

Eric W. Christensen, PhD

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Education

PhD, Economics, University of Illinois at Urbana-Champaign, 2001

MA, Economics, Colorado State University, 1996

BS, Business Management (Finance), Brigham Young University, 1994

Experience

Neiman Health Policy Institute, Reston, VA

Research Director, Economic and Health Services Research

2022-present

Principal Research Scientist in Health Economics

2021-2022

Eric W. Christensen, PhD, LLC, Lakeville, MN

Economic Consultant

2017-present

- Litigation consulting
- Health economic consulting

College of Continuing and Professional Studies, University of Minnesota, St Paul, MN

Adjunct Professor, Health Services Management

2017-2024

- Applied Health Economics
- Health Economics and Policy

School of Business and Economics, University of Wisconsin – Superior, Superior, WI

Senior Lecturer

2021

- Principles of Microeconomics
- Principles of Macroeconomics

Children's Hospitals and Clinics of Minnesota, Minneapolis, MN

Health Economist, Children's Minnesota Research Institute

2015-2017

Center for Naval Analyses (CNA), Alexandria, VA

Managing Director/Research Team Leader, Health Research and Policy

2008-2015

Associate Director, Health Research and Policy

2008

Scientific Analyst to the Navy Surgeon General

2006-2009

Project Director, Health Research and Policy

2003-2008

Analyst assigned to the Navy Base Realignment and Closure Office

2003-2005

Analyst, Health Research and Policy

2001-2003

Eric W. Christensen, PhD, Woodbridge, VA

Economic Consultant

2004-2007

- Litigation consulting
- Consulted on business valuation, education funding, earnings losses, and medical costs

Publications

Christensen EW, Croasdell JM. A Regulatory Compliance Model for Punitive Damages, *Journal of Legal Economics*, forthcoming.

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Kao SZ, Sanmartin MX, Yee J, Chang KJ, Moreno CA, Brewington C., Bruining DH, Christensen EW, Rula EY, Sanelli PC. Cost-Effectiveness of CT Colonography Under Real-World Colorectal Cancer Screening Adherence for Black and White Populations. *Cancer Medicine*, 2025; 14:e71290.

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Morales-Tisnes T, Pelzl CE, Christensen EW, Rula EY, Otero HJ. Defining the pediatric radiology workforce in the United States using insurance claims data. *Journal of the American College of Radiology*, 2025; 22(11):1429-1435.

Patel AK, Drake AR, Brandt E, Christensen EW. Association of Changes in Missouri Law for Breast Cancer Screening, Screening. *Journal of the American College of Radiology*, 2025; 22(10):1207-1214.

Chung Y, Liu CM, Rula EY, Dako F, Carlos RC, Lee RK, Christensen EW. Association of Shared Decision-Making with Long-term Adherence to Lung Cancer Screening, *Chest*, 2025.

Christensen EW, Lui CM, Rula EY, Rao VM. Self-Interpretation of Imaging Studies by Ordering Providers: Frequency and Associated Provider and Practice Characteristics, *American Journal of Roentgenology*, 2025; 224(6):e2532769.

Christensen EW, Drake AR, Lenchik L and Boutin RD. Sarcopenia Diagnosis Trends and Opportunistic Use of Abdominal CT Among Medicare Beneficiaries. *Journal of the American College of Radiology*, 2025; 22(7):821-830.

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Shukla PA, Drake AR, Sare A, Rula EY, Christensen EW. Insurance-based Differences in Treatment Patterns for Uterine Fibroids. *Journal of the American College of Radiology*, 2025; 22(6):653-661.

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Christensen EW, Rula EY, Newhouse JH. Share of Diagnostic Imaging Interpretation: Radiology and Other Specialties. *Journal of the American College of Radiology*, 2024; 21(9):1444-1452.

Christensen EW, Chung Y, Rula EY, Parikh JR. Changes in the Radiology Practice Landscape and Indicators of Practice Consolidation From 2014 to 2023. *American Journal of Roentgenology*, 2024; 223(2):e2431357.

Christensen EW, Nicola GN, Rula EY, Nicola LP, Hirsch JA. Medicare Volume Growth and Shift in Payments from Physicians to Non-Physician Practitioners Under Statutory Budget Neutrality. *INQUIRY: The Journal of Health Care Organization, Provision, and Financing*, 2024; 61:1-9.

