

Matthew A. Davis, PhD, MPH
Professor
University of Michigan School of Nursing
University of Michigan Medical School
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Education and Training

Education

09/1996-06/2000 Bachelor of Arts, *Magna cum laude*
Chemistry, biochemistry, & molecular biology with honors
Colby College, Waterville, ME

09/2001-11/2004 Doctor of Chiropractic Care, *Summa cum laude*
New York Chiropractic College, Seneca Falls, NY

07/2007-06/2010 Masters of Public Health
Dartmouth Medical School, Hanover, NH

09/2011-06/2014 PhD, Quantitative Biomedical Sciences
Dartmouth College, Hanover, NH

Certification and Licensure

Certification

06/2004 Diplomate, National Board of Chiropractic Examiners
Certification No. 107180

04/2004 Fellow, International Academy of Medical Acupuncture

09/2025 Certificate in Leadership and Management,
Wharton, University of Pennsylvania

Licensure

12/2004-09/2018 Chiropractic Care License, Vermont
No. 006.0001150

Academic, Administrative, and Clinical Appointments

Academic Appointments

07/2010-08/2014 Instructor of Health Policy
The Dartmouth Institute for Health Policy and Clinical Practice
Geisel School of Medicine at Dartmouth, Hanover, NH

09/2014-08/2018 Adjunct Assistant Professor of Epidemiology
Department of Epidemiology
Geisel School of Medicine at Dartmouth, Hanover, NH

09/2014-08/2018 Adjunct Assistant Professor of Health Policy
The Dartmouth Institute for Health Policy and Clinical Practice
Geisel School of Medicine at Dartmouth, Hanover, NH

09/2014-08/2018 Assistant Professor of Nursing
University of Michigan School of Nursing, Ann Arbor, MI

09/2018-07/2019 Adjunct Associate Professor of Health Policy
The Dartmouth Institute for Health Policy and Clinical Practice
Geisel School of Medicine at Dartmouth, Hanover, NH

09/2018-08/2025 Adjunct Associate Professor of Epidemiology
Department of Epidemiology
Geisel School of Medicine at Dartmouth, Hanover, NH

09/2018-08/2025 Associate Professor of Nursing with tenure
University of Michigan School of Nursing, Ann Arbor, MI

09/2019-08/2025 Associate Professor of Learning Health Sciences
University of Michigan Medical School, Ann Arbor, MI

08/2025-present Professor of Nursing with tenure
University of Michigan School of Nursing, Ann Arbor, MI

08/2025-present Professor of Learning Health Sciences
University of Michigan Medical School, Ann Arbor, MI

Clinic Appointments

11/2004-02/2006 Clinical Associate
Woodcock Chiropractic Clinic, Guilford, VT

02/2006-08/2011 Medical Staff Member
Grace Cottage Hospital, Townshend, VT

Research Interests

The overarching objective of my program of research is to inform national health policy by conducting studies aimed at evaluating the influence of regional healthcare availability on population outcomes for older adults. This work is separated into two interconnected components. First, I study the factors associated with local service availability. Second, I seek to advance science by employing quasi-experimental studies that use ‘disruptions’ to evaluate how a change in healthcare availability affects outcomes. The primary scientific methods I use are secondary analysis of large existing databases focused on Medicare claims (including novel linkages across different types of data) and geospatial information system (GIS) methods.

Grants

<u>Active</u>	<u>Dates & Direct Costs</u>
R01: RF1AG083768, Davis and Bell (mPIs) NIH/National Institute on Aging Title: Preventing Deaths among Older Americans with Alzheimer’s Disease and Other Related Dementias Exposed to Hurricanes Role: m-PI	09/2023-08/2028 \$2,330,772
P30: P30AG066582, Bynum (PI) NIH/National Institute on Aging Title: Center to Accelerate Population Research in Alzheimer’s (CAPRA) Role: Project Lead of Research Resources Core, Co-Lead of Communications Core	09/2025-08/2030 \$3,030,502

P30: P30HS029742, Friedman and Piatt (m-PIs) Agency for Healthcare Research & Quality Title: Michigan Embedded Learning Health System Training and Research (MEL-STaR) Center Role: Co-Lead of Research Data and Analytics Core	01/2024-12/2028 \$3,203,813
K23: K23AG082727, Lee (PI) NIH/National Institute on Aging Title: Understanding Disease Modifying Antirheumatic Drug Use on Older Adults with Late-onset Rheumatoid Arthritis Role: Advisor	09/2023-06/2028 \$900,000
T32: T32CA236621, Friese (PI) NIH/National Cancer Institute Title: Interdisciplinary Research Training Center in Cancer Care Delivery Role: Faculty Mentor	07/2020-06/2025 \$1,926,452
Rahemi (PI) Alzheimer's Association Title: Advanced Care Planning and End Of Life in Cognitively Impaired Older Adults Role: Consultant	02/2024-02/2027 \$199,745
Montoya (PI) Pepper Center Pilot Award (NIH, P30: P30AG024824) Title: Hospitalizations and Death after Nursing Home to Nursing Home Transfer Role: Co-mentor	07/2024-06/2025 \$40,000
<u>Previous Grants</u>	
P30: P30AG066582, Bynum (PI) NIH/National Institute on Aging Title: Center to Accelerate Population Research in Alzheimer's (CAPRA) Role: Project Lead of Research Resources Core, Co-Lead of Communications Core	08/2020-06/2025 \$3,030,502
Diversity Supplement, Montoya (PI) Title: Functional Trajectories of Long-Term Nursing Home Residents with Dementia after Skilled Nursing Facility Stay Role: Co-Mentor	09/2022-08/2024
R03: R03AG076815, Bell (PI) NIH/National Institute on Aging Title: Healthcare Use among Older Adults with Dementia after Large-scale Disasters Role: Co-I	01/2023-12/2025 \$200,000
K08: K08AG071856, Coe (PI) NIH/National Institute on Aging Title: Improving Medication Use and Outcomes in Older Adults with Dementia after Hospitalization: Effectiveness of Medicare Programs Role: Co-mentor	04/2021-03/2025 \$575,589

<p>K23: K23AG059890, Bell (PI) NIH/National Institute on Aging Title: Individual and Community Drivers of Hospitalizations for Older Adults After Natural Disaster Role: Co-mentor</p>	<p>07/2018-05/2024 \$950,468</p>
<p>R03: R03AG067975, Lee (PI) NIH/National Institute on Aging Title: Evaluation of Treatment Patterns and Prescription Medication use among Older Adults with Late-onset Rheumatoid Arthritis Role: Consultant</p>	<p>09/2020-05/2023 \$200,000</p>
<p>P01: P01AG019783, Bynum and Davis (co-PI) NIH/National Institute on Aging Title: Causes and Consequences of Healthcare Efficiency: Project 1, Correlates and Consequences of Making an Alzheimer’s Disease Clinical Diagnosis Role: co-PI / Project Leader</p>	<p>05/2018-05/2023 \$617,745</p>
<p>R01: R01AT009003, Davis (PI) NIH/National Center for Complementary and Integrative Medicine Title: The Availability of Chiropractic Care and Use of Health Services for Back Pain Role: PI</p>	<p>12/2015-12/2020 \$925,385</p>
<p>T32: T32NR016914, Titler (PI) NIH/National Institute of Nursing Research Title: Complexity Innovations in Promoting Health and Safety Role: Faculty Mentor</p>	<p>07/2017-06/2022 \$1,270,938</p>
<p>D43: 43TW009883, Potempa and Barton (Co-PIs) NIH/Fogarty International Center and National Institute of Nursing Research Title: Strengthening Nurse NCD Research and Training Capacity in Thailand Role: Faculty Mentor</p>	<p>06/2014-09/2019 \$1,122,472</p>
<p>Faculty Development Grant, Davis (PI) University of Michigan, Center for Research on Learning and Teaching Title: Development of an Integrative, Hands-on Health Data Analysis Course</p>	<p>12/2016-12/2018 \$10,000</p>
<p>Faculty Research Collaboration Grant, Davis (PI) University of Michigan, Center for Southeast Asian Studies Title: The Geography of Adults with Multiple Chronic Conditions in Thailand</p>	<p>04/2017-04/2018 \$7,000</p>
<p>K01: K01AT006162, Davis (PI) NIH/National Center for Complementary and Integrative Medicine Title: The United States Complementary and Alternative Medicine Market *Included subsidy from the Bernard Osher Foundation</p>	<p>08/2010-12/2015 \$853,750*</p>
<p>Loan Repayment Grant – Competitive Renewal, Davis (PI) NIH/Division of Loan Repayment (reviewed by NCCIM) Title: Effects of Complementary and Alternative Medicine on Use of Medical Services</p>	<p>07/2015-06/2016 \$8,637</p>

