

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, American College of Radiology, Reston, VA

Director of Economics and Health Services Research

2022-present

Principal Research Scientist in Health Economics

2021-2022

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

Adjunct Professor, Health Services Management

2017-present

- Applied Health Economics
- Health Economics and Policy

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

Economic Consultant

2017-present

- Litigation consulting
- Health economic consulting

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, Waid M, Scott J, Patel BK, Bello JA, Rula EY. The Relationship between Race and Access to Newer Mammographic Technology in Women with Medicare Insurance. *Radiology*, 2022.

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Christensen EW. Personal Consumption and Personal Maintenance Estimates Using Empirically Based Expenditure Allocation Rules. *Journal of Legal Economics*, 2022; 28(1).

Duszak R, Hemingway J, Christensen EW, Saindane AM, Hughes DR, Rula EY. An Empiric Medicare Claims-Based Utilization Approach to Mitigating the Iodinated Contrast Shortage. *Journal of the American College of Radiology*, 2022.

Wang JJ, Pelzl CE, Boltyenkov A, Katz JM, Hemingway J, Christensen EW, Rula E, Sanelli PC. Updated Trends, Disparities, and Clinical Impact of Neuroimaging Utilization in Ischemic Stroke in the Medicare Population: 2012-2019. *Journal of the American College of Radiology*, 2022; 19(7): 854-865.

Christensen EW. Personal Consumption of Household Services. *Journal of Forensic Economics*, 2022; 30(1).

McMichael BS, Nickel AJ, Christensen EW, Frenn KA, Truong WH, Laine JC, Kharbanda AB. Discriminative Accuracy of Procalcitonin and Traditional Biomarkers in Pediatric Acute Musculoskeletal Infection. *Pediatric Emergency Care*, 2021; 37(12): e1220-e1226.

Bergmann KR, Abuzzahab MJ, Nowak J, Arms J, Cutler G, Christensen E, Finch M, Kharbanda A. Resuscitation with Ringer's Lactate Compared to Normal Saline for Pediatric Diabetic Ketoacidosis. *Pediatric Emergency Care*, 2021; 37(5): e236-e242.

Christensen EW. Educational Attainment Model for Children: Differential Impact of Parents' Education Level for Children Who Lived with Both Parents or Not. *Journal of Forensic Economics*, 2020; 29(1): 69-90.

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Muesing C, Schimelpfenig B, Hustvet D, Maynard R, Christensen EW. Longitudinal Prevalence of Tracheostomized Children in Minnesota. *Hospital Pediatrics*, 2020; 10(8): 663-669.

Bergmann KR, Abuzzahab MJ, Arms J, Cutler GJ, Vander Velden H, Simper T, Christensen EW, Watson D, Kharbanda A. A Quality Improvement Initiative to Reduce Hospitalizations for Low Risk Diabetic Ketoacidosis. *Pediatrics*, 2020; 145(3): 1-8.

Christensen EW. Stationarity of Net Discount Rates: Review of the Literature and New Evidence. *Journal of Legal Economics*, 2019; 25(1-2): 29-51.

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.

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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.

Christensen EW, Maynard RC. Do Changing Labor Market Conditions Affect the Length of Stay for Chronic Respiratory Failure Hospitalizations? *Home Health Care Management & Practice*, 2017; 29(4):235-241.

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.

Christensen EW, Payne NR. Pediatric Inpatient Readmissions in an Accountable Care Organization. *Journal of Pediatrics*, March 2016;170:113-119.

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)

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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

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

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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

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

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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

Christensen E, Brannman S, Rattelman C. *Impact of Increasing Obligated Service for Graduate Medical Education*, December 2003, D0009236.A2

Christensen E, Brannman S, Rattelman C, LeFavour J. *Impact of Increasing Obligated Service for Physician Scholarships*, October 2003, D0008900.A2

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

Brannman S, Miller R, Kimble T, Christensen E. *Health Professions' Retention-Accession Incentives Study Report to Congress (Phases II & III: Adequacy of Special Pays and Bonuses for Medical Officers and Selected Other Health Care Professionals)*, March 2002, D0004460.A5

Christensen E, Brannman S, Almendarez M, Sanders J, Kimble T. *Navy Specialty Physician Study: Historical Overview, Retention Analysis, and Synopsis of Current Civilian-Sector Practices*, January 2002, D0004916.A2

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 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

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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

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

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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

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

American Journal of Accountable Care

American Journal of Managed Care

BMC Health Services Research

BMJ Open

Clinical Interventions in Aging

Drug, Healthcare and Patient Safety

European Journal of Medical Research

Exploratory Research in Clinical and Social Pharmacy

Health Economics

Health Services Insights

International Journal for Quality in Health Care

International Journal of Nursing Studies

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JAMA Pediatrics

Journal of Forensic Economics

Journal of Legal Economics

Journal of Pediatrics

Journal of the American College of Radiology

Military Medicine

Patient Preference and Adherence

Pediatrics

Research in Social and Administrative Pharmacy

Social Science & Medicine

The Aging Male

The Open Pediatric Medicine Journal

The Open Psychology Journal

Quarterly Review of Economics and Finance

Value in Health

Value in Health Regional Studies