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Maynard R, Christensen E, Cady R, Jacob A, Ouellette Y, Podgorski H, Schiltz B, Schwantes S, Wheeler W. Home Health Care Availability and Discharge Delays in Children with Medical Complexity. *Pediatrics*, 2019; 143(1):e20181951.

Christensen EW, Spaulding AB, Pomputius WF, Grapentine SP. Effects of Hospital Practice Patterns for Antibiotic Administration for Pneumonia on Hospital Length of Stay and Cost, *Journal of the Pediatric Infectious Diseases Society*, 2019; 8(2):115-121.

Bergmann K, Reardon R, Flores G, Whitcomb V, Christensen E, Watson D, Kharbanda A. Trends in Medical Claims and Utilization of Limited Ultrasound Among Emergency Physicians and Radiologists within a Large Health Plan Provider. *Journal of Ultrasound in Medicine*, 2019; 38(5):1279-1286.

Kharbanda AB, Christensen EW, Dudley NC, Bajaj L, Stevenson MD, Macias CG, Mittal MK, Bachur RG, Bennett JE, Sinclair K, McMichael B, Dayan PS. Economic Analysis of Diagnostic Imaging in Pediatric Patients with Suspected Appendicitis, *Academic Emergency Medicine*, 2018; 25(7):785-794.

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Christensen EW, Kharbanda AB, Vander Velden H, Payne NR. Predicting Frequent Emergency Department Use by Pediatric Medicaid Patients. *Population Health Management*, 2017;20(3):208-215.

Christensen E, VanHazinga P, Solnitzky E. Learning in a pediatric Medicaid ACO. *Children's Hospitals Today*, Summer 2016:6.

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Christensen EW, Payne NR. Effect of Attribution Length on the Use and Cost of Health Care for a Pediatric Medicaid Accountable Care Organization. *JAMA Pediatrics*, February 2016;170(2):148-154.

Borsky A, George S, Pikulin L, Leshko L, Baxi N, Christensen E, Dorrance K. Implementing a Results-Only Work Environment in a Patient-Centered Medical Home. *Society of General Internal Medicine Forum*. 2013;37(2):1-2.

Christensen EW, Clinton YC. Demographics and Burden on Caregivers of Seriously Wounded, Ill, and Injured Service Members. *Journal of Disability Policy Studies*. March 2013;23(4):235-244.

Christensen EW, Dorrance KA, Ramchandani S, Lynch S, Whitmore CC, Borsky AE, Kimsey LG, Pikulin LM, Bickett TA. Impact of a Patient-Centered Medical Home on Access, Quality, and Cost. *Military Medicine*. February 2013;178(2):135-141.

Christensen EW, Arnould RJ. The Impact of Asymmetric Information and Ownership on Nursing Home Access. *International Journal of Health Care Finance and Economics*. September 2005;5(3):273-297.

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Christensen EW. *Accounting for Age Earnings Profiles in Net Discount Rates. Journal of Forensic Economics*. Fall 1999;12(3):185-199.

Christensen E, Levy R, Schaefer E. *Joint VA/DOD Market Sharing and Acquisition: Methodology and Opportunities*, January 2015 (DRM-2014-U-007704)

Pikulin L, Christensen E, Schaefer E. *Quality of Care for Patients with Chronic Conditions in Medical Home Port*, September 2014 (DRM-2014-U-008411)

Christensen E, Lindly J. *Initiatives to Increase Utilization and Improve Efficiency: Naval Hospital Jacksonville*, July 2014 (DRM- 2014-U-007787)

Tsang W, Christensen E. *Right of First Refusal (ROFR) Process in MHS Physician Referral Management Recommendations to increase ROFR efficiency*, September 2014 (DRM-2014-U-007927)

Borsky A, Pikulin L, Cheng A, Christensen E. *Improving Health Outcomes, Utilization and Costs with Navy Medicine's Medical Home Port Program*, September 2013, DRM-2013-U-005124

Schaefer E, Mathieu R, Christensen E. *Costs of Active Duty and Civilian Personnel for Selected Health Occupations in the Navy*, September 2013, DRM-2013-U-005551