Loan Repayment Grant – Competitive Renewal, Davis (PI) 07/2014-06/2015
NIH/Division of Loan Repayment (reviewed by NCCIM) \$9,301
Title: The US Complementary and Alternative Medicine Market

Loan Repayment Grant, Davis (PI) 07/2012-06/2014
NIH/Division of Loan Repayment (reviewed by NCCIM) \$18,428
Title: The US Complementary and Alternative Medicine Market

Submitted Grants

R01, Davis and Bynum (co-PI) 12/2026-11/2030
Title: Identification of Factors to Improve the Diagnosis of Alzheimer’s Disease and
other Related Dementias Across the U.S. \$2,499,741

T32: GRANT13892437, Stoddard (PI) 07/2024-06/2029
NIH/National Institute of Nursing Research \$2,043,199
Role: Faculty Advisor

Honors and Awards

2004 Phi Chi Omega Honor Society
2010 Thesis Commendation Award, The Dartmouth Institute, Hanover, NH
Master’s Thesis ranked 1st among 64 graduate students
2010 ACCRAC Outstanding Research Paper “Medicare Part B Claims for Chiropractic Spinal
Manipulation, 1998-2004”
2011 ACCRAC Outstanding Research Paper “Immunization Status of Adult Chiropractic
Patients: Analyses of the National Health Interview Study”
2012 NIH/National Institute of Environmental Health Sciences Travel Scholarship
2017 Nominated by students for University of Michigan Golden Apple Award for excellence
in teaching
2019 Recipient of the University of Michigan School of Nursing Mae Edna Doyle Teacher of
the Year Award
2021 Recipient of the University of Michigan Henry Russel Award (considered the highest
honor across all schools at the University of Michigan for teaching and research among
early and mid-career faculty)
2021 Nominated by students for University of Michigan Golden Apple Award for excellence
in teaching
2022 Awarded 2022 Top Ethnogeriatrics Paper by the *Journal of the American Geriatrics
Society (JAGS)* Editorial Board for paper “Time to dementia diagnosis by race: A
retrospective cohort study”

Memberships in Professional Societies

Institutional

2014-present Faculty Member, Institute for Healthcare Policy and Innovation, University of Michigan
2015-present Faculty Member, Michigan Institute for Data Science, University of Michigan
2016-present Faculty Affiliate, University of Michigan Institute for Social Research, Ann Arbor, MI
2016-2018 Participant, Institute for Healthcare Policy and Innovation and Institute for Social
Research Health Economics and Public Policy group, University of Michigan

National and International

2010-2012	Member, American Public Health Association
2010-2022	Member, AcademyHealth
2016-2017	Member, International Collaboration on Food with Arsenic and Associated Risk and Regulation, Dartmouth College, Hanover, NH

Editorial Positions, Boards, and Peer-Review Service

Editorial Positions

2014-2017	Consulting Statistical Reviewer, <i>Regional Anesthesia & Pain Medicine</i>
2017-present	<u>Associate Editor-In-Chief for Statistics</u> <i>Regional Anesthesia & Pain Medicine</i> (Impact Factor = 7.0), a BMJ series journal, official publication of the American Society of Regional Anesthesia and Pain Medicine and the European Society of Regional Anesthesia and Pain Therapy

Peer-Review Service

2008	Ad-hoc Reviewer, <i>American Journal of Public Health</i>
2009-2014	Ad-hoc Reviewer, <i>Health Services Research</i>
2010-present	Ad-hoc Reviewer, <i>Journal of General Internal Medicine</i>
2012-present	Ad-hoc Reviewer, <i>Health Affairs</i>
2013	Ad-hoc Reviewer, <i>British Medical Journal</i>
2015-present	Ad-hoc Reviewer, <i>PLoS One</i>
2017	Abstract Reviewer, AcademyHealth Annual Research Conference, theme: Health Workforce
2023-present	Ad-hoc Reviewer, <i>Journal of the American Medical Association</i>
2024-present	Ad-hoc Reviewer, <i>Alzheimer's & Dementia</i>

Grant Reviewer

2017	<u>Reviewer:</u> National Institutes of Health Special Emphasis Panel/Scientific Review Group “NIH-DOD-VA Pain Management Collaboratory – Pragmatic Clinical Trials Demonstration Projects UG3/UH3”
2018	<u>Reviewer:</u> National Institutes of Health Special Emphasis Panel ZAT1 VS(09) “NIH-NCCIH Training and Research Grants”
2018	<u>Reviewer:</u> National Institutes of Health, National Center for Complementary and Integrative Medicine, Loan Repayment Applications
2019	<u>Reviewer:</u> National Institutes of Health Special Emphasis Panel ZAT1 AJT(10) “NIH-NCCIH Training and Research Grants”
2019	<u>Reviewer:</u> National Institutes of Health, National Center for Complementary and Integrative Medicine, Loan Repayment Applications
2019	<u>Co-chair:</u> National Institutes of Health Special Emphasis Panel/Scientific Review Group ZAT1 JM(02) “HEAL Initiative: Pragmatic and Implementation Studies for the Management of Pain to Reduce Opioid Prescribing (PRISM 1) UG3/UH3”
2019	<u>Chair:</u> National Institutes of Health Special Emphasis Panel/Scientific Review Group ZAT1 JM(03) “HEAL Initiative: Pragmatic Randomized Clinical Trial of Acupuncture for Management of Chronic Low Back Pain in Older Adults (PRISM 2) UG3/UH3”
2020	<u>Reviewer:</u> National Institutes of Health Special Emphasis Panel/Scientific Review Group ZAT1 AJT(18) “HEAL Initiative: Pragmatic and Implementation Studies for the Management of Pain to Reduce Opioid Prescribing (PRISM) UG3/UH3”
2021	<u>Reviewer:</u> National Institutes of Health Special Emphasis Panel ZAT1 PS(02) “NIH-NCCIH Training and Research Grants”
2021	<u>Reviewer:</u> National Institutes of Health, National Center for Complementary and Integrative Medicine, Loan Repayment Applications

- 2022 Reviewer: National Institutes of Health Special Emphasis Panel ZAT1 PS(07) “NIH-NCCIH Training and Research Grants”
- 2023 Reviewer: National Institutes of Health (National Institute on Aging) Special Emphasis Panel ZAG1 ZIJ-1 (J1) “Alzheimer’s Disease (AD) and AD-Related Dementias (ADRD) Real-World Data Platform U54”

Teaching

Institutional Activities

Student Awards

- 2016 Rackham One Term Dissertation Grant (Kayoung Lee)
- 2017 Institute for Healthcare Policy and Innovation Health Services Research Summer Student Fellowship (Cui Guo)
- 2017 Karl Ma Rackham Award (Kayoung Lee)
- 2017 ProQuest Distinguished Dissertation Award (Jordan Harrison)
- 2018 Student Award ‘Best of AcademyHealth’ (Megan Czerwinski)
- 2021 Best PhD Student Poster Presentation, University of Michigan School of Nursing (Kathryn Lee)
- 2022 Institute for Healthcare Policy and Innovation Health Services Research Summer Student Fellowship (Melissa Zochowski)
- 2022 Rackham Graduate Student Instructor (GSI) Award (Rachel Logue)
- 2022 Rackham Predoctoral Fellowship (Rachel Logue-Cook)

