year
2013-2014	Clinic teaching sessions 1 st year geriatrics fellows	BIDMC Twelve 1-hour sessions per year
2014	Prevention falls in the elderly	One 1-hour lecture

2014-2019	Medicine residents International Observership Program 1-2 Visiting residents and fellows	Mount Auburn Hospital, Cambridge, MA BIDMC Twelve 1-hour sessions per year
2018-Present	Functional Assessment in Older Adults Research fellows and postdocs	Hebrew SeniorLife One 1.5-hour lecture every other year
2019-Present	Resident Journal Club Medicine residents	BIDMC One 1-hour lecture per year
2019-Present	Frailty Assessment in Older Adults 1 st year geriatrics fellows	Hebrew SeniorLife One 1-hour lecture per year

Clinical Supervisory and Training Responsibilities:

2010-Present	Geriatrics inpatient service attending 1 st year geriatrics fellows	BIDMC Four or six weeks per year
2017-Present	Geriatrics elective preoperative evaluation 1 st year geriatrics fellows	BIDMC Seven 2-hour sessions per year

Research Supervisory and Training Responsibilities:

2017-Present	Supervision of post-doctoral research Research fellows (1-3 per year)	BIDMC/Hebrew SeniorLife One 1-hour lab meeting per week; 1-hour 1:1 supervision per 2 weeks
2018-Present	Supervision of post-doctoral research Research scientists (2 per year)	BWH Two 1-hour lab meetings per week

Mentored Trainees and Faculty:

2012-2016	Caroline A. Kim, MD, MS, MPH / Hospitalist, South Shore Hospital Career stage: graduate student and research fellow. Mentoring role: research mentor. Accomplishment: multiple abstracts; 7 publications, including 2 first-authored papers; T32 postdoctoral fellowship award; MPH from HSPH.
2014-2015	Sebastian Placide, BA / Student, Albert Einstein College of Medicine Career stage: research assistant. Mentoring role: research and career mentor. Accomplishments: 1 publication, advanced to pursue an MD.
2014-Present	Il-Young Jang, MD / Assistant Professor, Asan Medical Center, Seoul, Korea Career stage: resident, fellow, and faculty. Mentoring role: research and career mentor. Accomplishments: multiple abstracts, 13 publications, including 8 first-authored papers.

- 2014-Present Heewon Jung, MD, PhD / Assistant Professor, Asan Medical Center, Seoul, Korea
Career stage: resident, fellow, and faculty. Mentoring roles: research and career mentor.
Accomplishments: 14 publications, including 3 first-authored papers.
- 2015-2017 Jung Lee, BS / Research assistant, BIDMC
Career stage: research student. Mentoring role: research and career mentor.
Accomplishments: 2 abstracts, 2 publications.
- 2015-2018 Eliah Lux, BS / Student, University of Toledo College of Medicine
Career stage: research student. Mentoring role: research and career mentor.
Accomplishments: 3 abstracts, 3 publications.
- 2016-2017 Quoc Dinh Nguyen, MD, MPH / Attending geriatrician, University of Montreal
Career stage: graduate student and geriatrics fellow. Mentoring role: research mentor.
Accomplishments: 1 abstract, 2 first-authored papers, MPH from HSPH.
- 2016-2018 Daniel Buitrago, MD, MPH / Surgery resident, BIDMC
Career stage: graduate student and research fellow. Mentoring role: research mentor.
Accomplishment: 2 abstracts, 1 first-authored paper, MPH from HSPH.
- 2017-2018 Quinn P. Hosler, MD / Medicine resident, University of Cincinnati College of Medicine
Career stage: medical student. Mentoring role: research mentor (Medical Student Training in Aging Research program). Accomplishment: 1 abstract (top 3 abstract in regional internal medicine conference; the American Geriatrics Society Annual Meeting Presidential Poster session and Travel Award) and 1 first-authored paper.
- 2017-Present Sandra M. Shi, MD / Instructor in Medicine, HMS, Assistant Scientist I, HSL
Career stage: T32 postdoctoral fellow. Mentoring role: research and career mentor.
Accomplishments: multiple abstracts, 17 publications including 8 first-authored papers, 1 book chapter, Best Paper Award and Best Abstract Award of the American Geriatrics Society Annual Meeting, and the Gerontological Society of America Travel Award.
- 2017-2018 Minhee Sung, MD / Research fellow, Yale VA Medical Center
Career stage: medicine resident. Mentoring role: research mentor. Accomplishments: 1 abstract and 1 first-author paper.
- 2017-2018 Janet Sultana, PhD / Postdoctoral fellow, BWH
Career stage: postdoctoral fellow. Mentoring role: research mentor. Accomplishments: 2 abstracts.
- 2017-2018 Ariela R. Orkaby, MD, MPH / Assistant Professor of Medicine, BWH
Career stage: Instructor in Medicine. Mentoring role: research and career mentor.
Accomplishments: 7 publications including 2 first-authored papers.
- 2018-2020 Anthony J. Maltagliati, MS / Student, University of Arizona School of Medicine
Career stage: medical student. Mentoring role: research mentor (Medical Student Training in Aging Research program). Accomplishment: 4 abstracts (Selected for Plenary

Session in the American Geriatrics Society Annual Meeting and Travel Award) and 1 first-authored paper.

2018-2019 Aarti Rao, BA / Medicine resident, Icahn School of Medicine at Mount Sinai

Career stage: medical student. Mentoring role: research mentor. Accomplishment: 1 abstract, 1 first-authored paper.

2018-Present Clark DuMontier, MD, MPH / Instructor in Medicine at HMS, BWH and Boston VA Medical Center

Career stage: T32 postdoctoral fellow and early-stage investigator. Mentoring role: research and career mentor. Accomplishments: 2 abstracts, 5 publications including 4 first-authored papers, HCSRN-OAICs AGING Initiative pilot award, VA career development award

2019-2020 Gahee Oh, MD, MPH / Data Scientist II, HSL

Career stage: graduate student. Mentoring role: MPH practicum supervisor. Accomplishments: 2 abstracts, 2 publications including 1 first-authored paper, MPH from HSPH.

2019-2021 Hemin Lee, MD, MPH / Research scientist, BWH

Career stage: research scientist. Mentoring role: research mentor. Accomplishment: 7 publications, including 2 first-author papers.

2019-2020 Meera Kapadia, BSE / Student, University of Arizona School of Medicine

Career stage: medical student. Mentoring role: research mentor (Medical Student Training in Aging Research program). Accomplishments: 1 abstract and 1 first-authored paper.

2019-2020 Natalia Festa, MD, MBA / Geriatrics fellow, Yale-New Haven Hospital

Career stage: Medicine resident. Mentoring role: research mentor. Accomplishments: 2 publications, including 1 first-author paper

2019-Present Jason Roh, MD / Instructor in Medicine, MGH

Career stage: Instructor in Medicine. Mentoring role: co-mentor on K76 Beeson award.

2019-Present Brianne Olivieri-Mui, PhD / T32 Postdoctoral fellow, HSL

Career stage: T32 postdoctoral fellow. Mentoring role: research and career mentor. Accomplishments: 2 abstracts, 2 publications including 1 first-authored paper, Travel Award to the International HIV and Aging Conference

2019-Present Min Ji Kwak, MD, DrPH / Assistant Professor of Medicine, University of Texas Houston

Career stage: Assistant Professor of Medicine. Mentoring role: research and career mentor. Accomplishments: 2 abstracts and 1 first-authored paper, US Deprescribing Network pilot grant.

2019-Present Chan Mi Park, MD / Graduate Student, HSPH

Career stage: Resident and fellow. Mentoring role: research and career mentor.
Accomplishments: 8 abstracts, 3 publications, including 2 first-authored papers, Best Abstract Award at the Korean Geriatrics Society meeting

2019-Present Molly Jarman, PhD / Instructor in Surgery, BWH

Career stage: Instructor in Surgery. Mentoring role: co-mentor on K01 award.

2019-2020 Nileesa Gautam, BS / Graduate student, London School of Hygiene & Tropical Medicine

Career stage: research assistant. Mentoring role: research mentor. Accomplishments: 1 first-authored paper

2019-2020 Rebecca Masutani, MD / Geriatrics fellow, Icahn School of Medicine at Mount Sinai

Career stage: Medicine resident. Mentoring role: research mentor. Accomplishments: 1 abstract and 1 first-authored paper

2019-Present Victor Liu, MD / Cardiology fellow, Baylor College of Medicine

Career stage: Medicine resident. Mentoring role: research mentor. Accomplishments: 2 abstracts and 1 manuscript (under review)

2020-Present Stephanie Denise M. Sison, MD, MBA / Geriatrics fellow, BIDMC

Career stage: Geriatrics fellow. Mentoring role: research mentor. Accomplishments: 5 abstracts, BIDMC Department of Medicine Fellowship Award for Epidemiology and Clinical Research Training.

2021-Present Kyung Moo Kim, BS / Student, University of Hawaii School of Medicine

Career stage: medical student. Mentoring role: research mentor (Medical Student Training in Aging Research program).

2021-Present Darae Ko, MD, MSc / Assistant Professor of Medicine, Boston Medical Center

Career stage: Assistant Professor. Mentoring role: career and research mentor. Accomplishments: 1 abstract and 1 manuscript.

Formal Teaching of Peers:

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

2017-Present	Preoperative Assessment and Treatment of Elderly	Lecture
	Annual Review of Geriatric Medicine (HMS CME)	Boston

Local Invited Presentations:

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

2018	Frailty in Geriatric Pharmacoepidemiology / Aging Expert Seminar Series
	Division of Aging, BWH

- 2018 Preoperative Geriatric Assessment and Outcomes in Older Adults Undergoing Aortic Valve Replacement / Gerontology Grand Rounds
Division of Gerontology, BIDMC
- 2018 Evaluation of Older Adults Undergoing Aortic Valve Replacement: Role of Preoperative Frailty Assessment / Medical Grand Rounds
Department of Medicine, BWH
- 2018 Measurement of Frailty and Its Applications to Evaluate Health Outcomes in Medicare Data / Harvard Surgical Speaker Series
Center for Surgery and Public Health, BWH
- 2019 Incorporating Frailty Assessment in Clinical Management of Older Adults / General Medicine Grand Rounds
Division of General Medicine, BIDMC
- 2019 Frailty and Outcomes of Aortic Valve Replacement in Older Adults / Rehabilitation Grand Round
Rehabilitation Services, BIDMC
- 2019 Current Topics in Frailty Research / Gerontology Grand Rounds
Division of Gerontology, BIDMC
- 2019 Frailty and Transition of Care for Hospitalized Older Adults / ECHO-CT Webinar
Department of Medicine, BIDMC
- 2020 Frailty Assessment for Clinical Management of Older Adults: Current Status and Future Directions / Research Seminar
Department of Psychosocial Oncology and Palliative Care, DFCI
- 2020 Communicating Evidence on Treatment Effect: Alternatives to Hazard Ratios. Case Studies of COVID-19 and SPRINT / Research Seminar
Division of Pharmacoepidemiology and Pharmacoeconomics, BWH
- 2021 Frailty-Guided Clinical Management / Medical Grand Rounds
Department of Medicine, Mount Auburn Hospital
Cambridge, MA (virtual)
- 2021 Preoperative Frailty Assessment / Invited Lecture
Department of Surgery, Mount Auburn Hospital
Cambridge, MA (virtual)

Report of Regional, National and International Invited Teaching and Presentations

National Presentations:

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

- 2006 Association of Reduced Heart Rate Variability with Cognitive Impairment in Older Disabled Women in the Community (selected oral abstract)
American Geriatrics Society Annual Scientific Meeting
Chicago, IL
- 2015 How Do We Achieve Patient-Centered Care for the Complex Older Cardiology Patient / Preconference Sessions
American Geriatrics Society Annual Scientific Meeting
National Harbor, MD
- 2016 Preoperative Frailty Assessment and Outcomes After Cardiac Surgery / Invited Lecture
Annual Korean American Medical Association Convention
Palisades, NY
- 2017 Considerations in Frailty Measurement for Clinical and Database Research in Aging Research / Invited Lecture
Michael E. DeBakey VA Medical Center
Houston, TX
- 2017 Usefulness and Caveats of Epidemiologic Studies for Care of Older Adults with Frailty and Multimorbidity / Invited Lecture
Huffington Center on Aging, Baylor College of Medicine
Houston, TX
- 2017 Frailty Assessment and 6-Month Functional Status and Mortality After Aortic Valve Replacement (selected oral abstract)
American Geriatrics Society Annual Scientific Meeting
San Antonio, TX
- 2017 Variation in Antipsychotic Use in Hospitalized Older Adults After Cardiac Surgery (selected oral abstract)

- American Delirium Society Annual Meeting
Nashville, TN
- 2018 Who Am I? Dementia, Frailty, and Patient Selection / Invited Lecture
American College of Cardiology Annual Scientific Session
Orlando, FL
- 2018 Clinical and Functional Outcomes of Postoperative Delirium After Transcatheter and Surgical Aortic Valve Replacement (selected oral abstract)
American Delirium Society Annual Meeting
San Francisco, CA
- 2018 Measurement of Frailty and Its Applications to Evaluate Health Outcomes in Medicare Data / Invited Lecture
University of Pittsburgh Graduate School of Public Health
Pittsburgh, PA
- 2018 Validation of a Claims-Based Frailty Index Against Physical Performance and Clinical Outcomes (selected oral abstract)
Gerontological Society of America Annual Meeting
Boston, MA
- 2018 Frailty and Benefit of Dabigatran versus Warfarin in Older Adults with Atrial Fibrillation (selected oral abstract)
Gerontological Society of America Annual Meeting
Boston, MA
- 2019 Utilization and Safety of Antipsychotics in Hospitalized Older Adults: Evidence from Real-World Database (selected oral abstract)
American Delirium Society Annual Meeting
Boston, MA
- 2019 Use of Routine Healthcare Database to Generate Evidence to Inform Medical Therapy in Older Adults with Frailty / Invited Lecture
Korean American Medical Association Annual Convention
New York, NY
- 2019 Frailty and the Effectiveness and Safety of Newly Approved Glucose-Lowering Drugs in Older Adults with Type 2 Diabetes (selected oral abstract)

- Gerontological Society of America Annual Meeting
Austin, TX
- 2020 Propensity Score Analysis in Aging Research / Invited Webinar
Rutgers Asian Resource Center for Minority Aging Research
New Brunswick, NJ
- 2020 Frailty Algorithms for Medicare Data / Symposium
Academy Health Annual Research Meeting
Boston, MA
- 2020 Frailty-Guided Clinical Management – Time to Take Action / Invited Lecture
UCSF Geriatrics Grand Rounds
San Francisco, CA (virtual)
- 2021 Frailty-Guided Clinical Management / Invited Lecture
Memorial Sloan Kettering Cancer Center Cancer and Aging Interprofessional Team
Seminar
New York, NY (virtual)
- 2021 Health Care Outcomes and Costs in the Intersection of Dementia and Frailty: Utility of
Claims-Based Frailty Index / Invited Lecture
R13 NIH-Duke-Alzheimer’s Association Workshop
Durham, NC (virtual)
- 2021 Frailty Assessment Before TAVR / Invited Lecture
Baylor College of Medicine Geriatrics Grand Rounds
Houston, TX (virtual)
- 2021 Confounding in Delirium Pharmacoepidemiologic Research / Symposium
American Delirium Society Annual Meeting
Virtual

International Presentations:

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

- 2014 The Role of Microvascular Disease in Successful Aging / Plenary Talk (abstract)
Korean Society of Preventive Medicine Annual Meeting, Gyungju, Korea

- 2015 Transcatheter Aortic Valve Replacement and Cardiac Surgery in the Oldest Old: A Geriatrician's Perspective / Invited Lecture
Canadian Geriatrics Society Annual Scientific Meeting, Montreal, Quebec, Canada
- 2016 Considerations in Measuring Frailty in Clinical Care and Research / Invited Lecture
Asan Medical Center, Seoul, Korea
- 2016 Modifiable Risk Factors and Interventions to Prevent Cognitive Aging / Invited Lecture
Pusan National University, Busan, Korea
- 2017 Frailty Assessment and 6-Month Functional Status and Mortality After Aortic Valve Replacement (selected oral abstract)
International Association of Gerontology and Geriatrics World Congress, San Francisco, CA, USA
- 2018 Frailty and Benefit of Dabigatran versus Warfarin in Older Adults with Atrial Fibrillation (selected oral abstract)
International Conference on Pharmacoepidemiology, Prague, Czech Republic
- 2018 Frailty and Risk of Adverse Events Associated with Dipeptidyl Peptidase-4 Inhibitors versus Sulfonylureas in Older Adults with Type 2 Diabetes (selected oral abstract)
International Conference on Pharmacoepidemiology, Prague, Czech Republic
- 2018 Measurement of Frailty and Its Applications to Evaluate Health Outcomes in Medicare Data / Geriatric Academic Round
Dalhousie University, Halifax, Nova Scotia, Canada
- 2019 Frailty Assessment for Clinical Management of Older Adults: Challenges and Opportunities / Invited Lecture
Korea University, Seoul, Korea
- 2020 At the Intersection of Frailty and Pharmacoepidemiology: Foundation, Applications, and Future Directions / Symposium
International Conference on Pharmacoepidemiology, online due to COVID-19

Report of Clinical Activities and Innovations

Current Licensure and Certification:

- 2001 Korean Medical License

2003	Educational Commission for Foreign Medical Graduates Certificate
2005	BLS/ACLS Provider
2008	Massachusetts Medical License (Full License)
2008, 2018	American Board of Internal Medicine (Specialty: Internal Medicine)
2009	American Board of Internal Medicine (Specialty: Geriatric Medicine)

Practice Activities:

2009-2018	Inpatient care (moonlighting)	Mount Auburn Hospital, Cambridge, MA	Six weekends per year
2010-Present	Ambulatory care	BIDMC, Boston, MA	One half-day session per week (4 hours/week)
2010-Present	Inpatient and consultation care	BIDMC, Boston, MA	Five or six weeks per year

Clinical Innovations:

Development of frailty assessment in electronic health records (EHR) at BIDMC (2019-2020)	The BIDMC EHR has been modified for structured capture of the key elements of geriatric assessment and automatic calculation of a deficit-accumulation frailty index. These changes have enabled 1) longitudinal monitoring of frailty and function of older patients; 2) estimation of prognosis (e.g., mortality, disability, hospitalizations, and falls); 3) individualized care plan; and 4) training of medicine residents and geriatrics fellows in comprehensive geriatric assessment and frailty assessment.
Routine frailty assessment at BIDMC (2020-Present)	This quality improvement initiative involves routine assessment of frailty for older adults with serious illness in Senior Health Practice and for older surgical patients in Pre-Admission Testing center at BIDMC. Feasibility of routine assessment has been established (86% completion). This information has been used to develop a comprehensive care plan and identify high-risk patients for further interventions (e.g., BIDMC care management program).

Report of Education of Patients and Service to the Community:

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

2021	BIDMC Senior Health Practice / Lecturer
	Delivered a <i>Senior Spotlight</i> talk on frailty to lay groups.

Report of Scholarship

ORCID ID: 0000-0001-7290-6838

Peer-Reviewed Publications in Print or Other Media:

Research Investigations

1. **Kim DH**, Lipsitz LA, Ferrucci L, Varadhan R, Guralnik JM, Carlson M, Fleisher LA, Fried LP, Chaves PH. Association of Reduced Heart Rate Variability with Cognitive Impairment in Older Disabled Women in the Community: Women's Health and Aging Study I. *J Am Geriatr Soc.* 2006; 54: 1751-1757. PMID: 17087704 PMCID: PMC2276586
2. **Kim DH**, Daskalakis C, Plumb JD, Adams S, Brawer R, Orr N, Hawthorne K, Cunningham E, Whellan DJ. Modifiable Cardiovascular Risk Factors Among Individuals in Low Socioeconomic Communities and Homeless Shelters. *Fam Community Health.* 2008; 31: 269-280. PMID: 18794634
3. **Kim DH**, Daskalakis C, Lee AN, Adams S, Hohmann S, Silvestry SC, Medvedev S, Whellan DJ. Racial Disparity in the Relationship between Hospital Volume and Mortality among Patients Undergoing Coronary Artery Bypass Grafting. *Ann Surg.* 2008; 248: 886-892. PMID: 18948819
4. **Kim DH**, Sabour S, Sagar UN, Adams S, Whellan DJ. Prevalence of Hypovitaminosis D in Cardiovascular Diseases (From the National Health and Nutrition Examination Survey 2001-2004). *Am J Cardiol.* 2008; 102: 1540-1544. PMID: 19026311
5. Park SE, **Kim DH**, Lee JH, Park JS, Kang ES, Ahn CW, Lee HC, Cha BS. Retinol-Binding Protein-4 is Associated with Endothelial Dysfunction in Adults with Newly Diagnosed Type 2 Diabetes Mellitus. *Atherosclerosis.* 2009; 204: 23-25. PMID: 18838136
6. Park SE, Kim HM, **Kim DH**, Kim J, Cha BS, Kim DJ. The association between sleep duration and general and abdominal obesity in Koreans: Data from the Korean National Health and Nutrition Examination Survey, 2001 and 2005. *Obesity (Silver Spring).* 2009; 17: 767-771. PMID: 19180067
7. **Kim DH**, Chung HJ, Bleys J, Ghohestani RF. Is Paromomycin an Effective and Safe Treatment Against Cutaneous Leishmaniasis? A Meta-Analysis of 14 Randomized Controlled Trials. *PLoS Negl Trop Dis.* 2009; 3: e381. PMID: 19221595 PMCID: PMC2637543
8. **Kim DH**, Daskalakis C, Whellan DJ, Whitman IR, Hohmann S, Medvedev S, Kraft WK. Safety of Selective Serotonin Reuptake Inhibitor in Adults Undergoing Coronary Artery Bypass Grafting. *Am J Cardiol.* 2009; 103: 1391-1395. PMID: 19427434