Christensen E, Carta C, Netzer P. *Operational Medical Officer Conversions*, August 2013, DRM-2013-U-005137

Pikulin L, Christensen E, Lindly J. *FY12 Medical Home Port Evaluation*, September 2012, DRM-2012-U-001777

Wilburn R, Schaefer E, Aragam N, Christensen E. *Final Evaluation of Individual Claimant Checklist Pilot Program*, May 2012, D002670.A2

Gritz M, Christensen E, Wilburn R, Mathieu R. *Assessment of Veteran Policy Analysis*, January 2012, 15371

Christensen E, Marr L, Kimsey L, Bickett T. *Impact of the Walter Reed National Military Medical Center Medical Home on Utilization and Costs*, September 2011, D0025490.A2

Fachner G, Stewart J, Christensen E. *The Impact of East Haven Police Department's Vehicle Stops on the Latino Community*, September 2011, 14236

Wilburn R, Schaefer E, Aragam N, Christensen E. *Second Interim Evaluation of Individual Claimant Checklist Pilot Program*, September 2011, D0025567.A2

Whitmore C, Borsky A, Christensen E, Kimsey L, Aragam N. *Evaluation of Patient Satisfaction at the National Naval Medical Center Medical Home*, July 2011, D0024872.A2

Borsky A, Kimsey L, Christensen E. *Evaluation of the Results-Only Work Environment Pilot at the National Naval Medical Center Medical Home*, June 2011, D0025269.A1

Whitmore C, Borsky A, Christensen E. *Evaluation of Staff Satisfaction at the National Naval Medical Center Medical Home*, May 2011, D0025207.A2

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Schaefer E, Marr L, Christensen E, Clinton Y. *An Overview of Navy Graduate Medical Education for Physicians*, January 2011, D0024107.A2

Christensen E, Kimsey L, Netzer P, Bickett T, Cheng A. *Initial Evaluation of the National Naval Medical Center Patient-Centered Medical Home*, September 2010, D0023271.A2

Schaefer E, McMahon J, Christensen E. *Fully Developed Claims Pilot Program Final Report*, May 2010, D0022698.A2

Schaefer E, LaBonte C, Reynolds R, Haglund E, McMahon J, Christensen E. *Qualitative Analysis of VBA Employee Work Credit and Work Management Systems*, September 2009, D0020935.A2

McMahon J, Christensen E, Schaefer E, Davis S, LaBonte C, Reynolds R. *First Interim Evaluation of Individual Claimant Checklist Pilot Program*, August 2009, D0020938.A2

McMahon J, Christensen E, Schaefer E, Davis S, LaBonte C, Reynolds R. *Interim Evaluation of Fully Developed Claims Pilot Program*, August 2009, D0020937.A2

Russell S, Christensen E, Patel P, Marr L. *Pregnancy Timing in the Navy: A Focus Group Analysis*, August 2009, D0021050.A1

Christensen E, Hill C, Netzer P, Farr D, Schaefer E, McMahon J. *Economic Impact on Caregivers of the Seriously Wounded, Ill, and Injured*, April 2009, D0019966.A2

Christensen E, Netzer P, Hill C, Davis S, Farr D. *Economic Impact on Caregivers of the Seriously Wounded, Ill, and Injured: Preliminary Results*, September 2008, D0018572.A2

Christensen E, Tao B, Koopman M, Farr D, Hill C, LaBonte C. *Utilization, Integration, Attrition, Accession, and Cost of Medical Reserves*, August 2008, D0018415.A2

Christensen E, Asamoah S, Grefer J, Gray B, Schaefer E. *Recruiting and Manning Issues for Health Care Professionals*, September 2007, CRM D0016562.A2

Brannman S, Byrne L, Asamoah S, Uzoukwu N, Christensen E. *Military Medical Executive Education Review*, September 2007, CRM D0016545.A2

Christensen E, McMahon J, Schaefer E, Jaditz T, Harris D. *Final Report for the Veterans' Disability Benefits Commission: Compensation, Survey Results and Selected Topics*, August 2007, D0016570.A4

Farr D, Christensen E, LaBonte C, Brannman S. *A Feasibility Analysis: Outsourcing Navy OCONUS Medical Billets*, May 2007, D0015900.A2