Didactic Courses

- 2010 Teaching Assistant, ECS111: “Critical Issues in Health and Health Care”
The Dartmouth Institute, Lebanon, NH
- 2011 Teaching Assistant, ECS141: “Epidemiology and Biostatistics II”
The Dartmouth Institute, Lebanon, NH
- 2012 Teaching Assistant, ECS141: “Epidemiology and Biostatistics II”
The Dartmouth Institute, Lebanon, NH
- 2013 Faculty of Record, ECS141: “Regression and Other Methods”
The Dartmouth Institute, Lebanon, NH
- 2015 (fall) Faculty of Record, N802: “Epidemiology for Health Professionals”
University of Michigan School of Nursing, Ann Arbor, MI
- 2016 (winter) Faculty of Record, N800: “Statistics for Advanced Practice”
University of Michigan School of Nursing, Ann Arbor, MI
- 2016 (fall) Faculty of Record, N802: “Epidemiology for Health Professionals”
University of Michigan School of Nursing, Ann Arbor, MI
- 2016 (winter) Faculty of Record, “Data User Group”
University of Michigan School of Nursing, Ann Arbor, MI
- 2016 (summer) Co-Instructor, “Analysis of Large US Health Data”
IHPI Clinical Scholars Program (4 sessions, each 180 minutes)
University of Michigan, Ann Arbor, MI
- 2017 (fall) Faculty of Record, HS802: “Epidemiology for Health Professionals”
University of Michigan School of Nursing, Ann Arbor, MI
- 2018 (winter) Faculty of Record, N800: “Statistics for Advanced Practice”
University of Michigan School of Nursing, Ann Arbor, MI
- 2018 (winter) Faculty of Record, HS807: “Management and Analysis of Large US Health Data”
University of Michigan, Ann Arbor, MI
- 2018 (fall) Faculty of Record, N800: “Statistics for Advanced Practice”

2018 (fall)	University of Michigan School of Nursing, Ann Arbor, MI Faculty of Record, HS802: “Epidemiology for Health Professionals” University of Michigan School of Nursing, Ann Arbor, MI
2019 (winter)	Faculty of Record, HS807: “Management and Analysis of Large US Health Data” University of Michigan, Ann Arbor, MI
2019 (fall)	Faculty of Record, HS700: “Applied Biostatistics for Clinical Practice” University of Michigan School of Nursing, Ann Arbor, MI
2019 (fall)	Faculty of Record, HS802: “Epidemiology for Health Professionals” University of Michigan School of Nursing, Ann Arbor, MI
2020 (fall)	Faculty of Record, HS700: “Applied Biostatistics for Clinical Practice” University of Michigan School of Nursing, Ann Arbor, MI
2020 (fall)	Faculty of Record, HS807: “Management and Analysis of Large US Health Data” University of Michigan, Ann Arbor, MI
2021 (winter)	Faculty of Record, N697 “Independent Study” (2 MHI students) University of Michigan, Ann Arbor, MI
2021 (fall)	Faculty of Record, HS700: “Applied Biostatistics for Clinical Practice” University of Michigan School of Nursing, Ann Arbor, MI
2021 (fall)	Faculty of Record, HS851 (PhD): “Scientific Methods for Health Sciences: Applied Inference” University of Michigan School of Nursing, Ann Arbor, MI
2022 (fall)	Faculty of Record, HS700: “Applied Biostatistics for Clinical Practice” University of Michigan School of Nursing, Ann Arbor, MI
2022 (fall)	Faculty of Record, LHS665: “Applied Biostatistics for Health Researchers” University of Michigan Medical School, Ann Arbor, MI
2022 (fall)	Faculty of Record, N697 “Management and Analysis of Large US Health Data,” Independent Study (1 SON, 3 HBHE PhD students) University of Michigan Medical School, Ann Arbor, MI
2023 (fall)	Faculty of Record, HS700: “Applied Biostatistics for Clinical Practice” University of Michigan School of Nursing, Ann Arbor, MI
2023 (fall)	Faculty of Record, LHS665: “Applied Biostatistics for Health Researchers” University of Michigan Medical School, Ann Arbor, MI
2024 (fall)	Faculty of Record, HS700: “Applied Biostatistics for Clinical Practice” University of Michigan School of Nursing, Ann Arbor, MI
2024 (fall)	Faculty of Record, LHS665: “Applied Biostatistics for Health Researchers” University of Michigan Medical School, Ann Arbor, MI
2025 (fall)	Faculty of Record, HS700: “Applied Biostatistics for Clinical Practice” University of Michigan School of Nursing, Ann Arbor, MI
2025 (fall)	Faculty of Record, LHS665: “Applied Biostatistics for Health Researchers” University of Michigan Medical School, Ann Arbor, MI

Intramural Guest Teaching

2010	“The Placebo Effect” (60 minutes) Presented in Inferential Methods and Systematic Review: Part 1 (ECS100) The Dartmouth Institute, Lebanon, NH
2010	“The Design and Visual Display of Data” (60 minutes) Presented at The Dartmouth Institute Seminar Series The Dartmouth Institute, Lebanon, NH
2010	“Unconventional Health Care in the United States” (90 minutes) Presented in Critical Issues in Health and Health Care (ECS111) The Dartmouth Institute, Lebanon, NH
2011	“Beyond NHANES: Other National Surveys” (60 minutes)

- Presented in Survey Research Methods (ECS122)
The Dartmouth Institute, Lebanon, NH
- 2011 “The Placebo Effect: Friend or Enemy?” (60 minutes)
Presented in Inferential Methods and Systematic Review: Part 1 (ECS100)
The Dartmouth Institute, Lebanon, NH
- 2011 “Unconventional Health Care in the United States” (90 minutes)
Presented in Critical Issues in Health and Health Care (ECS111)
The Dartmouth Institute, Lebanon, NH
- 2012 “National Health Surveys and the Development of Research Ideas” (60 minutes)
Presented in Survey Research Methods (ECS122)
The Dartmouth Institute, Lebanon, NH
- 2012 “The United States Complementary and Alternative Medicine Market” (90 minutes)
Presented in Critical Issues in Health and Health Care (ECS111)
The Dartmouth Institute, Lebanon, NH
- 2013 “National Health Surveys” (60 minutes)
Presented in Survey Research Methods (ECS122)
The Dartmouth Institute, Lebanon, NH
- 2014 “Introduction to Environmental Epidemiology” (90 minutes)
Presented in Environmental Health Science and Policy (ECS151)
The Dartmouth Institute, Lebanon, NH
- 2014 “National Health Surveys” (60 minutes)
Presented in Survey Research Methods (ECS122)
The Dartmouth Institute, Lebanon, NH
- 2015 “National Health Surveys” (60 minutes)
Presented in Survey Research Methods (ECS122)
The Dartmouth Institute, Lebanon, NH
- 2016 “Introduction to Epidemiology” (120 minutes)
Presented in Community Health Nursing (N456)
University of Michigan School of Nursing, Ann Arbor, MI
- 2017 (winter) “Introduction to Epidemiology” (120 minutes)
Presented in Community Health Nursing (N456)
University of Michigan School of Nursing, Ann Arbor, MI
- 2017 (spring) “Introduction to Epidemiology” (120 minutes)
Presented in Community Health Nursing (N456)
University of Michigan School of Nursing, Ann Arbor, MI
- 2018 (fall) “Introduction to Epidemiology” (120 minutes)
Presented in Community Health Nursing (N456)
University of Michigan School of Nursing, Ann Arbor, MI
- 2019 (winter) “Introduction to Epidemiology” (120 minutes)
Presented in Community Health Nursing (N456)
University of Michigan School of Nursing, Ann Arbor, MI
- 2019 (winter) “Survival Analysis and Cox Proportional Hazards” (120 minutes)
Presented in Scientific Models for Health Sciences: Linear Models (HS852)
University of Michigan School of Nursing, Ann Arbor, MI
- 2019 (fall) “Introduction to Epidemiology” (120 minutes)
Presented in Community Health Nursing (N456)
University of Michigan School of Nursing, Ann Arbor, MI
- 2020 (winter) “Introduction to Epidemiology” (120 minutes)
Presented in Community Health Nursing (N456)
University of Michigan School of Nursing, Ann Arbor, MI
- 2020 (fall) “Introduction to Epidemiology” (120 minutes)

- 2021 (winter) Presented in Community Health Nursing (N456)
University of Michigan School of Nursing, Ann Arbor, MI
“Survival Analysis and Cox Proportional Hazards” (120 minutes)
- 2021 (winter) Presented in Scientific Models for Health Sciences: Linear Models (HS852)
“Introduction to Epidemiology” (120 minutes)
- 2021 (winter) Presented in Community Health Nursing (N456)
University of Michigan School of Nursing, Ann Arbor, MI
“Introduction to Health Data” (120 minutes)
- Nurse Executive Fellow Academy
University of Michigan School of Nursing, Ann Arbor, MI