9. **Kim DH**, Sagar UN, Adams S, Whellan DJ. Lifestyle risk factors and utilization of preventive services in disabled elderly adults in the community. *J Community Health*. 2009; 34: 440-448. PMID: 19517224
10. Park SE, Kang ES, **Kim DH**, Kim SK, Kim HJ, Lee JH, Ahn CW, Lee HC, Cha BS. Effect of ABCA1 Variant on Atherogenic Dyslipidemia in Patients with Type 2 Diabetes Treated with Rosiglitazone. *Diabet Med*. 2009; 26: 577-581. PMID: 19538231
11. **Kim DH**, Daskalakis C, Silvestry SC, Sheth MP, Lee AN, Adams S, Hohmann S, Medvedev S, Whellan DJ. Aspirin and Clopidogrel Use in the Early Postoperative Period Following On-pump and Off-pump Coronary Artery Bypass Grafting. *J Thorac Cardiovasc Surg*. 2009; 138: 1377-1384. PMID: 19931667
 - Vaduganathan M, Suissa S. Immortal Person-Time Bias in Observational Studies in Cardiac Surgery. *J Thorac Cardiovasc Surg*. 2011; 141: 850-851. Author Reply 851-852.
12. **Kim DH**, Newman AB, Hajjar I, Strotmeyer ES, Klein R, Newton E, Sarnak MJ, Burke GL, Lipsitz LA. Retinal Microvascular Signs and Functional Loss in Older Persons: The Cardiovascular Health Study. *Stroke*. 2011; 42: 1589-1595. PMID: 21493913; PMCID: PMC3127407
13. **Kim DH**, Brown RT, Ding EL, Kiel DP, Berry SD. Dementia Medications and Risk of Falls, Syncope, and Related Adverse Events: Meta-Analysis of Randomized Controlled Trials. *J Am Geriatr Soc*. 2011; 59: 1019-1031. PMID: 21649634; PMCID: PMC3260523
 - Hartikainen S, Bell JS. Review: In People With Dementia, Cholinesterase Inhibitors May Increase Syncope and Memantine May Reduce Fractures. *Evid Based Ment Health*. 2011; 14: 111.
 - Ng B. ACP Journal Club. Review: Cholinesterase Inhibitors But Not Memantine Increase Syncope in Older Adults With Mild Cognitive Impairment or Dementia. *Ann Intern Med*. 2011; 155: JC5-10.
14. **Kim DH**, Chaves PHM, Newman AB, Klein R, Sarnak MJ, Newton E, Strotmeyer ES, Burke GL, Lipsitz LA. Retinal Microvascular Signs and Disability in the Cardiovascular Health Study. *Arch Ophthalmol*. 2012; 130: 350-356. PMID: 22084159; PMCID: PMC3520093
15. Kiely DK, Gross AL, **Kim DH**, Lipsitz LA. The Independent Association of Educational Attainment and Systolic Blood Pressure Among Older Community-Living Adults: The MOBILIZE Boston Study. *J Hypertens*. 2012; 30: 1518-1525. PMID: 22688267; PMCID: PMC3447007
16. Thielke S, Whitson H, Diehr P, O'Hare A, Kearney P, Chaudhry S, Zakai N, **Kim D**, Sekaran N, Sale J, Arnold A, Chaves P, Newman A. Persistence and Remission of Musculoskeletal Pain Among Community-Dwelling Older Adults: Results from the Cardiovascular Health Study. *J Am Geriatr Soc*. 2012; 60: 1393-1400. PMID: 22861385; PMCID: PMC3633775

17. Okereke OI, Rosner BA, **Kim DH**, Kang JH, Cook NR, Manson JE, Buring JE, Willett WC, Grodstein F. Dietary Fat Types and 4 Years Cognitive Change in Community-Dwelling Older Women. *Ann Neurol.* 2012; 72: 124-134. PMID: 22605573; PMCID: PMC3405188
18. **Kim DH**, Grodstein F, Rosner B, Kang JH, Cook NR, Manson JE, Buring JE, Willett WC, Okereke OI. Seafood Types and Age-Related Cognitive Decline in the Women's Health Study. *J Gerontol Med Sci.* 2013; 68: 1255-1262. PMID: 23554464; PMCID: PMC3779629
19. **Kim DH**, Newman AB, Lipsitz LA. Prediction of Severe Persistent Activity of Daily Living Disability in Older Adults. *Am J Epidemiol.* 2013; 178: 1085-1093. PMID: 23785110; PMCID: PMC3783096
20. **Kim DH**, Kim C, Ding EL, Townsend MK, Lipsitz LA. Adiponectin Levels and the Risk of Hypertension: A Systematic Review and Meta-Analysis. *Hypertension.* 2013; 62: 27-32. PMID: 23716587; PMCID: PMC3729220
21. **Kim DH**, Grodstein F, Newman AB, Chaves PHM, Odden MC, Klein R, Sarnak MJ, Patel KV, Lipsitz LA. Prognostic Implications of Microvascular and Macrovascular Abnormalities in Older Adults: Cardiovascular Health Study. *J Gerontol A Biol Sci Med Sci.* 2014; 69: 1495-1502. PMID: 24864308 PMCID: PMC4271022
22. Kim CA,** Rasanian SP, Afilalo J, Popma JJ, Lipsitz LA, **Kim DH**. Functional Status and Quality of Life After Transcatheter Aortic Valve Replacement: A Systematic Review. *Ann Intern Med.* 2014; 160: 243-254. PMID: 24727842 PMCID: PMC4039034 (**mentee)
23. **Kim DH**, Schneeweiss S. Measuring Frailty Using Claims Data for Pharmacoepidemiologic Studies of Mortality in Older Adults: Evidence and Recommendations. *Pharmacoepidemiol Drug Saf.* 2014; 23: 891-901. doi: 10.1002/pds.3674. PMID: 24962929 PMCID: PMC4149846
24. **Kim DH**, Roger JR, Fulchino LA, Kim CA, Solomon DH, Kim SC. Bisphosphonates and Adverse Cardiovascular Events: A Meta-Analysis. *PloS ONE.* 2015; 10: e0122646. PMID: 25884398 PMCID: PMC4401508
25. Fowler-Brown A, **Kim DH**, Shi L, Marcantonio ER, Wee CC, Shmerling RH, Leveille S. The Mediating Effect of Leptin on the Relationship Between Body Weight and Knee Osteoarthritis in Older Adults. *Arthritis Rheumatol.* 2015; 67: 169-175. PMID: 25302634 PMCID: PMC4504208
26. Kiely DK, **Kim DH**, Gross AL, Habtemariam DA, Leveille SG, Li W, Lipsitz LA. Fall Risk is Not Black and White. *J Health Dispar Res Pract.* 2015; 8: 67-79. PMID: 26855845 PMCID: PMC4739813
27. **Kim DH**, Grodstein F, Newman AB, Chaves PHM, Odden MC, Klein R, Sarnak MJ, Lipsitz LA. Microvascular and Macrovascular Abnormalities, and Cognitive and Physical Function In Older Adults: Cardiovascular Health Study. *J Am Geriatr Soc.* 2015; 63: 1886-1893. PMID: 26338279 PMCID: PMC4578971

28. Kim CA,** **Kim DH**. Statins Benefit Less in Populations with High Non-Cardiovascular Mortality Risk: Meta-Regression of Randomized Controlled Trials. *J Am Geriatr Soc*. 2015; 63: 1413-1419. PMID: 26173475 PMCID: PMC4509928 (**mentee)
29. Jung HW,** Jang IY,** Lee YS, Lee CK, Cho EI, Kang WY, Chae JH, Lee EJ, **Kim DH**. Prevalence of Frailty and Aging-Related Health Conditions in Older Koreans in Rural Communities: A Cross-Sectional Analysis of the Aging Study of Pyeongchang Rural Area. *J Korean Med Sci*. 2016; 31: 345-352. PMID: 26952571; PMCID: PMC4779857 (*co-first author; **mentee)
30. Jang IY,** Jung HW,** Lee CK, Lee YS, Kim KI, Lee EJ, **Kim DH**. Rural and Urban Disparities in Frailty and Aging-Related Health Conditions in Korea. *J Am Geriatr Soc*. 2016; 64: 908-911. PMID: 27100601; PMCID: PMC5107255 (**mentee)
31. Sanders JL, Arnold AM, Hirsch CH, Thielke SM, **Kim D**, Mukamal KJ, Kizer JR, Ix JH, Kaplan RC, Kritchevsky SB, Newman AB. Effects of Disease Burden and Functional Adaptation on Morbidity and Mortality on Older Adults. *J Am Geriatr Soc* 2016; 64: 1242-1249. PMID: 27321602; PMCID: PMC4922749
32. Kim SC, **Kim DH**, Mogun H, Eddings W, Polinski JM, Franklin JM, Solomon DH. Impact of the US Food and Drug Administration's Safety-Related Announcements on the Use of Bisphosphonates After Hip Fracture. *J Bone Miner Res*. 2016; 31: 1536-1540. PMID: 26969902; PMCID: PMC5040596
33. **Kim DH**, Kim CA, Placide S, Lipsitz LA, Marcantonio ER. Preoperative Frailty Assessment and Outcomes at 6 Months or Later in Older Adults Undergoing Cardiac Surgical Procedures: A Systematic Review. *Ann Intern Med*. 2016; 165: 650-660. PMID: 27548070; PMCID: PMC5088065
 - Tang VL, Covinsky K. Frailty and Surgical Decision Making. *Ann Intern Med*. 2016; 165: 669-670.
 - Wesorick DH, Chopra V. Annals for Hospitalists – 15 November 2016. *Ann Intern Med*. 2016; 165: HO1. Doi: 10.7326/AFHO201611150
34. Jang IY,** Jung HW,** Lee CK, Lee YS, Lee E, **Kim DH**. Comparison Between Korean Version of Physical Activity Scale for the Elderly and International Physical Activity Questionnaire-Short Form in Evaluation of Frailty Phenotype. *Ann Geriatr Med Res*. 2017; 21: 101-107. doi: <https://doi.org/10.4235/agmr.2017.21.3.101> (**mentee)
35. **Kim DH**, Huybrechts KF, Paterno E, Marcantonio ER, Park Y, Levin R, Abdurrob A, Bateman BT. Adverse Events Associated with Antipsychotic Use in Hospitalized Older Adults After Cardiac Surgery. *J Am Geriatr Soc*. 2017; 65: 1229-1237. PMID: 28186624; PMCID: PMC5478449

36. **Kim DH**, Lee J, Kim CA, Huybrechts KF, Bateman BT, Patorno E, Marcantonio ER. Evaluation of Algorithms to Identify Delirium in Administrative Claims and Drug Utilization Database. *Pharmacoepidemiol Drug Saf.* 2017; 26: 945-953. PMID: 28485014; PMCID: PMC5583076.
37. Afilalo J, Lauck S, **Kim DH**, Lefevre T, Piazza N, Lachapelle K, Martucci G, Lamy A, Labinaz M, Peterson MD, Arora RC, Noiseux N, Rassi A, Palacios IF, Genereux P, Lindman BR, Asgar AW, Kim CA, Trnkus A, Morais JA, Langlois Y, Rudski LG, Morin JF, Popma JJ, Webb JG, Perrault LP. Frailty in Elderly Patients Undergoing Aortic Valve Replacement: The FRAILTY-AVR Study. *J Am Coll Cardiol.* 2017; 70: 689-700. PMID: 28693934
38. Jang IY,** Jung HW,** Lee CK, Jang KH, Cho EI, Jung JJ, Park E, Kim J, Lee YS, Lee E, **Kim DH**. Korean Version of the Fatigue, Resistance, Ambulation, Illnesses and Loss of Weight Questionnaire versus the Modified Kihon Checklist for Frailty Screening in Community-Dwelling Older Adults: The Aging Study of PyeongChang Rural Area. *Geriatr Gerontol Int.* 2017; 17: 2046-2052. doi: 10.1111/ggi.13017. PMID: 28371215; PMCID: PMC5623130 (**mentee)
39. Pak K,* Uno H,* **Kim DH**,* Tian L, Kane RC, Takeuchi M, Fu H, Claggett B, Wei LJ. Interpretability of Cancer Clinical Trial Results Using Restricted Mean Survival Time as an Alternative to the Hazard Ratio. *JAMA Oncol.* 2017; 3: 1692-1696. PMID: 28975263; PMCID: PMC5824272 (*co-first author)
40. Jang IY,** Lee CK, Jung HW,** Yu SS, Lee YS, Lee E, **Kim DH**. Urologic Symptoms and Burden of Frailty and Geriatric Conditions in Older Men: The Aging Study of Pyeongchang Rural Area. *Clin Interv Aging.* 2018; 13: 297–304. doi: 10.2147/CIA.S158717. PMID: 29503533; PMCID: PMC5824760 (**mentee)
 - Griebing TL. Re: Urologic Symptoms and Burden of Frailty and Geriatric Conditions in Older Men: The Aging Study of PyeongChang Rural Area. *J Urol.* 2019; 202: 189. doi: 10.1097/01.JU.0000559737.53406.e4. PMID: 31075065
41. Drudi LM, Ades M, Turkdogan S, Huynh C, Lauck S, Webb JG, Piazza N, Martucci G, Langlois Y, Perrault LP, Asgar AW, Labinaz M, Lamy A, Noiseux N, Peterson MD, Arora RC, Lindman BR, Bendayan M, Mancini R, Trnkus A, **Kim DH**, Popma JJ, Afilalo J. Association of Depression with Mortality in Older Adults Undergoing Transcatheter or Surgical Aortic Valve Replacement. *JAMA Cardiol.* 2018; 3: 191-197. PMID: 29344620; PMCID: PMC5885887.
42. Park Y, Bateman BT, **Kim DH**, Hernandez-Diaz S, Patorno E, Glynn RJ, Mogun H, Huybrechts KF. Use of Haloperidol versus Atypical Antipsychotics and Risk of In-Hospital Death in Patients with Acute Myocardial Infarction: Cohort Study. *BMJ* 2018; 360: k1218. PMID: 29592958; PMCID: PMC5871903.
43. Zhao L, Tian L, Claggett B, Pfeffer M, **Kim DH**, Solomon S, Wei LJ. Estimating Treatment Effect with Clinical Interpretation from a Comparative Clinical Trial With an End Point Subject to Competing Risks. *JAMA Cardiol.* 2018; 3: 357-358. doi: 10.1001/jamacardio.2018.0127. PMID: 29541747; PMCID: PMC5875301