Jaditz T, Berens R, Christensen E. *Results on Employment, Income, and Mortality for IU Veterans*, March 2007, 12184

Schaefer E, Christensen E. *Lump Sum Alternatives to Current Veterans' Disability Compensation*, August 2006, D0014443.A2

Christensen E, Farr D. *Medical Selected Reserve Mobilization Policy*, May 2006, D0014324.A1

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Christensen E, Farr D, Grefer J, Schaefer E. *Cost Implications of a Unified Medical Command*, May 2006, D0013842.A3

Christensen E, McMahon J. *Impact of Law Enforcement Activities on Cocaine Availability: Atlanta, Chicago, and Dallas*, April 2006, 11781

Alper O, Belcher S, Boning W, Bowes M, Christensen E, Kelly D, Nickel R, Sperling R. *DON BRAC 2005: CNA Analysts Observations*, March 2006, D0013933.A1

Levy R, Christensen E, Asamoah S. *Raising the Bonus and Prospects for DOD's Attracting Fully Trained Medical Personnel*, February 2006, D0013237.A2

McMahon J, Christensen E. *Model to Determine the Impact of Law Enforcement Activities on Cocaine Availability*, January 2006, 11690

Alper O, Belcher S, Boning W, Bowes M, Christensen E, Crossen J, Kelly D, Mikolic-Torreira I, Nickel R, Rose S, Sperling R. *BRAC 2005: Analysis Handbook, December 2005*, D0013331.A1

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Levy R, Tsui F, Christensen E. *Projecting DOD Costs for Skilled Nursing Facilities under the TRICARE for Life Program*, July 2003, D0008761.A1

Levy R, Almendarez M, Christensen E, Zielger S. *Clinic Management, Productivity, and Cost: Results from Selected Navy Clinics*, July 2003, D0008248.A2

Brannman S, Christensen E, Nickel R, Rattelman C, Miller R. *Life-Cycle Costs of Selected Uniformed Health Professions (Phase II: The Impact of Constraints and Policies on the Optimal-Mix-of-Accession Model)*, April 2003, CRM D0007887.A2

Christensen E, Brannman S, Sanders J, Rattelman C, Miller R. *Life-Cycle Costs of Selected Uniformed Health Professions (Phase I: Cost Model Methodology)*, April 2003, D0006686.A3

Golding H, Christensen E, Lien D. *Transforming the Assignment System: Will Incentives Reduce Critical Shortages?* October 2002, D0007147.A1

Christensen E, Golding H. *Hard-to-Fill Billets, Individual Assignment Preferences, and Continuation*, July 2002, D0006179.A2

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Levy R, Christensen E, Almendarez M, Miller R. *The MHS Optimization Project: Estimating the Potential for Recapturing CHAMPUS Workload in the MHS*, September 2001, D0004698.A1

Levy R, Almendarez M, Christensen E, Field J, Patarino M, Zielger S. *Region 11 Health Care and Administrative Costs*, September 2001, D0004631.A2

Presentations

Presented “Current Trends in Radiologic NPP Practice and Economics” at the 2025 Radiological Society of North America Annual Meeting, Chicago, IL, 3 December 2025

Presented with Alexandra R. Drake, Stella K. Kang, Elizabeth Y. Rula, and Andrew B. Rosenkrantz “Repeat Imaging Rates for Office-Based Imaging Studies Interpreted by Non-Physician Practitioners (NPPs) Compared With Radiologists” at the 2025 Radiological Society of North America Annual Meeting, Chicago, IL, 2 December 2025

Presented with Jay R. Parikh, Alexandra R. Drake, Eric M. Rubin, and Elizabeth Y Rula “Projected Radiologist Workforce Supply, 2025-2055” at the 2024 Radiological Society of North America Annual Meeting, Chicago, IL, 3 December 2024

Poster presentation with Alexandra R. Drake, Jay R. Parikh, Eric M. Rubin, and Elizabeth Y Rula “Projected Imaging Demand, 2025-2055” at the 2024 Radiological Society of North America Annual Meeting, Chicago, IL, 3 December 2024