International

- 2017 Workshop: “Introduction to Using Big Data for Health Research” (2 days)
Presented to Thailand’s Ministry of Public Health, Bangkok, Thailand.
- 2023 (summer) Presentation & Workshop “Data Sources for ADRD Healthcare Research” (120 minutes),
Interdisciplinary Summer Research Institute
Alzheimer’s Association, Chicago, IL
- 2024 (summer) Presentation & Workshop “Data Sources for ADRD Healthcare Research” (120 minutes),
Interdisciplinary Summer Research Institute
Alzheimer’s Association, Chicago, IL

Committee, Organization, and Volunteer Service

- 2009 Community Outreach: Health Risks of Residing Near an Abandoned Asbestos Mine
Collaborated with Vermont Department of Health epidemiologists to determine the environmental health risks of Vermonters living near the abandoned asbestos mines in Eden and Lowell, Vermont. The project resulted in a white paper report for Vermont health officials and policymakers.
- 2010 Coordinator: Implementing Continual Quality Improvement at a Rural Primary Care Office
Three-month project in collaboration with Dartmouth faculty, public health graduate students, and staff at Grace Cottage Family Health. The project focused on ways of creating a culture based on quality improvement at the rural primary clinics at Grace Cottage Hospital.
Townshend, VT
- 2011 Volunteer, Presenter: “Healthcare Careers Workshop” for the Area Health Education Center’s:
Health Careers Institute at Dartmouth summer program for high school students.
- 2012-2014 Coordinator: Text Mining Research Group, Institute for Quantitative Biomedical Sciences,
Dartmouth College, NH
- 2014-2015 Faculty Search Committee Member: Analytics faculty hire, University of Michigan School of
Nursing, Ann Arbor, MI
- 2014-2017 Coordinator: Department of Systems, Populations, and Leadership Work in Progress forum,
University of Michigan School of Nursing, Ann Arbor, MI
- 2015-2018 Member: Population Health Track Development Committee, Department of Systems,
Populations, and Leadership, University of Michigan School of Nursing, Ann Arbor, MI
- 2016 Faculty Interviewer of MSN and DNP student applicants, University of Michigan School of
Nursing, Ann Arbor, MI
- 2016-2019 Member: University of Michigan School of Nursing Health Analytics Collaboratory,
University of Michigan School of Nursing, Ann Arbor, MI
- 2017-2019 Member: Advisor Board to the Institute for Healthcare Policy and Innovation’s Data Hub, Ann
Arbor, MI
- 2016-2018 Consultant: Thailand Ministry of Public Health

Offered technical advisement regarding large data analysis – national Thai data includes information on approximately 60 million individuals that integrates health survey, clinical, and administrative healthcare data. Bangkok, Thailand

2016-2018 Board Member: Doctor of Nursing Practice Advisory Board, University of Michigan School of Nursing, Ann Arbor, MI

2016-2017 Chair-elect: Curriculum Committee, University of Michigan School of Nursing, Ann Arbor, MI

2017 Faculty Interviewer of DNP student applicants, University of Michigan School of Nursing, Ann Arbor, MI

2017-2018 Member: PhD Curriculum Revision Advisory Board, University of Michigan School of Nursing, Ann Arbor, MI

2017-2018 Chair: Curriculum Committee, University of Michigan School of Nursing, Ann Arbor, MI

2018 Coordinator, University of Michigan webinar series on Sources of National Health Data (CDC/NCHS, AHRQ, HRSA, and NCI presenters), Ann Arbor, MI

2018-2019 Member: MSN Curriculum Revision Advisory Board, University of Michigan School of Nursing, Ann Arbor, MI

2018-2019 Director: Data Management Core
University of Michigan School of Nursing, Ann Arbor, MI

2019 Coordinator: University of Michigan webinar series on Sources of National Health Data (CDC/NCHS, AHRQ, HRSA, and NCI presenters), Ann Arbor, MI

2019-2020 Member: MSN Digital Curriculum Implementation Committee, University of Michigan School of Nursing, Ann Arbor, MI

2019-2020 Member: Health Infrastructures and Learning Systems Graduate Program Committee, Department of Learning Health Sciences, University of Michigan Medical School, Ann Arbor, MI

2020 Coordinator: University of Michigan webinar series on Sources of National Health Data (CDC/NCHS, AHRQ, HRSA, and NCI presenters), Ann Arbor, MI

2020-present Member: Curriculum Committee, Department of Learning Health Sciences, University of Michigan Medical School, Ann Arbor, MI

2022 Member: PhD Student Admission Committee, University of Michigan School of Nursing, Ann Arbor, MI

2022-2024 Member: IHPI Sandy-Hassmiller Early Career Research Award Selection Committee, Institute for Health Policy and Innovation, University of Michigan, Ann Arbor, MI

2020-2023 Member: University of Michigan School of Nursing Executive Committee, Ann Arbor, MI

2023 Member: PhD Student Admission Committee, University of Michigan School of Nursing, Ann Arbor, MI

2023 Invited Participant: Centers for Disease Control and Prevention’s Alzheimer’s Disease Program Advisory Group for the Health and Federally Funded Research Development Center

2023-present Advisor to the director: University of Michigan School of Nursing PhD Program Advisory Group, Ann Arbor, MI

2023-2024 Lead of Faculty Engagement: University of Michigan 2034 Vision Project, Ann Arbor, MI

2023 Co-chair: Curriculum Committee, Department of Learning Health Sciences, University of Michigan Medical School, Ann Arbor, MI

2023-2025 Member: Executive Committee, Department of Learning Health Sciences, University of Michigan Medical School, Ann Arbor, MI

2024 Member: University of Michigan 2024 Faculty Salary Study Advisory Committee.
Office of the Provost, University of Michigan, Ann Arbor, MI

2024-2025 Chair-elect: Committee on Academic Admissions and Scholastic Standing, University of Michigan School of Nursing, Ann Arbor, MI

2024-2025 Chair: Curriculum Committee, Department of Learning Health Sciences, University of Michigan Medical School, Ann Arbor, MI

2024-2025	Member: Rackham Outstanding Graduate Student Instructor Selection Committee. Rackham Graduate School, University of Michigan, Ann Arbor, MI
2025-present	Member: Curriculum Committee, Department of Learning Health Sciences, University of Michigan Medical School, Ann Arbor, MI
2025-present	Chair: Committee on Academic Admissions and Scholastic Standing, University of Michigan School of Nursing, Ann Arbor, MI
2025-present	Member: Dean Search Advisory Committee, University of Michigan, Office of the Provost, Ann Arbor, MI

Seminars, Visiting Professorships, and Extramural Invited Presentation

Intramural Research Seminars

2011	Research Seminar: “The United States Complementary and Alternative Medicine Market” Presented at the Data and Analytic Core Seminar Series The Dartmouth Institute, Lebanon, NH
2013	Research Seminar: “Mining Facebook Conversations Related to Health and Medicine” Presented to the Text Mining Research Group, Institute for Quantitative Biomedical Sciences Dartmouth College, Hanover, NH
2014	Research Seminar: “Studying Healthcare from the Intersection of Health Services Research, Epidemiology, and Informatics” Presented in The Dartmouth Institute Seminar Series The Dartmouth Institute, Lebanon, NH
2016	Research Seminar: “Early Life Exposure to Low-Level Arsenic in US Populations” Presented in the Child Health Evaluation and Research Seminar Series University of Michigan, Ann Arbor, MI
2016	Research Seminar: “Introduction to Health Services Research” Presented in Lunch and Learn Seminar Series University of Michigan School of Nursing, Ann Arbor, MI
2016	Research Seminar: “National Health Surveys” Analytic Methods for Science and Practice Group Seminar Series University of Michigan School of Nursing, Ann Arbor, MI
2017	Research Seminar: “Identifying Patterns in Healthcare Data” Institute for Healthcare Policy and Innovation Seminar Series University of Michigan, Ann Arbor, MI
2017	Research Seminar: “Using Big Data for Healthcare Research” Presented at the D43 Seminar Series University of Michigan School of Nursing, Ann Arbor, MI
2019	Research Seminar: “Using Healthcare Data for Prediction and Pattern Identification” Presented in the T32 Seminar Series University of Michigan School of Nursing, Ann Arbor, MI
2021	Workshop: “Panel Discussion: Strategies for Surviving and Thriving when Working from Home During a Global Pandemic” (1 hour) 2021 Institute for Healthcare Policy and Innovation Junior Faculty workshop, Ann Arbor, MI
2021, 2022	Research Seminar: “Conducting Health & Healthcare Studies using Large, Pre-existing Data” Presented in the T32 Seminar Series (Interdisciplinary Research Training Center in Cancer Care Delivery) University of Michigan School of Nursing, Ann Arbor, MI
2023	Research Seminar: “Use of the National Violent Death Reporting System to Study Suicide Risk among U.S. Healthcare Workers” Presented in the College of Pharmacy, Clinical Graduate Seminar University of Michigan College of Pharmacy, Ann Arbor, MI