44. Wu C, **Kim DH**, Xue Q, Lee D, Varadhan R, Odden MC. Association of Frailty with Recovery from Disability among Community-Dwelling Older Adults: Results from Two Large U.S. Cohorts. *J Gerontol A Biol Sci Med Sci*. 2019; 74: 575-581. doi: 10.1093/gerona/gly080. PMID: 29648574; PMCID: PMC6601525
45. Wu C, Geldhof GJ, Xue Q, **Kim DH**, Newman AB, Odden MC. Development, Construct Validity, and Predictive Validity of a Continuous Frailty Scale: Results from Two Large U.S. Cohorts. *Am J Epidemiol*. 2018; 187: 1752-1762. doi: 10.1093/aje/kwy041. PMID: 29688247; PMCID: PMC6070050.
46. Horiguchi M, Tian L, Uno H, Cheng S, **Kim DH**, Schrag D, Wei LJ. Quantification of Long-term Survival Benefit in a Comparative Oncology Clinical Study. *JAMA Oncol*. 2018; 4: 881-882. doi: 10.1001/jamaoncol.2018.0518. PMID: 29801103; PMCID: PMC6145678.
47. Huang B, Tian L, Talukder E, Rothenberg M, **Kim DH**, Wei LJ. Evaluating Treatment Effect Based on Duration of Response for a Comparative Oncology Study. *JAMA Oncol*. 2018; 4: 874-876. doi: 10.1001/jamaoncol.2018.0275. PMID: 29710201.
48. **Kim DH**, Schneeweiss S, Lipsitz LA, Glynn R, Rockwood K, Avorn J. Measuring Frailty in Medicare Data: Development and Validation of a Claims-Based Frailty Index. *J Gerontol A Biol Sci Med Sci*. 2018; 73: 980-987. doi: 10.1093/gerona/glx229. PMID: 29244057; PMCID: PMC6001883.
 - Varadhan R, Segal J, Carlson M, Walston J. Claims-Based Frailty Index Options. *J Gerontol A Biol Sci Med Sci*. 2018; 73: 988. doi: 10.1093/gerona/gly055. PMID: 29697751
 - **Kim DH**, Schneeweiss S, Glynn R. Comparing Approaches to Measure Frailty in Medicare Data – Deficit-Accumulation Frailty Index Versus Phenotypic Frailty. *J Gerontol A Biol Sci Med Sci*. 2018; 73: 989-990. Doi: 10.1093/gerona/gly054. PMID: 29697776; PMCID: PMC6279157.
 - van Domelen DR, Bandeen-Roche KJ. A note on proposed estimation procedures for claims-based frailty indexes. *Am J Epidemiol*. 2019. doi: 10.1093/aje/kwz247. [Epub ahead of print]. PMID: 31673711
 - **Kim DH**, Schneeweiss S, Glynn RJ, Kim Et Al. Respond to “Estimation With Claims-Based Frailty Indexes”. *Am J Epidemiol*. 2020; 189: 373-374 doi: 10.1093/aje/kwz250. [Epub ahead of print]. PMID: 31673698
49. Krishnaswami A, **Kim DH**, McCulloch CE, Forman DE, Maurer MS, Alexander KP, Rich MW. Individual and Joint Effects of Pulse Pressure and Blood Pressure Treatment on Serious Adverse Events in the SPRINT Trial. *Am J Med*. 2018; 131: 1220-1227. doi: 10.1016/j.amjmed.2018.05.027. PMID: 29940151.

50. Buitrago DH,** Gangadharan SP, Majid A, Alape D, Wilson JL, Parikh M, **Kim DH**. Frailty Characteristics Predict Respiratory Failure in Patients Undergoing Tracheobronchoplasty. *Ann Thorac Surg*. 2018; 106: 836-841. doi: 10.1016/j.athoracsur.2018.05.065. PMID: 29959941; PMCID: PMC6205233. (**mentee)
51. Goldfarb M, Lauck S, Webb JG, Asgar AW, Perrault LP, Piazza N, Martucci G, Lachapelle K, Noiseux N, **Kim DH**, Popma JJ, Lefèvre T, Labinaz M, Lamy A, Peterson MD, Arora RC, Morais JA, Morin JF, Rudski L, Afilalo J. Malnutrition and Mortality in Frail and Non-Frail Older Adults Undergoing Aortic Valve Replacement. *Circulation*. 2018; 138: 2202-2211. doi: 10.1161/CIRCULATIONAHA.118.033887. PMID: 29976568.
52. **Kim DH**, Mahesri M, Bateman BT, Huybrechts KF, Inouye SK, Marcantonio ER, Herzig SJ, Ely EW, Pisani MA, Levin R, Avorn J. Longitudinal Trends and Variation in Antipsychotic Use in Older Patients After Cardiac Surgery. *J Am Geriatr Soc*. 2018; 66: 1491-1498. doi: 10.1111/jgs.15418. PMID: 30125337; PMCID: PMC6217828.
53. Jang IY,** Jung HW,** Park H, Lee CK, Yu SS, Lee YS, Lee E, Glynn RJ, **Kim DH**. A Multicomponent Frailty Intervention for Socioeconomically Vulnerable Older Adults: A Designed-Delay Study. *Clin Interv Aging*. 2018; 13:1799-1814. doi: 10.2147/CIA.S177018. PMID: 30275687; PMCID: PMC6156114 (**mentee)
54. Orkaby A,** Rich MW, Sun R, Lux E, Wei LJ, **Kim DH**. Pravastatin for Primary Prevention in Older Adults: Restricted Mean Survival Time Analysis. *J Am Geriatr Soc*. 2018; 66: 1987-1991. doi: 10.1111/jgs.15509. PMID: 30251369; PMCID: PMC6181782. (**mentee)
55. Drudi LM, Ades M, Asgar A, Perrault L, Lauck S, Webb JG, Rassi A, Lamy A, Noiseux N, Peterson MD, Labinaz M, Lefèvre T, Popma JJ, **Kim DH**, Martucci G, Piazza N, Afilalo J. Interaction Between Frailty and Access Site in Older Adults Undergoing Transcatheter Aortic Valve Replacement. *JACC Cardiovasc Interv*. 2018; 11: 2185-2192. doi: 10.1016/j.jcin.2018.06.037. PMID: 30343019
56. Fralick M, Kim SC, Schneeweiss S, **Kim D**, Redelmeier DA, Paterno E. Fracture Risk After Initiating Canagliflozin: A Multi-Database Cohort Study. *Ann Intern Med*. 2019; 170: 155-163. doi: 10.7326/M18-0567. PMID: 30597484; PMCID: PMC6602870
57. Pighi M, Piazza N, Martucci G, Lachapelle K, Perrault LP, Asgar AW, Lauck S, Webb JG, Popma JJ, **Kim DH**, Lefèvre T, Labinaz M, Lamy A, Peterson MD, Arora RC, Noiseux N, Trnkus A, Afilalo J. Sex-Specific Determinants of Outcomes After Transcatheter Aortic Valve Replacement. *Circ Cardiovasc Qual Outcomes*. 2019; 12: e005363. doi:10.1161/CIRCOUTCOMES.118.005363. PMID: 30879326.

58. **Kim DH**, Afilalo J, Shi SM, Popma JJ, Khabbaz KR, Laham RJ, Grodstein F, Guibone K, Lux E, Lipsitz LA. Evaluation of Changes in Functional Status in the Year Following Aortic Valve Replacement. *JAMA Intern Med.* 2019; 179: 383-391. doi:10.1001/jamainternmed.2018.6738. PMID: 30715097; PMCID: PMC6439710
- Seib CD, Finlayson E. Invasive Procedures to Improve Function in Frail Older Adults: Do Outcomes Justify the Intervention? *JAMA Intern Med.* 2019; 179: 391-393. doi:10.1001/jamainternmed.2018.6708
59. Lee H,** Shi SM, **Kim DH**. Home Time as a Patient-Centered Outcome in Administrative Claims Data. *J Am Geriatr Soc.* 2019; 67: 347-351. doi: 10.1111/jgs.15705. PMID: 30578532; PMCID: PMC6367008 (**mentee)
60. Shi SM,** Sung M,** Afilalo J, Lipsitz LA, Kim CA, Popma JJ, Khabbaz KR, Laham RJ, Guibone K, Lee J, Marcantonio ER,* **Kim DH**.* Delirium Incidence and Functional Outcomes after Transcatheter and Surgical Aortic Valve Replacement. *J Am Geriatr Soc.* 2019; 67: 1393-1401. doi: 10.1111/jgs.15867. PMID: 30882905; PMCID: PMC6612597 (**Mentee)
61. Murphy TE, Tsang SW, Leo-Summers LS, Geda M, **Kim DH**, Oh E, Allore HG, Dodson J, Hajduk AM, Gill TM, Chaudhry SI. Bayesian Model Averaging for Selection of a Risk Prediction Model for Death within Thirty Days of Discharge: The SILVER-AMI Study. *Int J Stats Med Res.* 2019; 8: 1-7. doi: 10.6000/1929-6029.2019.08.01. PMID: 31178945; PMCID: PMC6553647.
62. Sathananthan J, Lauck S, Piazza N, Martucci G, **Kim DH**, Popma JJ, Asgar AW, Perrault LP, Lefèvre T, Labinaz M, Lamy A, Peterson MD, Arora RC, Noiseux N, Généreux P, Webb JG, Afilalo J. Habitual Physical Activity in Older Adults Undergoing TAVR: Insights From the FRAILTY-AVR Study. *JACC Cardiovasc Interv.* 2019; 12: 781-789. doi: 10.1016/j.jcin.2019.02.049. PMID: 31000014.
63. Hosler QP,** Maltagliati AJ,** Shi SM,** Afilalo J, Popma JJ, Khabbaz KR, Laham RJ, Guibone K, **Kim DH**. A Practical Two-Stage Frailty Assessment for Older Adults Undergoing Aortic Valve Replacement. *J Am Geriatr Soc.* 2019; 67: 2031-2037. doi: 10.1111/jgs.16036. PMID: 31211413; PMCID: PMC6800747 (**Mentee)
64. Shi SM,** Afilalo J, Lipsitz LA, Popma JJ, Khabbaz KR, Laham RJ, Guibone K, Grodstein F, Lux E, **Kim DH**. Frailty Phenotype and Deficit Accumulation Frailty Index in Predicting Recovery After Transcatheter and Surgical Aortic Valve Replacement. *J Gerontol A Biol Sci Med Sci.* 2019; 74: 1249-1256. doi: https://doi.org/10.1093/gerona/gly196. PMID: 30165422; PMCID: PMC6625585 (**Mentee)
65. Orkaby AR,** Nussbaum L, Ho YL, Gagnon D, Quach L, Ward R, Quaden R, Yaksic E, Harrington K, Paik JM, **Kim DH**, Wilson PW, Gaziano JM, Djousse L, Cho K, Driver JA. The Burden of Frailty among US Veterans and its Association with Mortality, 2002-2012. *J Gerontol A Biol Sci Med Sci.* 2019; 74: 1257-1264. doi: 10.1093/gerona/gly232. PMID: 30307533; PMCID: PMC6625596 (**Mentee)