Poster presentation with Robert B. Rosenblatt, Anika G Patel, Elizabeth Y Rula, Ruth C. Carlos, Anand K. Narayan, and Bhavika K. Patel “Distance to Accredited Breast MR Facilities Compared with Mammography and Ultrasound Facilities” at the 2024 Radiological Society of North America Annual Meeting, Chicago, IL, 3 December 2024

Presented with Pina C. Sanelli, Elizabeth Y. Rula, Kevin J. Chang, Courtney C. Moreno, David H. Bruining, and Judy Yee “Income, Racial/Ethnic, and Urbanicity Differences for Screening CT Colonography Use Among Medicare Beneficiaries” at the 2023 Radiological Society of North America Annual Meeting, Chicago, IL, 30 November 2023

Presented “Health Policy Research” at the 2023 Association of University Radiologists Annual Meeting, Austin, TX, 28 April 2023

Presented with Casey E. Pelzl, Bhavika K. Patel, Ruth C. Carlos, and Elizabeth Y. Rula “Disparities in Mammography Patterns Among American Indian Women, 2005-2019: Influence of Urbanicity and Income” at the 2023 Association of University Radiologists Annual Meeting, Austin, TX, 27 April 2023

Presented with Julie Bolson “Emergency Preparedness Education—Does it Make Cents?” at the 2019 Association of Healthcare Emergency Preparedness Professionals Annual Conference, Orlando, FL, 6 November 2019

Presented “Evidence of Wage Recovery Following Worker Displacement” at the 2018 South Dakota Defense Lawyers Association Annual Seminar, Sioux Falls, SD, 9 November 2018

Presented “An Economic Perspective on Applying Value of Statistical Life Estimates in Litigation” at the Las Vegas Defense Lawyers Association Seminar, Las Vegas, NV, 8 November 2018

Eric W. Christensen, PhD

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Presented “Evidence of Wage Recovery Following Worker Displacement” at the North Dakota Defense Lawyers Association Annual Meeting and Fall Seminar, Bismarck, ND, 21 September 2018

Presented “Should the net discount rate vary by the worker’s age, education level, and gender?” at the American Rehabilitation Economics Association Annual Conference, Austin, TX, 22 June 2018

Presented with Michael D. Finch “Does the presence of a children’s hospital in a market reduce the market’s in-hospital mortality rate?” at the Minnesota Health Services Research Conference, St. Paul, MN, 7 March 2017

Presented with Roy Maynard “Do labor market conditions affect the length of stay for chronic respiratory failure hospitalizations?” at the Minnesota Health Services Research Conference, St. Paul, MN, 7 March 2017

Presented with Michael D. Finch “Impact of Children’s Hospitals on Market Mortality” at the Children’s Hospital Association Pediatric Analytics Conference, Kansas City, MO, 27 October 2016

Presented with Anupam B. Kharbanda, Heidi Vander Velden, and Nathaniel R. Payne “Predicting Frequent ED Use for Pediatric Medicaid Patients” at the Pediatric Academic Societies Meeting in Baltimore, MD, 2 May 2016

Poster presentation with Nathaniel R. Payne “Reducing Pediatric Readmissions in an Accountable Care Organization” at the Pediatric Academic Societies Meeting in Baltimore, MD, 1 May 2016

Presented with Nathaniel R. Payne “Effect of Attribution Length on the Use and Cost of Health Care for a Pediatric Medicaid ACO” at the Pediatric Academic Societies Meeting in Baltimore, MD, 30 April 2016

Presented with Eric G. Solnitzky and Pamala J. VanHazinga “Population Health: What Have We Learned?” at Grand Rounds, Children’s Hospitals and Clinics of Minnesota, Minneapolis, MN, 11 February 2016

Presented with Nathaniel R. Payne “Readmissions—Can They Be Reduced?” at the Pediatric Quality and Patient Safety Conference: Collaborating to Make Pediatric Health Care Safer in Minnesota, Minneapolis, MN, 18 December 2015

Presented “Impact of Patient Attribution Length on Utilization and Costs for a Medicaid ACO” at the 2015 Pediatric Analytics Conference, Kansas City, MO, 25 September 2015

Presented “An Evaluation of Navy Medicine’s Patient-Centered Medical Home Model for Primary Care” at the Western Economic Association International Eighty-ninth Annual Conference, Denver, CO, 29 June 2014