2025 Research Seminar: “Getting Started with Secondary Data”
Eisenberg Family Depression Center, University of Michigan, Ann Arbor, MI

Extramural Invited Presentations

- 2009 Workshop: “The Supply and Demand of U.S. Chiropractors from 1996 to 2006: Past Trends and Future Ramifications” Presented at the 2009 Association of Chiropractic Colleges and Research Agenda Conference, Las Vegas, NV
- 2016 Workshop: “Using Big Data for Healthcare Research” Presented at the International Conference on Non-Communicable Diseases and Global Health, Phuket, Thailand
- 2018 Research Seminar: “Mining Health Data for Prediction and Pattern Identification” Presented at the 2018 Big Ten Academic Alliance Nursing Informatics Collaborative Webinar Series.
- 2020 Workshop: “NCCIH Career Development Opportunities: Planning Successful Research Career Transitions” (3 hours) Was to be presented at the 2020 International Congress on Integrative Medicine and Health, Cleveland, OH (*canceled due to COVID pandemic*)
- 2021 Research Seminar: “Differences in the Time to Dementia Diagnosis by Socioeconomic Status: A Retrospective Cohort Study” Presented at the 2021 seminar series for the Causes and Consequences of Variation in Public and Private Payment Rates (Dartmouth College P01).
- 2021 Research Seminar: “Research Opportunities in the Economics of Alzheimer’s Disease and Cognitive Decline: Population-Based National Health Surveys for Studying Cognition and Dementia” Presented at the 2021 seminar series of the National Bureau of Economic Research (NBER).
- 2022 Michel M. Davis Lecture Series: Using the National Violent Death Reporting System to Study Suicide Risk among U.S. Healthcare Workers. Presented at the University of Chicago Center for Health Administration Studies (CHAS).
- 2022 Keynote Presentation: 2022 Research Day, Northeast College of Health Sciences, Seneca Falls, NY
- 2022 Research Panel: “Cognitive Reserve over the Lifecycle” (1 hour) CAPRA- National Bureau of Economic Research (NBER) Conference: Financial & Economic Decision-Making, Alzheimer’s Disease, and Outcomes over the Lifecycle, Boston, MA.

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Peer-Reviewed (*data-based publication, ^ssenior author, underlined denotes student author)

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81. *Cox CG, **Davis MA**, Grill JS, Roberts S. US adults' likelihood to participate in dementia prevention drug trials: Results from the National Poll on Healthy Aging. *The Journal of Prevention of Alzheimer's Disease*. 2023;10(1):34-40. PMID: 36641608. <https://link.springer.com/article/10.14283/jpad.2022.86>
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84. *Kim YB, **Davis MA**^s, Sites BD, Braun T. Development of a method to identify duration of action for pain interventions using area under the curve. *Regional Anesthesia & Pain Medicine*. 2024. PMID: 37821147. <https://rapm.bmj.com/content/early/2023/10/11/rapm-2023-104742>
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86. *Patel AB, Kerins GJ, Sites BD, Duprat CN, **Davis MA**^s. Differences in the association between epidural analgesia and length of stay by surgery type: An observational study. *Regional Anesthesia & Pain Medicine*. 2025;50(3):252-256. PMID: 38286737. <https://rapm.bmj.com/content/50/3/252>
87. *Iskandar M, Martindale J, Bynum JPW, **Davis MA**^s. Association between family household income and high cognitive resilience among older US adults: A cross-sectional study. *Journal of Prevention of Alzheimer's Disease*. 2024;11(5):1406-1409. PMID: 39350387. <https://www.sciencedirect.com/science/article/pii/S227458072400671X?via%3Dihub>
88. *Logue-Cook RN, **Davis MA**, Brown SH. Racial/Ethnic differences in self-reported upper limb limitations among U.S. older adults. *Journal of Gerontology Series A*. 2024;79(7):glae104. PMID: 38642467. <https://doi.org/10.1093/gerona/glae104>
89. *Bynum JPW, Benoucif S, O'Malley J, **Davis MA**^s. Regional variation in diagnostic intensity of dementia among older U.S. adults: An observational study. *Alzheimer's & Dementia*. 2024;20(10):6755-6764. PMID: 39149970. <https://alz-journals.onlinelibrary.wiley.com/doi/10.1002/alz.14092>
90. *Ahr C, Gates C, Friese CR, Manjlovich M, **Davis MA**^s. The impact of the COVID-19 pandemic on the inpatient and long-term care nursing workforces. 2025. Under review.
91. *Bell SA, Fiffer M, Martindale J, Bynum JPW, Tootoo J, Zomorodi R, Lilienfeld A, Miranda ML, **Davis MA**^s. Variation in one-year mortality following severe weather exposure among older Americans by chronic health condition and sociodemographic status. 2025. Under review.
92. *Bynum JPW, Martindale J, Lee KA, **Davis MA**^s. Availability of physicians with Alzheimer's disease and other dementia expertise. 2024. Under review.
93. *Patel AB, Kerins GJ, Sites BD, Millington T, Bryan Y, **Davis MA**^s. Impact of removing liposomal bupivacaine from a health system formulary on length of stay: An observational study in video assisted thoracoscopic lobectomy. 2025. Under review.
94. *Logue-Cook RN, Kinnett-Hopkins D, Hasson RE, **Davis MA**, Brown SH. What about the hands? Older Adults' attitudes and perceptions of hand function. 2025. Under review.
95. *Horton D, Shi G, **Davis MA**, Kilbourne A. Pacing in posttraumatic stress disorder therapy: A meta-regression of treatment frequency and completion rates. 2025. Under review.

Non-Peer Reviewed

96. Whedon JM, Bove GM, **Davis MA**^s. Critique of review of deaths after chiropractic, 5. *The International Journal of Clinical Practice*. 2010:65;105. PMID: 21155948, <http://dx.doi.org/10.1111/j.1742-1241.2010.02559.x>

Lay Articles

1. **Davis MA**. The Vermont Observer (newspaper in Vermont), bimonthly health column from 2005 to 2007
2. **Davis MA**. The Brattleboro Reformer (newspaper in Vermont), monthly health column from 2007 to 2009
3. Sites BD and **Davis MA**. “4 Steps to Reversing the Epidemic of Opioid Use Disorders” August 2017. STAT (Boston Globe).
4. **Davis MA** and Langa K. “Rich American Seniors are Getting Healthier, Leaving the Poor Behind” September 2017. The Conversation. Republished by the Associated Press and the Chicago Tribune.

Other Media

Educational Materials (textbooks/training manuals)

1. **Davis MA** and Sirovich BE. (2012) Regression and Other Methods Lab Manual.
Description: A 200-page laboratory manual that teaches applied regression and data management. The text has been used to train Dartmouth MPH and MS students since 2012
2. **Davis MA**. (2018) Management & Analysis of Large Health Data Programming Manual.
Description: A 300-page textbook that teaches how to analyze national health data from: the National Health and Nutrition Examination Survey (NHANES); the Area Health Resource File, the Surveillance, Epidemiology, and End Results Program (SEER) Cancer Registry; the National Ambulatory Medical Care Survey (NAMCS and NHAMCS); and the Medical Expenditure Panel Survey (MEPS). The programming manual is the textbook for my university-wide health sciences course “Management and Analysis of Large US Health Data” (HS807).