66. Nguyen QD,** Wu C, Odden MC, **Kim DH**. Multimorbidity Patterns, Frailty, and Survival in Community-Dwelling Older Adults. *J Gerontol A Biol Sci Med Sci*. 2019; 74: 1265-1270. doi: 10.1093/gerona/gly205. PMID: 30169580; PMCID: PMC6625582 (**Mentee)
67. **Kim DH**, Glynn RJ, Avorn J, Lipsitz LA, Rockwood K, Pawar A, Schneeweiss S. Validation of a Claims-Based Frailty Index Against Physical Performance and Adverse Health Outcomes in the Health and Retirement Study. *J Gerontol A Biol Sci Med Sci*. 2019; 74: 1271-1276. doi: <https://doi.org/10.1093/gerona/gly197>. PMID: 30165612; PMCID: PMC6625579
68. Dave CV, Schneeweiss S, **Kim D**, Fralick M, Tong A, Paterno E. Sodium-Glucose Cotransporter 2 Inhibitors and the Risk of Severe Urinary Tract Infections. *Ann Intern Med*. 2019 July 30. doi: 10.7326/M18-3136. [Epub ahead of print]. PMID: 31357213; PMCID: PMC6989379.
 - Fillion KB, Yu OH. Sodium–Glucose Cotransporter-2 Inhibitors and Severe Urinary Tract Infections: Reassuring Real-World Evidence. *Ann Intern Med*. 2019 July 30. doi: 10.7326/M19-1950. [Epub ahead of print]. PMID: 31357211.
69. Park H, Jang IY,** Lee H, Jung HW,** Lee E, **Kim DH**. Screening Value of Social Frailty and Its Association with Physical Frailty and Disability in Community-Dwelling Older Koreans: Aging Study of PyeongChang Rural Area. *Int J Environ Res Public Health*. 2019; 16: 2809. doi:10.3390/ijerph16162809. PMID: 31394719; PMCID: PMC6720732 (**Mentee)
70. Goyal P, Anderson T, Bernacki GM, Marcum ZA, Orkaby A, **Kim D**, Zullo A, Krishnaswami A, Weissman A, Steinman MA, Rich MW. Physician Perspectives on Deprescribing Cardiovascular Medications for Older Adults. *J Am Geriatr Soc*. 2019. doi: 10.1111/jgs.16157. [Epub ahead of print] PMID: 31509233; PMCID: PMC7061460
71. Jang IY,** Lee E, Lee HY, Park H, Kim S, Kim K, Jung HW,** **Kim DH**. Characteristics of Sarcopenia by European Consensuses and a Phenotype Score. *J Cachexia Sarcopenia Muscle*. 2020; 11: 497-504. doi: 10.1002/jcsm.12507. PMID: 31863645; PMCID: PMC7113507 (**Mentee)
72. Mamane S, Mullie L, Lok Ok Choo W, Piazza N, Martucci G, Morais JA, **Kim DH**, Lauck S, Webb JG, Afilalo J. Sarcopenia in Older Adults Undergoing Transcatheter Aortic Valve Replacement. *J Am Coll Cardiol*. 2019; 74: 3178-3180. doi: 10.1016/j.jacc.2019.10.030. PMID: 31856975
73. Shi SM,** Festa N,** Afilalo J, Popma JJ, Khabbaz KR, Laham RJ, Guibone K, **Kim DH**. Comparative Utility of Frailty to a General Prognostic Score in Identifying Patients at Risk for Poor Outcomes After Aortic Valve Replacement. *BMC Geriatr*. 2020; 20: 38. doi: <https://doi.org/10.1186/s12877-020-1440-4>. PMID: 32013890, PMCID: PMC6998298 (**Mentee)

74. Li D, McDonald CM, Elfring GL, Souza M, McIntosh J, **Kim DH**, Wei LJ. Assessment of Treatment Effect with Multiple Outcomes in 2 Clinical Trials Among Patients with Duchenne Muscular Dystrophy. 2020; 3: e1921306. doi: 10.1001/jamanetworkopen.2019.21306. PMID: 32058550. PMCID: in process.
75. Reich AJ, Jin G, Gupta A, **Kim D**, Lipsitz S, Pigerson HG, Tjia J, Ladin K, Halpern SD, Cooper Z, Weissman JS. Utilization of ACP CPT Codes Among High-Need Medicare Beneficiaries in 2017 - A Brief Report. PLOS One. 2020; 15: e0228553. doi: 10.1371/journal.pone.0228553. PMID: 32023311, PMCID: PMC7001931.
76. Hirji S, McCarthy E, **Kim D**, McGurk S, Ejiofor J, Ramirez-Del Val F, Kolkailah A, Rosner B, Berry N, Sobieszczyk P, Pelletier M, Shah P, O’Gara P, Kaneko T. Relationship Between Hospital Surgical Aortic Valve Replacement Volume and Transcatheter Aortic Valve Replacement Outcomes. JACC Cardiovasc Interv. 2020; 13: 335-343. doi: 10.1016/j.jcin.2019.09.048. PMID: 32029250
77. Lee KC, Streid J, Sturgeon D, Lipsitz S, Weissman J, Rosenthal RA, **Kim DH**, Mitchell SL, Cooper Z. The Impact of Frailty on Long-term Patient-Oriented Outcomes after Emergency General Surgery. J Am Geriatr Soc. 2020. doi: 10.1111/jgs.16334. [Epub ahead of print]. PMID: 32043562. PMCID: in process.
78. Krishnaswami A, Peterson E, **Kim DH**, Goyal P, Rich MW. Efficacy and Safety of Intensive Blood Pressure Therapy Using RMST – Insights from the SPRINT Trial. Am J Med. 2020 Feb 13. pii: S0002-9343(20)30111-X. doi: 10.1016/j.amjmed.2019.12.050. [Epub ahead of print] PMID: 32061731. PMCID: in process.
79. Shi SM,** McCarthy E, Mitchell SL, **Kim DH**. Predicting Mortality and Adverse Outcomes: Comparing a Frailty Index to General Prognostic Indices. J Gen Intern Med. 2020; 35: 1516-1522. doi: 10.1007/s11606-020-05700-w. PMID: 32072368; PMCID: PMC7210351 (**Mentee)
80. Kapadia M,** Shi SM,** Afilalo J, Popma JJ, Laham RJ, Guibone K, **Kim DH**. Cognitive Function, Frailty, and Functional Outcomes of Transcatheter Aortic Valve Replacement. Am J Med. 2020; 133: 1219-1222. doi: 10.1016/j.amjmed.2020.01.041. PMID: 32199811; PMCID: PMC7501150 (**Mentee)
81. Shi SM,** McCarthy E, Mitchell SL, **Kim DH**. Changes in Predictive Performance of a Frailty Index with Availability of Clinical Domains. J Am Geriatr Soc. 2020; 68: 1771-1777. doi: 10.1111/jgs.16436. PMID: 32274807; PMCID: In process (**Mentee)
82. Park H, Jang IY,** Han MK, Lee H, Jung HW,** Lee E, **Kim DH**. Sarcopenia is Associated with Severe Erectile Dysfunction in Older Adults: A Population-Based Cohort Study. Korean J Intern Med. 2020; 35: 1245-1253. doi: 10.3904/kjim.2019.148. PMID: 32306710. PMCID: PMC7487308. (**Mentee)

83. Krishnaswami A, Peterson E, Goyal P, **Kim DH**, Rich MW, Lee S. Time to Benefit and Harm of Intensive Blood Pressure Treatment: Insight from SPRINT. *Eur Heart J Qual Care Clin Outcomes*. 2020. doi: 10.1093/ehjqcco/qcaa035. [Online ahead of print]. PMID: 32359134. PMCID: In process.
84. Kim J, Kim DW, **Kim DH**, Ryu SY, Chung EJ. Risk of Stroke Associated with Intravitreal Ranibizumab Injections in Age-Related Macular Degeneration: a Nationwide Case-Crossover Study. *Eye (Lond)*. 2020;10.1038/s41433-020-0911-3. doi:10.1038/s41433-020-0911-3 [Online ahead of print]. PMID: 32367002.
85. Bendayan M, Messas N, Perrault LP, Asgar AW, Lauck S, **Kim DH**, Arora RC, Langlois Y, Piazza N, Martucci G, Lefèvre T, Noiseux N, Lamy A, Peterson MD, Labinaz M, Popma JJ, Webb JG, Afilalo J. Frailty and Bleeding in Older Adults Undergoing Transcatheter or Surgical Aortic Valve Replacement: Insights from the FRAILTY-AVR Study. *JACC Cardiovasc Interv*. 2020; 13: 1058-1068. doi: 10.1016/j.jcin.2020.01.238. PMID: 32381184
 - Kinnaird T. Frailty as a Predictor of Bleeding and Poor Outcomes After AVR: An Important Observation or a Future Therapeutic Target? *JACC Cardiovasc Interv*. 2020; 13: 1069-1070. doi: 10.1016/j.jcin.2020.02.021. PMID: 32381185
86. Jang IY, ** Jung HW, ** Lee HY, Park H, Lee E, **Kim DH**. Evaluation of Clinically Meaningful Changes in Measures of Frailty. *J Gerontol A Biol Sci Med Sci*. 2020; 75: 1143-1147. doi: 10.1093/gerona/glaa003. PMID: 32145016. PMCID: PMC7243580 (**Mentee)
87. **Kim DH**, Paterno E, Pawar A, Lee H, Schneeweiss S, Glynn RJ. Measuring Frailty in Administrative Claims Data: Comparative Performance of Four Claims-Based Frailty Measures in the United States Medicare Data. *J Gerontol A Biol Sci Med Sci*. 2020; 75: 1120-1125. doi: 10.1093/gerona/glz224. PMID: 31566201; PMCID: PMC7243587
88. Mittel A, **Kim DH**, Cooper Z, Argenziano M, Hua M. Use of 90-Day Mortality Does Not Change Assessment of Hospital Quality after Coronary Artery Bypass Grafting in New York State. *J Thorac Cardiovasc Surg*. 2020 Apr 11; S0022-5223(20)30765-0. doi: 10.1016/j.jtcvs.2020.03.072. PMID: 32414596
89. Gautam N, ** Bessette L, Pawar A, Levin R, **Kim DH**. Updating International Classification of Diseases Ninth Revision to Tenth Revision of a Claims-Based Frailty Index. *J Gerontol A Biol Sci Med Sci*. 2020. Jun 12;glaa150. doi: 10.1093/gerona/glaa150. PMID: 32529241; PMCID: In process. (**Mentee)
90. Masutani R, ** Pawar A, Lee H, Weissman JS, **Kim DH**. Common Major Surgical Procedures and Outcomes in Older Adults with Dementia: A Nationwide Cross-Sectional Study. *JAMA Netw Open*. 2020; 3: e2010395. doi:10.1001/jamanetworkopen.2020.10395. PMID: 32662842; PMCID: In process. (**Mentee)