Poster presentation, “Evaluating Patient Satisfaction at a U.S. Navy Patient-Centered Medical Home”, at the 2012 Academy Health Annual Research Meeting, Orlando, FL, 24 June 2012

Presented “Patient-centered Medical Home (PCMH)/Medical Home Port (MHP) Evaluation” at the 2012 Navy Medicine Audit Readiness Training Symposium, Lansdowne, VA, 6 June 2012

Presented “Economic Stress on Families of Injured Warriors” at the Workshop on the Scientific Study of Military Children, Washington, DC, 17 November 2011

Eric W. Christensen, PhD

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Testimony before the Committee on Veterans' Affairs, Subcommittee on Disability Assistance and Memorial Affairs, United States House of Representatives, Quality vs. Quantity: Examining the Veterans Benefits Administration's Employee Work Credit and Management Systems, Washington, DC, 6 May 2010

Panelist at the 2009 Defense Forum Washington "Coping with Unseen Injuries: From the Battlefield to the Homefront" co-sponsored by the U.S. Naval Institute and the Military Officers Association of America, Alexandria, VA, 16 September 2009

Presented "Utilization, Attrition, Accession, and Cost of Medical Reserves" at the Western Economic Association International Eighty-fourth Annual Conference, Vancouver, BC, 2 July 2009

Testimony before the Committee on Veterans' Affairs, United States Senate regarding Veterans' Disability Benefits Compensation and Quality of Life, with Joyce McMahon, Washington, DC, 27 February 2008

Presented "Unified Medical Command Study" to the DOD Task Force on the Future of Military Health Care, Washington, DC, September 2007

Provided monthly testimony regarding the "Disabled Veterans Compensation and Quality of life Study" to the Veterans' Disability Benefits Commission, Washington, DC, June 2006-August 2007

Presented "Economic Impact of Hospitals on Communities" at the Colorado Health and Hospital Association Conference, Vail, CO, September 2004

Presented "How Does DOD Determine a Reasonable Active Duty Obligation?" at the Fourth Annual Navy Workforce Research and Analysis Conference, Arlington, VA, March 2004

Presented "Life-Cycle Costs of Selected Uniform Health Professions Study" at the Third Annual Navy Workforce Research and Analysis Conference, Alexandria, VA, April 2003

Referee

AIMS Public Health

AME Medical Journal

American Journal of Accountable Care

American Journal of Diagnostic Imaging

American Journal of Managed Care

BMC Health Services Research

BMC Infectious Diseases

BMC Medical Education

BMC Public Health

BMJ Open

Cancer Epidemiology

Clinical Interventions in Aging

Drug, Healthcare and Patient Safety

Environment and Social Psychology

European Journal of Medical Research

Exploratory Research in Clinical and Social Pharmacy

Forum for Economic and Financial Studies

Frontiers in Neurology

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Frontiers in Oncology
Frontiers in Pharmacology
Frontiers in Public Health
Healthcare
Health Economics
Health Services Insights
INQUIRY: The Journal of Health Care Organization, Provision, and Financing
Interactive Journal of Medical Research
International Journal for Quality in Health Care
International Journal of Emergency Medicine
International Journal of Nursing Studies
iRADIOLOGY
JAMA Health Forum
JAMA Pediatrics
Journal of Cancer Policy
Journal of Digital Health
Journal of Forensic Economics
Journal of Legal Economics
Journal of Medical Artificial Intelligence
Journal of NeuroInterventional Surgery
Journal of Pediatrics
Journal of Stroke and Cerebrovascular Diseases
Journal of the American College of Radiology (Assistant Editor, 2025-present)
Military Medical Research
Military Medicine
Patient Preference and Adherence
Pediatrics
Quantitative Imaging in Medicine and Surgery
Quarterly Review of Economics and Finance
Research in Social and Administrative Pharmacy
SAGE Open Medicine
Social Science & Medicine
Stroke and Vascular Neurology
The Aging Male
The Earnings Analyst
The Lancet Regional Health – Southeast Asia
The Open Pediatric Medicine Journal
The Open Psychology Journal
Value in Health
Value in Health Regional Issues