Podcast

3. **Davis MA** and Maust D. (10 episodes per year, 2021-present) The Minding Memory Podcast: Exploring research on Alzheimer’s disease and other types of dementia
Description: “In this podcast we discuss topics related to dementia research. This is an all-hands-on-deck moment for dementia research, and we have topics for both those new to the space as well as old pros. We start with some basics, like: What exactly is dementia? What are the different types of dementia? What is the TICS, if not a swarm of blood-sucking insects? But we also invite researchers on to discuss their interesting work to give you a glimpse at the questions, data, and methods moving the field forward. Minding Memory is co-hosted by Matthew Davis and Donovan Maust. The Minding Memory podcast is part of the Center to Accelerate Population Research in Alzheimer’s (CAPRA) at the University of Michigan, supported by the National Institute on Aging at the National Institutes of Health. Additional support also comes from the Institute for Healthcare Policy and Innovation.”
Michigan Medicine Podcasts: <https://www.michiganmedicine.org/news-list/podcast>
Apple: <https://podcasts.apple.com/us/podcast/minding-memory/id1589848689>
Google: <https://podcasts.google.com/search/minding%20memory>
Spotify: <https://open.spotify.com/show/0fYyXA7a5jAqg7fEpBf6KK>

Release Date	Title
10/11/2021	Introduction to the Minding Memory Podcast

10/25/2021	What is the Value of Early Detection of Dementia?
11/8/2021	Could the FDA's Approval of the New Drug to Treat Alzheimer's Disease do more Harm than Good?
11/22/2021	What are the Implications of Approval of Aduhelm (Aducanumab) to the US Healthcare System?
12/6/2021	What are the Different Types of Dementia? A Primer for those of us who aren't Healthcare Clinicians
12/20/2021	Keep it Down out There: You're Hurting my Brian
01/02/2022	Drugs and Dementia: The Good, the Bad, and the Ugly
01/17/2022	Donovan Takes the Telephone Interview for Cognitive Status
01/31/2022	Caregiving for Individuals Living with Dementia
02/14/2022	What is it Like to be a Caregiver for a Person Living with Dementia?
02/28/2022	The Study most often Cited in the First Sentence of Dementia Research Papers
10/17/2022	Dementia as a Cause of Death
10/31/2022	Cognitive Impairment and Susceptibility to Scams
11/14/2022	Healthcare at Home for People Living with Dementia
11/28/2022	The Secret Life of a Health Data Analyst
12/12/2022	Personality Type and Cognitive Resilience
01/09/2023	Has the Likelihood of Receiving a Dementia Diagnosis at the End of Life Changed?
01/23/2023	Emotional Burden & Depressive Symptoms in Caregivers
02/06/2023	Personal Financial Problems and the Onset of Dementia
02/20/2023	Genetic Testing for Alzheimer's Disease
09/25/2023	The Long-Term Care Data Cooperative: Your One Stop Shop for Nursing Home Data
10/09/2023	Lecanemab: Breakthrough Alzheimer's Disease Medication Deja vu
10/23/2023	People Living with Dementia and Exposure to Natural Disasters
11/06/2023	Dementia at the End of Life
11/20/2023	Dementia as a Global Challenge – the International Partners Study of the
12/04/2023	Vision Impairment as a Risk Factor for Dementia
01/16/2024	Identifying Dementia from EHR Data
01/29/2024	Racial Disparities in Alzheimer's Disease and Related Dementias
02/12/2024	The Professional Workforce of People Who Provide Dementia Care
02/26/2024	The Intersection of Artificial Intelligence & Alzheimer's Disease and Related Dementias
09/30/2024	The Return of Minding Memory
10/15/2024	Can a Serious Infection Increase the Risk of Developing Dementia?
10/29/2024	The Impact of Partner Plan Choices among Older Adults Enrolled in Medicare Advantage
11/12/2024	Can a Personalized Music Intervention Reduce Behavioral Disturbances in Dementia?
12/03/2024	Greenspace and Late-Life Cognitive Decline
12/17/2024	The Link between Hearing Loss and Cognitive Decline
01/07/2025	Understanding Dementia Risk Factors
01/21/2025	Identifying Cognitive Difficulty among Middle Eastern and North African (MENA) Americans
02/04/2025	Exposure to a Natural Disaster and Long-term Cognition
02/25/2025	An Introduction to the Guiding an Improved Dementia Experience (GUIDE) Model of Care

Abstracts/Poster Presentations

1. **Davis MA**, Whedon JM, Weeks WB. (2010) Utilization and Expenditures on Chiropractic Care in the U.S. from 1997 to 2006. 2010 Association of Chiropractic Colleges and Research Agenda Conference, Las Vegas, NV
2. **Davis MA**, Weeks WB. (2011) Regional Variation in the Supply of U.S. Chiropractors. 2011 American Public Health Association Annual Meeting, Washington, DC
3. **Davis MA**, Weeks WB. (2011) The Concentration of Out-of-pocket Expenditures on Complementary and Alternative Medicine in the United States. 2011 AcademyHealth Annual Research Meeting, Seattle, WA
4. **Davis MA**, Martin BI, Coulter ID, Weeks WB. (2011). Trends in Utilization and Expenditures on Complementary and Alternative Medicine in the United States. 2011 AcademyHealth Annual Research Meeting, Seattle, WA
5. **Davis MA**. (2012) Direct-to-consumer Advertising of Integrative Medicine Clinics at US Academic Medical Centers. 2012 AcademyHealth Annual Research Meeting, Orlando, FL

6. **Davis MA**, Mackenzie TA, Cottingham KL, Gilbert-Diamond D, Punshon T, Karagas MR. (2012) Rice Consumption and Urinary Arsenic Concentrations in US Children. Dartmouth Graduate Student Research Session, Hanover, NH.
7. **Davis MA**, Li Z, Gilbert-Diamond D, Mackenzie TA, Cottingham K, Lee JS, Baker ER, Marsit CJ, Karagas MR. (2013) Infant Toenails as Biomarkers of in utero Arsenic Exposure. 2013 EPA/NIEHS Environmental Health Research Meets Clinical Practice and Public Policy Meeting, National Institutes of Health, Washington, DC
8. Harrison JM, **Davis MA**, Barton DL, Janz NK, Pressler SJ, Friese CR. (2016) Functional Status and Quality of Life Among Breast Cancer Survivors with Heart Failure: Secondary Analysis of the Medicare Health Outcomes Survey. 2016 Oncology Nursing Society Annual Congress, Denver, CO.
9. Harrison JM, Friese CR, Barton DL, Janz NK, Pressler SJ, **Davis MA**. (2017) Patient-Reported Functional Status and Quality of Life Outcomes in Breast Cancer Survivors with Comorbid Chronic Heart Failure. 2017 AcademyHealth Annual Research Meeting, New Orleans, LA.
10. Harrison JM, Lagisetty P, Site BD, Guo C, **Davis MA**. (2017) Trends in Prescription Pain Medications by Race and Ethnicity Among US Adults who have Non-cancer Pain. 2017 University of Michigan School of Nursing Dean's Research Day, "The Science of Additions: From Risk to Recovery", Ann Arbor, MI.
11. **Davis MA**, Guo C, Langa KM, Nallamothu BK. (2017) Functional Status and Medical Diagnoses Among Self-Reported Healthy Older Adults in the United States, 2000 to 2014. 2017 AcademyHealth Annual Research Meeting, New Orleans, LA.
12. **Davis MA**, Guo C, Titler MG, Friese CR. (2017) Advanced Practice Clinicians as a Usual Source of Care for Adults in the United States. 2017 AcademyHealth Annual Research Meeting, New Orleans, LA.
13. **Davis MA**, Lin AL, Liu H, Site BD. (2017) Prescription Opioid Use Among Adults with Mental Health Disorders in the United States. 2017 AcademyHealth Annual Research Meeting, New Orleans, LA.
14. Harrison JM, Lagisetty P, Site BD, Guo C, **Davis MA**. (2017) Trends in Prescription Pain Medications by Race and Ethnicity Among US Adults who have Non-cancer Pain. 2017 AcademyHealth Annual Research Meeting, New Orleans, LA.
15. **Davis MA**, Anthoplos R, Tootoo J, Titler MG, Yakusheva O, Bynum JPW. (2017) The Availability of Chiropractic Care in the United States: More Like other Healthcare Provider or For-Profit Health Businesses? 2017 AcademyHealth Annual Research Meeting, New Orleans, LA.
16. **Davis MA**, Kai Z, Liu Y, Levy H. (2017) Public Response to the Affordable Care Act on Twitter. 2017 AcademyHealth Annual Research Meeting, New Orleans, LA.
17. Yakusheva O, **Davis MA**. (2017) Primary Care Market: The Role of Provider Market Diversification for Quality, Utilization, and Costs of Care. 2017 AcademyHealth National Health Policy Conference, Washington, DC.
18. Guo C, **Davis MA**, Banerjee M. (2018) Mining Health Data for Prediction and Pattern Identification. Institute for Healthcare Policy and Innovation Annual Meeting, Ann Arbor, MI.
19. Bell SA, Banerjee M, Griggs J, Iwashyna TJ, **Davis MA**. (2018) The Effect of Exposure to Disaster on Cancer Survival. 2018 National Clinician Scholar Program Conference, Los Angeles, CA.
20. Masaracchia MM, Herrick MD, Liu H, Sites BD, **Davis MA**. (2018) Association between Sleep Apnea and Perioperative Outcomes among Patients undergoing Shoulder Arthroscopy. 2018 World Congress on Regional Anesthesia & Pain Medicine, New York, NY.
21. Czerwinski M, **Davis MA**, Yakusheva O. (2018) U.S. primary care market: The role of provider diversification for quality. Presented at the 2018 AcademyHealth Annual Research Meeting, Seattle, WA (Student Award, Best of AcademyHealth)
22. Bell SA, **Davis MA**, Iwashyna T. (2019) Hospitalizations following Natural Disasters among Older U.S. Adults. 2020 AcademyHealth National Health Policy Conference, Washington, DC.
23. Masaracchia M, Sites BD, Herrick M, **Davis MA**. (2020) Opioid Users and the Patient-Centered Medical Home. American Society of Regional Anesthesia and Pain Medicine 45th Annual Meeting, San Francisco, CA.