91. Lee H,** Chung HJ, Pawar A, Patorno E, **Kim DH**. The Risk of Bullous Pemphigoid After Initiating Dipeptidyl Peptidase 4-Inhibitor versus 2nd Generation Sulfonylurea: a Multi-Database Cohort Study. *JAMA Dermatol*. 2020. doi:10.1001/jamadermatol.2020.2158. PMID: 32697283; PMCID: In process. (**Mentee)
92. Gupta A, Jin G, Reich AJ, Prigerson HG, Ladin K, **Kim D**, Ashana DC, Cooper Z, Halpern S, Weissman JS. Association of Billed Advance Care Planning with End-of-Life Care Intensity for 2017 Medicare Decedents. *J Am Geriatr Soc*. 2020 Aug 27. doi: 10.1111/jgs.16683. PMID: 32853429; PMCID: In process.
93. Rao A,** Shi SM,** Afilalo J, Popma JJ, Khabbaz KR, Laham RJ, Guibone G, Marcantonio ER,* **Kim DH**.* Physical Performance and Risk of Postoperative Delirium in Older Adults Undergoing Aortic Valve Replacement. *Clin Interv Aging*. 2020; 15: 1471-1479. doi: 10.2147/CIA.S257079. PMID: 32921993; PMCID: PMC7455771. (*Equally contributed) (**Mentee)
94. Nguyen QD,** Odden MC, Peralta CA, **Kim DH**. Predicting Risk of Atherosclerotic Cardiovascular Disorders using Pooled Cohort Equations in Older Adults with Frailty, Multimorbidity, and Competing Risks. *J Am Heart Assoc*. 2020. *J Am Heart Assoc*. 2020 Sep 2; e016003. doi: 10.1161/JAHA.119.016003. PMID: 32875939; PMCID: In process (**Mentee)
95. Festa N,** Shi SM,** **Kim DH**. Accuracy of Diagnosis and Health Service Codes in Identifying Frailty in Medicare Data. *BMC Geriatr*. 2020. *BMC Geriatr*. 2020; 20: 329. doi: 10.1186/s12877-020-01739-w. PMID: 32894057; PMCID: PMC7487915 (**Mentee)
96. Kwak MJ,** Rasu R, Morgan R, Lee J, Rianon N, Holmes HM, Dhoble A, **Kim DH**. The Association of Economic Outcome and Geriatric Syndromes among Older Adults with Transcatheter Aortic Valve Replacement. *J Health Econ Outcomes Res*. 2020; 7: 175-181. doi: 10.36469/jheor.2020.17423. PMID: 33088843; PMCID: PMC7549540 (**Mentee)
97. Park CM,** Oh G, Lee H, Jung HW,** Lee E, Jang IY, **Kim DH**. A Multicomponent Intervention and Long-term Disability in Older Adults: A Non-Randomized Prospective Study. *J Am Geriatr Soc*. 2020. doi: 10.1111/jgs.16926. [Online ahead of print] PMID: 33155305; PMCID: In process. (**Mentee)
98. Olivieri-Mui B,** Shi SM,** McCarthy EP, Habtemariam D, **Kim DH**. Beyond the Health Deficit Count: Examining Deficit Patterns in a Deficit-Accumulation Frailty Index. *J Am Geriatr Soc*. 2020. doi: 10.1111/jgs.16955. [Online ahead of print] PMID: 33236789; PMCID: In process (**Mentee)
99. Sokas C, Lee KC, Sturgeon D, Streid J, Lipsitz S, Weissman J, **Kim D**, Cooper Z. Preoperative Frailty Status and Intensity of End-of-Life Care Among Older Adults After Emergency Surgery. *J Pain Symptom Manage*. 2020. doi: 10.1016/j.jpainsymman.2020.11.013. [Online ahead of print] PMID: 33212144; PMCID: In process

100. Shi SM,** Olivieri-Mui B,** McCarthy EP, **Kim DH**. Changes in a Frailty Index and Association with Mortality. *J Am Geriatr Soc. J Am Geriatr Soc.* 2021; 69: 1057-1062. doi: 10.1111/jgs.17002. Epub 2020 Dec 29. PMID: 33377190; PMCID: PMC8071066. (**Mentee)
101. **Kim DH**, Li X, Bian S, Wei LJ, Sun R. Re-Analyzing the Effect of Donepezil on Nursing Home Placement in Patients with Moderate-Severe Alzheimer's Disease Using Restricted Mean Survival Time. *JAMA Netw Open.* 2021; 4: e2034745. doi: 10.1001/jamanetworkopen.2020.34745. PMID: 33507253; PMCID: In process
102. Lauffenburger JC, Isaac T, Trippa T, Keller PA, Robertson T, Glynn RJ, Sequist TD, **Kim DH**, Fontanet CP, Castonguay EW, Haff N, Barlev RA, Mahesri M, Gopalakrishnan C, Choudhry NK. Rationale and Design of the Novel Uses of Adaptive Designs to Guide Provider Engagement in Electronic Health Records (NUDGE-EHR) Pragmatic Adaptive Randomized Trial: A Trial Protocol. *Implement Sci.* 2021; 16: 9. doi: 10.1186/s13012-020-01078-9. PMID: 33413494; PMCID: PMC7792313.
103. Patorno E, Pawar A, Bessette LG, **Kim DH**, Dave C, Glynn RJ, Munshi MN, Schneeweiss S, Wexler DJ, Kim SC. Cardiovascular and Metabolic Risk - Comparative Effectiveness and Safety of SGLT2 inhibitors vs. GLP-1 Receptor Agonists in Older Adults. *Diabetes Care.* 2021. doi: 10.2337/dc20-1464. Epub ahead of print. PMID: 33495295; PMCID: PMC7896266.
104. Park CM,** Kim W, Rhim HC,** Lee ES, Kim JH, Cho KH, **Kim DH**. Frailty and Hospitalization-Associated Disability after Pneumonia: A Prospective Cohort Study. *BMC Geriatr.* 2021; 21: 111. doi: 10.1186/s12877-021-02049-5. PMID: 33546614; PMCID: PMC7864132 (**Mentee)
105. Fillmore NR,* DuMontier C,** Yildirim C, La J, Epstein M, Cheng D, Cirstea D, Yellapragada S, Abel GA, Gaziano JM, Do NV, Brophy MT, **Kim DH**, Munshi NC, Driver JA. Defining Multimorbidity and Its Impact in Older United States Veterans Newly Treated for Multiple Myeloma. *J Natl Cancer Inst.* 2021 Feb 1:djab007. doi: 10.1093/jnci/djab007. Epub ahead of print. PMID: 33523236; PMCID: In process (*Equally contributed) (**Mentee)
106. Goyal P, Yum B, Navid P, Chen L, **Kim DH**, Roh J,** Jaeger BC, Levitan EB. Frailty and Post-Hospitalization Outcomes in Heart Failure with Preserved Ejection Fraction. *Am J Cardiol.* 2021 Mar 2:S0002-9149(21)00194-6. doi: 10.1016/j.amjcard.2021.02.019. Epub ahead of print. PMID: 33667443; PMCID: In process (**Mentee)
107. Cheng D,* DuMontier C,** Yildirim C, Charest B, Hawley C, Zhuo M, Paik J, Yaksic E, Gaziano JM, Do N, Brophy M, Cho K, **Kim DH**, Driver JA, Fillmore N,* Orkaby AR.** Updating and Validating the Veterans Affairs Frailty Index: Transitioning from ICD-9 to ICD-10. *J Gerontol A Biol Sci Med Sci.* 2021: glab071. doi: 10.1093/gerona/glab071. Epub ahead of print. PMID: 33693638. PMCID: In process (*Equally contributed) (**Mentee)

108. Jung HW,** Back, JY, Jang IY,** Guralnik J, Rockwood K, Lee E, **Kim DH**. Short Physical Performance Battery as a Crosswalk Between Frailty Phenotype and Deficit-Accumulation Frailty Index. *J Gerontol A Biol Sci Med Sci*. 2021 Mar 29;glab087. doi: 10.1093/gerona/glab087. Epub ahead of print. PMID: 33780526; PMCID: In process (**Mentee)
109. Shi SM,** Lo OY, Bakaev I, Newmeyer N, **Kim DH**. Recovery from Coronavirus Disease 2019 among Older Adults in Post-Acute Skilled Nursing Facilities. *J Am Med Dir Assoc*. 2021 Apr 12. doi: 10.1016/j.jamda.2021.04.003. Epub ahead of print. PMID: 33894176; PMCID: PMC8041178. (**Mentee)
110. **Kim DH**, Shi SM,** Carroll D, Najazadeh M, Wei LJ. Restricted Mean Survival Time versus Conventional Measures for Treatment Decision-Making. *J Am Geriatr Soc*. 2021 Apr 26. doi: 10.1111/jgs.17195. Epub ahead of print. PMID: 33901300; PMCID: In process (**Mentee)
111. DuMontier C,** Fillmore NR, Yildirim C, Cheng D, La J, Orkaby AR,** Charest B, Cirstea D, Yellapragada S, Gaziano JM, Do N, Brophy MT, **Kim DH**, Munshi NC, Driver JA. Contemporary Analysis of Electronic Frailty Measurement in Older Adults with Multiple Myeloma Treated in the National US Veterans Affairs Healthcare System. *Cancers (Basel)*. 2021 Jun 18;13(12):3053. doi: 10.3390/cancers13123053. PMID: 34207459; PMCID: PMC8233717. (**Mentee)
112. Ward RE,** Orkaby AR,** Dumontier C,** Charest B, Henderson CE, Yaksic E, Quach L, **Kim DH**, Gagnon DR, Gaziano JM, Cho K, Djousse L, Driver JA. Trajectories of Frailty in the Five Years Prior to Death Among US Veterans Born 1927-1934. *J Gerontol A Biol Sci Med Sci*. 2021 Jul 9;glab196. doi: 10.1093/gerona/glab196. Epub ahead of print. PMID: 34244759. PMCID: in process (** Mentee)
113. **Kim DH**, Pawar A, Gagne JJ, Bessette LG, Lee H, Glynn RJ, Schneeweiss S. Frailty and Clinical Outcomes of Direct Oral Anticoagulants versus Warfarin in a Cohort Study of Older Adults with Atrial Fibrillation. *Ann Intern Med*. 2021 Jul 20. doi: 10.7326/M20-7141. Epub ahead of print. PMID: 34280330. PMCID: in process.
114. Oh G,** Lee H, Jung HW,** Park CM,** Lee E, Jang IY,** Guralnik JM, **Kim DH**. Long-term Effect of a 24-Week Multicomponent Intervention on Physical Performance and Frailty in Community-Dwelling Older Adults. *Age Ageing*. 2021 Aug 5. doi: 10.1093/ageing/afab149. Epub ahead of print. PMID: 34351363. (**Mentee)
115. Weissman JS, Reich AJ, Prigerson HG, Gazarian P, Tjia J, **Kim D**, Rodgers P, Manful A. The Association of Advance Care Planning Visits with Care Intensity for Seriously Ill Medicare Beneficiaries at the End of Life. *JAMA Health Forum* 2021; 2: e211829. doi:10.1001/jamahealthforum.2021.1829.
116. Shi SM,** Gouskova N, Najafzadeh M, Wei LJ, **Kim DH**. Intensive versus Standard Blood Pressure Lowering in Type 2 Diabetes: A Restricted Mean Survival Time Analysis of the Action to Control Cardiovascular Risk in Diabetes (ACCORD) Blood Pressure Trial. *BMJ Open* 2021. Accepted. (**Mentee)

117. Min Z,* Hawley CE,* Paik JM, Bessette LG, Wexler D, **Kim DH**, Tong AY, Kim SC, Patorno E. The Association Between Sodium-Glucose Cotransporter-2 Inhibitors and Fracture Risk in Routine Care Older Adults with Type 2 Diabetes. *JAMA Netw Open*. 2021. Accepted. (*Equally contributed)
118. Herzig SJ, Anderson TS, Jung Y, Ngo L, **Kim DH**, McCarthy EP. Relative Risks of Adverse Events Among Older Adults Receiving Opioids versus NSAIDs After Hospital Discharge: a Nationwide Cohort Study. *PLOS Medicine*. 2021. Accepted.
119. Park CM, Kim W, Lee ES, Rhim HC, Cho KH, Kim JH, **Kim DH**. Comparison of Frailty Index to Pneumonia Severity Measures in Older Patients with Pneumonia. *J Am Med Dir Assoc*. 2021. Accepted.