24. **Davis MA, Cher B, Friese CR, Bynum JPW.** (2020) Suicide among U.S. Nurses and Physicians. 2020 AcademyHealth Annual Research Meeting, Boston, MA.
25. **Cher B, Yakusheva O, Liu H, Bynum JPW, Davis MA.** (2020) The Effect of Healthcare Provider Availability on Spine Spending. 2020 AcademyHealth Annual Research Meeting, Boston, MA.
26. **Davis MA, Yakusheva O, Liu H, Bynum JPW.** (2020) The Effect of a Loss in Access to Chiropractic Care on Utilization of Medical Services for Spine Conditions Among Older Adults: A Quasi-Experimental Study. 2020 AcademyHealth Annual Research Meeting, Boston, MA.
27. **Davis MA, Lee K, Harris M, Langa KM, Bynum JPW, Hoffman GJ.** (2021) Differences in the Time to Dementia Diagnosis by Socioeconomic Status: A Retrospective Cohort Study. 2021 AcademyHealth Annual Research Meeting.
28. **Logue RN, Brown SH, Hasson RE, Davis MA.** (2021) Reliability of grip strength as a predictor of hand limitation among U.S. older adults: How good is grip strength? Gerontological Society of America Annual Scientific Meeting, Phoenix, AZ.
29. **Lee KA, Liu H, Davis MA.** (2021) The Effect of Increasing Access to Nurse Practitioners on Healthcare Services for Spine Conditions among Older Adults: A Quasi-Experimental Study. American Public Health Association Annual Meeting, Denver, CO.
30. **Cox CG, Davis MA, Grill JD, Roberts JS.** (2022) US Adults' Likelihood to Participate in Dementia Prevention Trials: Results from the National Poll on Health Aging. Alzheimer's Association International Conference, San Diego, CA.
31. **Coe AB, Davis MA, Martindale J, Bynum JPW.** (2023) Association between Hospital Quality Rating and New Central Nervous System (CNS)-active Prescriptions after Discharge in Older Adults with Dementia. Annual Scientific Meeting of the American Geriatrics Society, Long Beach, CA.
32. **Bynum JPW, Davis MA.** (2023) Regional Variation in Diagnostic Intensity of Dementia among Older U.S. Adults: A cross-sectional study. Alzheimer's Association International Conference, Amsterdam, Netherlands.
33. **Davis MA, Bynum JPW.** (2023) Regional Dementia Diagnostic Intensity and Healthcare Use among Older U.S. Adults Living with Alzheimer's Disease and Other Related Dementias. Alzheimer's Association International Conference, Amsterdam, Netherlands.
34. **Bynum A, Bynum JPW, Martindale J, Davis MA.** (2025) Availability of Physicians with Expertise in Dementia Care in Rural Areas. 2025 American Geriatrics Society Annual Scientific Meeting, Chicago, IL.
35. **Azizian AR, Davis MA, Friedman CP, McTigue KM, Boyer AR, Frost M.** (2025) Hypertension Diagnosis across Racial and Ethnic Groups: Insights from the 2021-23 U.S. National Health and Nutrition Examination Survey. 2025 AcademyHealth Annual Research Meeting, Minneapolis, MN.
36. **Horton D, Davis MA.** (2025) Pacing for PTSD: Examining Treatment Frequency As a Potential Predictor of Retention in Psychotherapy for Posttraumatic Stress Disorder (PTSD). 2025 AcademyHealth Annual Research Meeting, Minneapolis, MN.
37. **Ahr C, Gates C, Friese CR, Manjlovich M, Davis MA.** (2025) The Impact of the COVID-19 Pandemic on the Inpatient and Long-Term Care Nursing Workforces. 2025 AcademyHealth Annual Research Meeting, Minneapolis, MN.
38. **Montoya A, Park P, Jensen M, Davis MA, Bynum JPW.** (2025) Racial Disparities on Functional Improvement Among Nursing Home Residents after Skilled Nursing Facility Stay. 2025 American Geriatrics Society Annual Scientific Meeting, Chicago, IL.
39. **Coe AB, Farris KB, Davis MA, Martindale J, Bynum JPW.** (2025) Association of Medicare Transitional Care Management after Hospitalization and New CNS-Active Medication Use among Community-Dwelling Older Adults with Dementia. 2025 AcademyHealth Annual Research Meeting, Minneapolis, MN.
40. **Fiffer M, Lilienfeld A, Zomorodi R, Tootoo J, Gasymova R, Bell SA, Davis MA, Miranda ML.** (2025) Tropical Cyclone Exposure and Mortality Among Older Adults Residing in Socially Vulnerable Neighborhoods in NC. 2025 International Society of Exposure Science and the International Society of Environmental Epidemiology Annual Meeting, Atlanta, GA.

Conference Presentations

- 2010 Podium Presentation: Davis MA “Utilization and Expenditures on Chiropractic Care in the U.S. from 1997 to 2006” Presented at the 2010 Association of Chiropractic Colleges and Research Agenda Conference, Las Vegas, NV
- 2010 Podium Presentation: Davis MA “An Analysis of Medicare Part B Claims for Spinal Manipulation, 1998-2004” Presented at the 2010 Association of Chiropractic Colleges and Research Agenda Conference, Las Vegas, NV
- 2011 Podium Presentation: Davis MA “Regional Variation in the Supply of U.S. Chiropractors” Presented at the 2011 American Public Health Association Annual Meeting, Washington, DC
- 2011 Podium Presentation: Davis MA “Influenza Vaccination Among Chiropractic Patients and Other Users of Complementary and Alternative Medicine: Are Chiropractic Patients Really Different?” Presented at the 2011 Association of Chiropractic Colleges and Research Agenda Conference, Las Vegas, NV
- 2011 Podium Presentation: Davis MA “Influenza Vaccination Among Chiropractic Patients in Analyses of National Health Interview Survey” Presented at the 2011 Association of Chiropractic Colleges and Research Agenda Conference, Las Vegas, NV
- 2017 Podium Presentation: Davis MA “Patterns of Healthcare Spending in the Last Year of Life” 2017 AcademyHealth Annual Research Conference in “Long-term Services Support: Spending and Measurement,” (top 5 of all submissions in general session) New Orleans, LA.
- 2020 Podium Presentation: Davis MA “Suicide Among U.S. Nurses and Physicians” 2020 AcademyHealth Annual Research Conference in “Examining Health Workforce Contributions and Vulnerabilities”. (*canceled due to COVID pandemic*)
- 2022 Podium Presentation: Cox CG (student) “US Adults’ Likelihood to Participate in Dementia Prevention Trials: Results from the National Poll on Health Aging.” Presented at the 2022 Alzheimer’s Association International Conference, San Diego, CA.
- 2025 Podium Presentation: Bell SA and Davis MA “Exposure to Severe Weather Caused by Hurricane Harvey and Mortality among Populations of Vulnerable Older Adults.” Presented at the 2025 World Association for Disaster and Emergency Medicine, Tokyo, Japan.

Selected Articles and Interviews about my Research

1. Family Practice News. “Use of Complementary and Alternative Medicine Providers Declines” July 2007. Interviewed by M. Alexander Otto. Article in print and on the worldwide web.
2. US Department of Health and Human Services. “Soring US Spinal Care Spending due to Specialists” September 2012. Article on the US Department of Health and Human Service’s and US News websites.
3. US Environmental Protection Agency (EPA). “Rice Consumption May Expose Children to Arsenic” 2012. Article on the US EPA website.
4. National Public Radio, Marketplace. “Researchers are Finding Nuggets of Truth in Bad Jokes” February 2014. Interviewed by Dan Gorenstein. Interview broadcast on NPR and on the worldwide web.
5. The Atlantic. “The Science of Facebook Jokers” May 2014. Interviewed by James Hamblin. Article on the worldwide web.
6. USA Today. “One-liners May Hint at Feelings about Health Care” March 2014. Interviewed by Mary Bowerman. Article in print and on the worldwide web and reprinted by the Huffington Post.
7. New Hampshire Union Leader. “Dartmouth Researchers Study Success of Doctor Jokes on Facebook” February 2014. Interviewed by Meghan Pierce. Article in print and on the worldwide web.
8. Valley News. “Researchers Seek Hints at Patient Attitudes in Doctor Jokes” February 2014. Interviewed by Maggie Cassidy. Article in print and on the worldwide web.
9. Discover Magazine. “What do you get when you combine doctor jokes, Facebook, and science?” March 2014. Seriously Science blog, article on the worldwide web.

10. USA Today. “An Apple a Day Does Not Keep the Doctor Away - Really” March 2015. Interviewed by Kim Painter. Article in print and on the worldwide web.
11. The Today Show. “An Apple a Day Keeps this Person Away (it’s not the doctor)” March 2015. Interviewed by Meghan Holohan. Article on the Today Show’s website.
12. Reuters. “Apple a Day Might Keep the Pharmacist Away” March 2015. Interviewed by Lisa Rapaport. Article on the worldwide web.
13. Associated Press. “Research Debunks An Apple a Day Keeps the Doctor Away” March 2015. Interviewed by Lindsey Tanner. Article appeared across regional US newspapers in print, on the worldwide web (e.g., Fox, CBS, ABC News), and in a national radio broadcast.
14. MTV News. “Sorry, Mom: An Apple a Day Does Not Keep the Doctor Away, Says Research” March 2015. By Michael Pomranz. Article appeared on the worldwide web.
15. Forbes. “No, An Apple a Day Won’t Keep the Doctor Away” March 2015. Email interview by Larry Husten. Article on the worldwide web.
16. Good Morning America. “An Apple a Day May Not Keep the Doctor Away After All, a New Study Finds” March 2015. By Liz Neporent. Article appeared on the Good Morning America broadcast, website, and on ABC News.
17. The Atlantic. “Daily Apple Not Associated with Reduced Doctor Use” March 2015. Interviewed by James Hamblin. Article on the worldwide web.
18. Time Magazine. “An Apple a Day Keeps the Pharmacist Away” March 2015. By Alexandra Sifferlin. Article on Time Magazine’s website.
19. Huffington Post, United Kingdom. “Eating an Apple a Day Doesn’t Keep the Doctor Away, But it does Reduce your Pharmacy Visits, Study Finds” January 2015. By Rachel Moss. Article on worldwide web.
20. Harvard Health Blog. An Apple a Day May Not Keep the Doctor Away, but it’s a Healthy Choice Anyway. April 2015. By Daniel Pendick. Article on Harvard Medical School’s website.
21. Politico. “Health Affairs Study Challenges End-Of-Life Spending Assumptions” June 2016. By Sarah Karlin-Smith. Article appeared on Politico’s website.
22. Wales Online. “How True are our Most Popular Sayings?” May 2016. By Darren Devine. Article on the worldwide web.
23. Health Leaders News Media. “Explosive Healthcare Spending at End Of Life Uncommon” June 2016. Article appeared on the worldwide web.
24. Health Affairs Blog. “New Methodology to Examine Spending Patterns for End-Of-Life Care” June 2016. Interviewed by Chris Fleming. Article on the Health Affairs website.
25. American Journal of Managed Care. “High Persistent Spending Fairly Common Toward End-Of-Life” August 2016. By Priyam Vora. Article on AMJC website.
26. Managed Health Care. “Spending Patterns for End-Of-Life Care Set in Motion One Year Before Death” July 2016. Article on the worldwide web.
27. University of Michigan News. “Four Paths to the End of Life – One Far More Expensive than the Others – Emerge in New Study” June 2016. Interviewed by Kara Gavin. Appeared on the worldwide web.
28. Canada Free Press. “The Apples of Idunn” August 2016. By Wes Porter. Article on the worldwide web.
29. Chicago Tribune. “Going Gluten-free Might Increase Risk of Arsenic, Mercury Exposure, Study Finds” February 16, 2017. By Joseph Hernandez. Article on the worldwide web.
30. Ars Technica. “Potential Risks of Going Gluten-free, High Arsenic and Mercury Levels” February 13, 2017. By Beth Mole. Article on the worldwide web.
31. WebMD. “Possible Drawback to Gluten-free: Toxic Metals: Higher levels of arsenic, mercury found in people who follow this eating plan, study finds” February 16, 2017. By Robert Preidt. Article on the worldwide web.
32. The Washington Post. “Greater Opioid Use and Mental Health Disorders are Linked in New Study” June 26, 2017. By Lenny Bernstein. Article on the worldwide web.
33. Kaiser Health News. “Patients with Mental Disorders Get Half of All Opioid Prescriptions” June 26, 2017. By Vickie Connor. Article on the worldwide web.

34. New Hampshire Public Radio. “Despite Risks, High Rate of Opioid Prescriptions for People with Mental Health Conditions” June 26, 2017. By Todd Bookman. Article on the worldwide web.
35. Huffington Post. “More than Half of Opioid Prescriptions Go to People with Mental Illness” June 27, 2017. By Lindsay Holmes. Article on the worldwide web.
36. MLive. “Most Opioids Go to Those with Mental Health Issues, UMich Study Says” June 28, 2017. Interviewed by Martin Slagter. Article on the worldwide web.
37. STAT (Boston Globe). “51 Percent of Opioid Prescriptions Go to People with Depression and Other Mood Disorders” June 26, 2017. By Catherine Caruso. Article on the worldwide web.
38. Huffington Post. “Should People with Depression Take Prescription Painkillers?” September 9, 2017. By David Sack, MD. Article on the worldwide web.
39. Healthline News. “White, Rich Seniors are Getting Healthier” October 6, 2017. Interviewed by Matthew Berger. Article on the worldwide web.
40. Minnesota Post. “More Older Americans Report being in Good Health, but Most of the Gains go to Economic Elites” September 9, 2017. By Susan Perry. Article on the worldwide web.
41. The Atlantic. “Who Gets Health in Old Age? Rich, White People” September 19, 2017. By Olga Khazan. Article on the worldwide web. Republished in Huffington Post.
42. Population Reference Bureau. “Today’s Research on Aging” (report sponsored by the National Institute on Aging). February 12, 2018. By Paola Scommegna. Article published on the worldwide web.
43. U.S. News and World Reports. “Health Buzz: More Nurse Practitioners Practice in Low-Income Areas, Study Reveals” March 2, 2018. By David Oliver. Article on the worldwide web.
44. Editorial: Guille C. Rate of suicide among women nurses compared with women in the general population before the COVID-19 global pandemic. *JAMA Psychiatry*. 2021;78(6):597-598. PMID: 33851990. <https://doi.org/10.1001/jamapsychiatry.2021.0141>
45. Michigan Radio (NPR). “New U of M study finds nurses face increased risk of suicide” April 15, 2021. By Steve Carmody. Article published on the worldwide web.
46. Medscape Medical News. “Nurses or Physicians: Who Are at Highest Suicide Risk?” April 20, 2021. By Batya Swift Yagur. Article published on the worldwide web.
47. U.S. News and World Reports and WebMD. “Nurses are Dying from Suicide at Higher Rates” April 14, 2021. By Alan Mozes. Article published on the worldwide web.
48. The Washington Post. “Study: Older dementia patients go to the ER twice as often as other seniors” July 30, 2023. By Erin Blakemore. Article published on the worldwide web.
49. CNN Health. “Your ZIP Code may Determine your Dementia Diagnosis, Study Finds” August 26, 2024. By Sandee LaMotte. Article published on the worldwide web.
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