Other Peer-Reviewed Publications

1. Chung HJ, **Kim DH**, Lee KY, Chung KY. Painful Red Plaques at the Injection Sites. *Am J Clin Dermatol*. 2009; 10: 201-203. PMID: 19354336
2. **Kim DH**. Challenges in Antihypertensive Therapy in Older Persons. *Ann Longterm Care*. 2010; 18: 27-32
3. **Kim DH**, Rich MW. Patient-Centered Care of Older Adults with Cardiovascular Disease and Multiple Chronic Conditions. *Can J Cardiol*. 2016; 32: 1097-1107. PMID: 27378591; PMCID: PMC5003648
4. **Kim DH**, Pieper CF, Ahmed A, Colon-Emeric CS. Use and Interpretation of Propensity Scores in Aging Research: A Guide for Clinical Researchers. *J Am Geriatr Soc*. 2016; 64: 2065-2073. PMID: 27550392; PMCID: PMC5072994
5. Uno H, Schrag D, **Kim DH**, Tang D, Tian L, Rugo H, Wei LJ. Assessing Clinical Equivalence in Oncology Biosimilar Trials with Time-to-Event Outcomes. *JNCI Cancer Spectrum*. 2019; 3: pkz058. doi: 10.1093/jncics/pkz058. PMID: 32337484; PMCID: PMC7050006.
6. De Biasio JC, Mittel AM, Mueller AL, Ferrante LE, **Kim DH**, Shaefi S. Frailty in Critical Care Medicine. *Anesth Analg*. 2020 Jun;130(6):1462-1473. doi: 10.1213/ANE.0000000000004665. PMID: 32384336.
7. **Kim DH**. Measuring Frailty in Health Care Databases for Clinical Care and Research. *Ann Geriatr Med Res*. 2020; 24: 62-74. doi: <https://doi.org/10.4235/agmr.20.0002>. PMID: 32743326; PMCID: PMC7370795.
8. Huang B, Tian L, McCaw ZR, Luo X, Talukder E, Rothenberg M, Xie W, Choueiri TK, **Kim DH**, Wei LJ. Analysis of Objective Response Data for Assessing Treatment Effects in Clinical Studies. *Ann Intern Med*. 2020; 173: 368-374. doi: 10.7326/M20-0104. PMID: 32628533; PMCID: PMC7773521

9. McCaw ZR, Tian L, Vassy JL, Ritchie CS, Lee C, **Kim DH**, Wei LJ. How to Quantify and Interpret Treatment Effects in Comparative Clinical Studies of COVID-19. *Ann Intern Med*. 2020. doi: 10.7326/M20-4044. [Online ahead of print]. PMID: 32634024. PMCID: PMC7350552.
10. McCaw ZR, Tian L, **Kim DH**, Localio AR, Wei LJ. Survival Analysis of Treatment Efficacy in Comparative COVID-19 Studies. *Clin Infect Dis*. 2020. doi: 10.1093/cid/ciaa1563. [Online ahead of print]. PMID: 33053155. PMCID: PMC7665361

Non-Peer Reviewed Scholarship in Print or Other Media:

Reviews, Chapters, Monographs, and Editorials

1. Hajjar I, **Kim DH**. Management of Hypertension in Older Adults in *Case-Based Geriatrics*. New York: McGrawHill; 2010
2. **Kim DH**. Differences in Blood Pressure Between Arms: May Be Diagnostically Useful But Needs Further Evaluation as a Prognostic Marker. *BMJ*. 2012; 344: e2033. PMID: 22433976
3. Stolker J, **Kim DH**, Rich MR. Cardiovascular Disease in the Elderly: Pathophysiology and Clinical Implications in *Hurst's the Heart, 14th Edition*. New York: McGrawHill; 2017
4. **Kim DH**, Uno H, Wei LJ. Restricted Mean Survival Time as a Measure to Interpret Clinical Trial Results. *JAMA Cardiol*. 2017; 2: 1179-1180. PMID: 28877311
5. Forman DE, **Kim DH**. Limitations of Treating Heart Rate as the Primary Outcome Determinant in Older Adults. *J Am Coll Cardiol*. 2017; 70: 1872-1874. PMID: 28982500
6. **Kim DH**. Frailty and Functional Assessment in *Perioperative Care of the Elderly Patient*. Cambridge: Cambridge University Press; 2018
7. Uno H, Claggett B, Tian L, Fu H, **Kim DH**,* Wei LJ.* Adding a New Analytical Procedure with Clinical Interpretation in the Tool Box of Survival Analysis. *Ann Oncol*. 2018; 29: 1092-1094. doi: 10.1093/annonc/mdy109. PMID: 29617717; PMCID: PMC5961386 (*co-senior author)
8. **Kim DH**. Incorporating Quality of Life Prediction in Shared Decision-Making about Transcatheter Aortic Valve Replacement: Current State and Future Directions. *Circ Cardiovasc Qual Outcomes*. 2018; 11: e005097. doi: 10.1161/CIRCOUTCOMES.118.005097. PMID: 30354586; PMCID: PMC6208138
9. McCaw ZR, Orkaby AR,** Wei LJ, **Kim DH**,* Rich MW.* Applying Evidence-Based Medicine to Shared Decision Making: Value of Restricted Mean Survival Time. *Am J Med*. 2019; 132: 13-15. doi: 10.1016/j.amjmed.2018.07.026. [Epub ahead of print] PMID: 30076822. (*co-senior author) (**mentee)

10. **Kim DH**, Shi SM. Lower Extremity Function as a Marker of Frailty and Outcomes of Heart Failure with Preserved Ejection Fraction in Older Adults. *J Cardiac Fail.* 2019; 25: 10-11. doi: 10.1016/j.cardfail.2018.11.002. PMID: 30439566
11. **Kim DH**, Shi SM. General Principles on Caring for Older Adults in *Tresch and Aronow's Cardiovascular Disease in the Elderly, 6th Edition*. Boca Raton: CRC Press; 2019
12. Rabideau D, **Kim DH**, Wei LJ. Using Confidence Intervals to Quantify Statistical and Clinical Evidence for the Treatment Effect in a Comparative Study-Moving Beyond P Values. *JAMA Otolaryngol Head Neck Surg.* 2019. doi:10.1001/jamaoto.2019.3057. [Epub ahead of print] PMID: 31621806

Letters to the Editor

1. **Kim DH**. Circulating Endothelial Progenitor Cells. *N Engl J Med.* 2005; 353: 2613. PMID: 16354900.
2. **Kim DH**. Exercise and Peripheral Artery Disease. *Ann Intern Med.* 2006; 144: 699. PMID: 16670144.
3. **Kim DH**. Caffeine and Incident Hypertension in Women. *JAMA.* 2006; 295: 2136. PMID: 16684978.
4. Oh J, **Kim DH**, Kang H. Granulocyte Colony-Stimulating Factor and Acute Myocardial Infarction. *JAMA.* 2006; 296: 1968. PMID: 17062857.
5. **Kim DH**, Kang H. Systolic Blood Pressure and Outcomes in Patients Hospitalized with Acute Heart Failure. *JAMA.* 2007; 297: 807-808. PMID: 17327519.
6. **Kim DH**. High-Density Lipoprotein and Dietary Fatty Acids. *JAMA.* 2007; 298: 2263-2264. PMID: 18029828.
7. **Kim DH**. Adverse Events Associated With Stopping Clopidogrel After Acute Coronary Syndrome. *JAMA.* 2008; 299: 2388-2389. PMID: 18505945.
8. **Kim DH**. Drug-Eluting versus Bare-Metal Stents in Acute Myocardial Infarction. *N Engl J Med.* 2009; 360: 300-301. PMID: 19148960.
9. **Kim DH**, Hajjar I. Blood Pressure and Mortality in the Elderly. *J Am Geriatr Soc.* 2009; 57: 940-941. PMID: 19470028; PMCID: PMC2803047.
10. **Kim DH**. Low Diastolic Blood Pressure and Mortality in the Elderly. *J Am Geriatr Soc.* 2009; 57: 2176-2177. PMID: 20121980.
11. **Kim DH**. Treating Vascular Risk Factors in Alzheimer's Disease. *J Am Geriatr Soc.* 2010; 58: 185-186. PMID: 20122056.

12. **Kim DH**, Choi SE. Frailty Index for Patients with Coronary Artery Disease. *J Am Geriatr Soc*. 2011; 59: 373-374. PMID: 21314660.
13. **Kim DH**. A Potential Selection Bias in the Study of Early Combination Antibiotic Therapy Versus Monotherapy in Septic Shock. *Crit Care Med*. 2011; 39: 1604. PMID: 21610652.
14. **Kim DH**. Intensive vs Standard Blood Pressure Control for Older Adults. *JAMA*. 2016; 316: 1921. PMID: 27825001.
15. Uno H, **Kim DH**, Wei LJ. Interpreting the Association of First-In-Class Immune Checkpoint Inhibition and Targeted Therapy with Survival in Patients with Stage IV Melanoma in a Population Level. *JAMA Oncol*. 2018; 4: 1135-1136. Doi: 10.1001/jamaoncol.2018.0881. PMID: 29902302.
16. Afilalo J, **Kim DH**. Frailty Scales in TAVR: Incremental Body of Evidence. *JACC Cardiovasc Interv*. 2018; 11: 1537-1538. Doi: 10.1016/j.jcin.2018.04.012. PMID: 30093059.
17. DuMontier C, **Kim DH**. Continuing the Effort to Predict Risk of Future Unplanned Health Care Utilization in Older Adults. *J Am Geriatr Soc*. 2018; 66: 2032-2034. Doi: 10.1111/jgs.15514. PMID: 30221748.
18. McCaw ZR, Wei LJ, **Kim DH**. Gene Expression-Guided Adjuvant Chemotherapy in Breast Cancer. *N Engl J Med*. 2018; 379: 1681. PMID: 30358968.
19. Sun R, Nie L, Huang B, **Kim DH**, Wei LJ. Quantifying Immunoscore Performance. *Lancet*. 2018; 392: 1624. doi: [https://doi.org/10.1016/S0140-6736\(18\)32157-3](https://doi.org/10.1016/S0140-6736(18)32157-3). PMID: 30496077.
20. McCaw ZR, Tian L, **Kim DH**, Wei LJ. Comment on “Interpreting Clinical Benefits of Neoadjuvant Chemoradiation With Gemcitabine Versus Upfront Surgery in Patients With Borderline Resectable Pancreatic Cancer (BRPC)”. *Ann Surg*. 2018 Nov 29. doi: 10.1097/SLA.0000000000003115. [Epub ahead of print]. PMID: 30499804
21. McCaw ZR, **Kim DH**, Tian L, Fu H, Wei LJ. Trifluridine/Tipiracil in Metastatic Gastric Cancer. *Lancet Oncol*. 2019; 20: e8. PMID: 30614483.
22. Shi SM, **Kim DH**. The Challenges of Using the Hospital Frailty Risk Score. *Lancet*. 2019; 392: 2692. PMID: 30587360.
23. McCaw ZR, **Kim DH**, Wei LJ. Evaluating Treatment Effect of Transcatheter Interatrial Shunt Device Using Heart Failure Event Rates. *JAMA Cardiol*. Published online February 20, 2019. doi:10.1001/jamacardio.2019.0001. PMID: 30785598.
24. McCaw ZR, Wei LJ, **Kim DH**. Interpreting the Prognostic Value of Unrecognized Myocardial Infarction Among Older Adults. *JAMA Cardiol*. 2019 Mar 6. Doi: 10.1001/jamacardio.2019.0184. [Epub ahead of print]. PMID: 30840025
25. McCaw ZR, **Kim DH**, Wei LJ. Effect of Aspirin on All-Cause Mortality in the Healthy Elderly. *N Engl J Med*. 2019; 380: 18; 1775-1776. doi: 10.1056/NEJMc1901774. PMID: 31042835.

26. Sun R, Orkaby AR, **Kim DH**, Zhu H, Wei LJ. Biodegradable-Polymer Stents Versus Durable-Polymer Stents. *Lancet*. 2019; 393: 1932-1933. doi: 10.1016/S0140-6736(19)30023-6. PMID: 31084958.
27. McCaw ZR, **Kim DH**, Wei LJ. Analysis of Long-term Benefits of Intensive Blood Pressure Control. *JAMA*. 2019; 322: 169-170. doi:10.1001/jama.2019.5840. PMID: 31287515.
28. Abiola AO, Berry SD, **Kim DH**. Comment on: Can Hearing Aids Delay Time to Diagnosis of Dementia, Depression, or Falls in Older Adults? *J Am Geriatr Soc*. 2020; 68: 670-671. PMID: 32078165.
29. Ludmir EB, McCaw ZR, **Kim DH**, Tian L, Wei LJ. Fulvestrant Plus Capivasertib for Metastatic Breast Cancer. *Lancet Oncol*. 2020; 21: e233. PMID: 32359498.
30. Sun R, **Kim DH**, Wei LJ. Analysis of Overall Survival Benefit of Abemaciclib Plus Fulvestrant in Hormone Receptor–Positive, ERBB2-Negative Breast Cancer. *JAMA Oncol*. 2020; 6: 1121-1122. doi:10.1001/jamaoncol.2020.1513. PMID: 32463424
31. McCaw ZR, **Kim DH**, Wei LJ. Remdesivir for the Treatment of Covid-19 - Preliminary Report. *N Engl J Med*. 2020; 383: 993. doi:10.1056/NEJMc2022236. PMID: 32649076
32. McCaw ZR, **Kim DH**, Wei LJ. Risk-benefit Comparisons between Shorter and Longer Adjuvant Chemotherapies in High-Risk Stage II Colorectal Cancer. *JAMA Oncol*. 2020; 6: 1301-1302. doi: 10.1001/jamaoncol.2020.2256. PMID: 32584376
33. Ludmir EB, McCaw ZR, **Kim DH**, Tian L, Wei LJ. Fulvestrant plus Capivasertib for Metastatic Breast Cancer. *Lancet Oncol*. 2020; 21: e233. doi: 10.1016/S1470-2045(20)30228-X. PMID: 32359498.
34. McCaw ZR, Ludmir EB, **Kim DH**, Wei LJ. Further Clinical Interpretation and Implications of KEYNOTE-048 Findings. *Lancet*. 2020; 396: 378-379. doi: 10.1016/S0140-6736(20)30904-1. PMID: 32771102.
35. Bahl NE, Magnavita ES, Hshieh T, Testa M, **Kim D**, Manor B, Driver JA, Abel GA, DuMontier C. Objective Performance Tests of Cognition and Physical Function as Part of a Virtual Geriatric Assessment. *J Geriatr Oncol*. 2021: S1879-4068(21)00083-7. doi: 10.1016/j.jgo.2021.03.013. Epub ahead of print. PMID: 33795206.
36. Wang X, **Kim DH**, Wei LJ. Quantifying and Interpreting Efficacy of Reduced-Intensity Chemotherapy with Oxaliplatin and Capecitabine on Cancer Control for Advanced Gastroesophageal Cancer. *JAMA Oncol*. 2021. Accepted.

Professional Education Materials or Reports in Print or Other Media:

1. Preventing Falls in the Elderly. What Primary Care Clinicians Can Do To Reduce Injury and Death. Alosa Health, Boston, MA; 2014.

I was the expert consultant who created educational materials for primary care physicians and gave 3 academic detailing webinars.

2. Managing Pain in the Elderly. Alosa Health, Boston, MA; 2014.

I was one of the editors in creating educational materials for primary care physicians.

3. Urinary Incontinence in the Elderly. Alosa Health, Boston, MA; 2015

I was the expert consultant who created educational materials for primary care physicians and gave 3 academic detailing webinars.

4. Evaluation and Management of Atrial Fibrillation. Alosa Health, Boston, MA; 2015

I was one of the editors in creating educational materials for primary care physicians.

5. Treating Heart Failure in Primary Care. Alosa Health, Boston, MA; 2015

I was one of the editors in creating educational materials for primary care physicians.

6. Just a Spoonful of Medicine Helps the Sugar Go Down. Alosa Health, Boston, MA; 2016

I was one of the editors in creating educational materials for primary care physicians.

7. Managing Lipids to Prevent Cardiovascular Events: Integrating the Current Guidelines into Practice. Alosa Health, Boston, MA; 2016

I was one of the editors in creating educational materials for primary care physicians.

8. Caring for Vulnerable Elders: Addressing Elder Abuse, Managing Dementia, and Supporting Caregivers. Alosa Health, Boston, MA; 2017

I was the expert consultant who created educational materials on dementia for primary care physicians and gave 2 academic detailing webinars.

9. Managing Chronic Pain in the Elderly. Alosa Health, Boston, MA; 2017

I was one of the editors in creating educational materials for primary care physicians.

10. Don't Let the Pressure Get to You: An update on the changing recommendations for treating hypertension. Alosa Health, Boston, MA; 2018

I was one of the editors in creating educational materials for primary care physicians.

11. Managing Depression in Older Patients. Alosa Health, Boston, MA; 2018

I was the principal editor in creating educational materials for primary care physicians.

12. Aggregating the Latest Evidence on Antiplatelet Agents. Alosa Health, Boston, MA; 2019

I was one of the editors in creating educational materials for primary care physicians.

13. Dealing with Cognitive Impairment: Prevention, Management, and Advance Care Planning. Alosa Health, Boston, MA; 2020

I was the principal editor in creating educational materials for primary care physicians.

Thesis:

1. **Kim DH.** Epidemiological Studies of Functional Status in Older Adults. Doctor of Science Thesis, HSPH, Boston, MA, 2014

Abstracts, Poster Presentations, and Exhibits Presented at Professional Meetings:

1. Oh E, **Kim DH**, Murphy TE, Lee S, Berry SD. Practical Risk Prediction Models for Clinicians.
Moderated a symposium at the American Geriatrics Society Annual Meeting, Long Beach, CA, in May 2016
2. Rothbaum R, Romanovsky L, Gordon SL, Rania T, Abrams A, **Kim DH.** The Effect of Nurse Practitioner-Led House Call Program on Medicare Cost in High-Risk Older Adults: A Retrospective Cohort Study.
Presented at the Presidential Poster Session of the American Geriatrics Society Annual Meeting, San Antonio, TX, in May 2017
3. Orkaby A, Murphy TE, Newman AB, Berry SD, **Kim DH.** Survival and Competing Risk in Aging Research.
Moderated a symposium at the American Geriatrics Society Annual Meeting, Orlando, FL, in May 2018
4. **Kim DH**, Pawar A, Patorno E, Gopalakrishnan C, Glynn RJ. Generating High-Quality Observational Evidence to Individualize Pharmacotherapy in Older Adults.
Moderated a symposium at the Gerontological Society of America Annual Meeting, Boston, MA, in November 2018

Narrative Report

I am a board-certified geriatrician and clinical investigator with a long-term goal to improve care of older adults with frailty by generating high-quality evidence, training future clinicians and researchers, and changing health systems and policy. My area of excellence is Investigation. My research aims to investigate how frailty affects the benefits and harms of common drug therapy and surgical procedures. The main areas of my research include 1) frailty measurement, 2) frailty and outcomes of drug therapy, 3) frailty and outcomes of surgical procedures, and 4) evidence communication to facilitate shared decision making.

Administrative claims data (e.g., Medicare data) are increasingly used to study outcomes of drug therapy in older adults with frailty, who are underrepresented in clinical trials, but lack of frailty measures in these datasets remains a barrier to generate evidence to guide treatment decision. I received a K08 Paul B. Beeson Award in Aging from the National Institute on Aging (NIA) to develop and validate a frailty index for Medicare data. The program to calculate the claims-based frailty index is available in SAS, R, Python, and Java to researchers (<https://dataverse.harvard.edu/dataverse/cfi>). I serve on the advisory task force to the Office of the Assistant Secretary for Planning and Evaluation of the Department of Health and Human Services and RAND Corporation in developing claims-based algorithms for frailty and functional impairment. I was an ad-hoc reviewer for the Knowledge Competition Award of the Canadian Frailty Network. Two of my NIA R01 awards apply this index to assess the benefit-risk balance of newly marketed cardiovascular drug therapy and procedures in people with frailty.

Older adults with frailty are often treated off-label with psychoactive drugs during acute hospitalization. Although antipsychotics have been linked to an increased risk of mortality and adverse events in older people with dementia, I have shown that antipsychotics remain widely used in hospitalized older adults and the choice of the drugs is mainly driven by the hospital practice pattern due to insufficient evidence. I received an NIA R01 award to study the risks of antipsychotic and sedative drug use in hospitalized older patients with delirium in two nationwide hospital datasets and 5 prospective cohort studies. As a result of my expertise on drug safety research, I serve on the American Delirium Society 2019 Annual Meeting program committee and participate in the meeting as faculty on the antipsychotics session.

In addition to evaluation of drug therapy, I conducted a prospective cohort study to evaluate functional status change in patients treated with transcatheter and surgical aortic valve replacement at BIDMC. Funded by a KL2 Harvard Catalyst Medical Research Investigator Training Award, this study showed that, despite symptomatic improvement, approximately 25% of patients experienced functional decline after the procedure. Preoperative frailty status was strongly predictive of functional decline. An online frailty index calculator is made available for clinicians (<https://bit.ly/2PA7iIv>), which has been recently integrated into the electronic medical record at BIDMC to facilitate implementation in routine practice. I have been invited to present my work on frailty assessment and functional outcomes in transcatheter aortic valve replacement locally and nationally, as well as at the American College of Cardiology, Canadian Geriatrics Society, and International Association of Gerontology and Geriatrics World Congress. Building on this work, I conducted a pilot randomized controlled trial of home-based rehabilitation intervention to improve recovery after transcatheter aortic valve replacement. This pilot study is funded by the Boston Older American Independence Center and Boston Roybal Center.

Lastly, I hope to improve evidence communication between providers and patients by applying more intuitive summary measures of treatment effect. Instead of relative risk reduction (e.g., “treatment X reduces mortality by 25% in 5 years”), it is more intuitive to measure treatment effect in terms of event-free time (e.g., “treatment X extends survival time, on average, by 3 months in 5 years”). Such

measures include restricted mean survival time and number of days alive and spent at home. Despite intuitive interpretation and availability of robust estimation procedures, clinical trialists have been slow to adopt these measures. My NIA R21 award aims to examine how restricted mean survival time is accepted by older adults in comparison with relative risk reduction and number needed to treat. I have applied this effect measure to re-analyze the effect of transcatheter aortic valve replacement, implantable cardioverter-defibrillator therapy, intensive blood pressure lowering strategy, statins, cholinesterase inhibitors, and COVID-19 therapeutics. In addition, I conducted a survey of older adults about their preference for restricted mean survival time versus conventional effect measures (e.g., hazard ratios) and led a working group in the American College of Cardiology Geriatric Cardiology section to train researchers about this methodology.

As a practicing geriatrician, I provide primary care and pre-transcatheter aortic valve replacement geriatric evaluation at the BIDMC Senior Health Practice. I am directing a quality improvement project to standardize assessment and documentation of frailty and functional status at BIDMC Senior Health Practice and Pre-operative Anesthesia Testing clinic. I participate in clinical and research training activities for medical students, clinical trainees, and research fellows at Harvard Medical School and Harvard Geriatrics Fellowship, and masters/doctoral students at HSPH. I also invite and train 1-2 clinical trainees and junior faculty from Korea and Taiwan every year at BIDMC. From 2012-2021, I have mentored 29 trainees and early-stage investigators in frailty and aging research. My effort in teaching and research was recognized with the Mentor of the Year Award in 2013 and 2020, and the American Geriatrics Society Junior Investigator of the Year Award in 2017.