

CHRISTINE GOERTZ, DC, PhD

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EXPERTISE: HEALTH SERVICES RESEARCH, HEALTH POLICY AND EXECUTIVE ADMINISTRATION/NON-PHARMACOLOGICAL APPROACHES FOR PAIN MANAGEMENT

EDUCATION

- 1999** **Ph.D. – Health Services Research, Policy and Administration**
Minor - Epidemiology
University of Minnesota, School of Public Health, Minneapolis, MN
- 1991** **Doctor of Chiropractic (DC)**
Northwestern Health Sciences University, Minneapolis, MN
- 1991** **Bachelor of Science – Human Biology**
Northwestern Health Sciences University, Minneapolis, MN

CERTIFICATIONS AND TRAINING

- 1998 - 99** Agency for Health Care Quality and Research Post-Doctorate Fellowship– T32 (funded through the Office of Alternative Medicine at the National Institutes of Health)
University of Minnesota, School of Public Health, Minneapolis, MN
- 1994 - 95** Agency for Health Care Quality and Research Post-Doctorate Fellowship– T32
University of Minnesota, School of Public Health, Minneapolis, MN
- 1992 - 94** Foundation for Chiropractic Education and Research Post-Doctorate Fellowship
- 1991** Certificate to Practice Acupuncture
Northwestern Health Sciences University, Minneapolis, MN

PROFESSIONAL EXPERIENCE

- 2018 - present** **ADJUNCT ASSOCIATE**
Department of Orthopaedic Surgery, Duke University Medical Center Duke University,
Durham, NC
- 2018 - present** **ADJUNCT Professor**
Department of Epidemiology, College of Public Health, University of Iowa

- 2016 - present** **CHIEF EXECUTIVE OFFICER**
The Spine Institute for Quality (Spine IQ), Oskaloosa, IA
- 2008 - 2018** **VICE CHANCELLOR, RESEARCH AND HEALTH POLICY**
Palmer College of Chiropractic, Davenport, IA
- 2015 - present** **WORKER WITHOUT COMPENSATION**
Iowa City Veterans Health Administration (Research)
- 2007 - 08** **EXECUTIVE DIRECTOR**
Palmer Center for Chiropractic Research, Davenport, IA
- 2005 - 06** **DEPUTY DIRECTOR**
Samueli Institute, Alexandria, VA
- 2003 - 05** **DIRECTOR – CLINICAL RESEARCH**
Samueli Institute, Alexandria, VA
- 2004 - 08** **ADJUNCT ASSISTANT PROFESSOR – PREVENTIVE MEDICINE AND BIostatISTICS**
Uniformed Services University of the Health Sciences, Bethesda, MD
- 2003 - present** **CONSULTANT on TACT TRIAL**
Mount Sinai Medical Center, Miami FL
- 2003 - 06** **CONSULTANT**
National Center for Complementary and Alternative Medicine, Bethesda, MD
- 2000 - 03** **HEALTH SCIENCES ADMINISTRATOR / PROGRAM OFFICIAL**
National Center for Complementary and Alternative Medicine
National Institutes of Health, Bethesda, MD
- 1999 - 2000** **CONSULTANT**
University of California, San Diego School of Medicine, Division of Family Practice,
San Diego, CA
- 1998 - present** **SENIOR SCIENTIFIC ADVISOR**
American Chiropractic Association, Arlington, VA
- 1998 - 99** **CONSULTANT**
Birch and Davis, Inc. – Department of Defense Chiropractic Health Care Demonstration Project
Silver Spring, MD
- 1996 - 97** **VICE PRESIDENT OF RESEARCH, POLICY AND INFORMATION SERVICES**
American Chiropractic Association, Arlington, VA
- 1991 - 93** **PART-TIME CHIROPRACTIC PRACTICE**
Center for Clinical Studies, Northwestern College of Chiropractic, Bloomington, MN

1991 - 93 **CLINICAL RESEARCH FELLOW / ASSISTANT PROFESSOR**
Northwestern College of Chiropractic, Bloomington, MN

ADDITIONAL PROFESSIONAL SERVICES AND EXPERTISE

2018 - present Vice Chair, Patient Centered Outcomes Research Institute
2018 Reviewer, JAMA Network Open
2017 - present Member, PCORI Review Committee for Rapid Cycle Research & Projects using PCORNet
2017 Member, National Chiropractic Leadership Conference 2018 Planning Committee
2016 - present Member, Editorial Board, Chiropractic & Manual Therapies
2016 Member, Measure Testing Protocol Work Group, American Medical Association-Relative Value Update Committee
2016 Reviewer, VA Complementary & Integrative Approaches to Management of Musculoskeletal Pain Expert Planning Meeting
2016 - present Member, Finance and Administration Committee, Patient Centered Outcomes Research Institute
2016 - present Member, Research Transformation Committee, Patient Centered Outcomes Research Institute
2016 Member, Annual Meeting Planning Committee, Patient Centered Outcomes Research Institute
2016 - 17 Member, Quad City Health Initiative Project Committee
2015 - 17 Board Member, Quad City Health Initiative
2015 Member, NIH/NCCIH Council Group on Workforce Development
2015 Member, NIH Health Care Systems Research Collaboratory External Advisory Panel
2015 - 2018 Member, NIH/NCCIH National Advisory Council
2014 - present Chair, Selection Committee, Patient Centered Outcomes Research Institute
2014 Member, Documentation Manual Workgroup, American Chiropractic Association
2014 - 16 Chair, Science Oversight Committee, Patient Centered Outcomes Research Institute
2013 - 16 Member, PCPI Measures Advisory Committee, American Medical Association
2013 - present Vice Chair, Research Council, World Federation of Chiropractic
2013 Member, NIH Behavioral Medicine: Interventions & Outcomes Study Section Committee
2013 - 14 Chair, Program Development Committee, Patient Centered Outcomes Research Institute (PCORI)
2012 - 14 Member, NIH Task Force on Chronic Low Back Pain
2012 Chair, ACA, Common Procedural Terminology Survey Taskforce
2012 - 14 Member, Steering Committee, United Way Women's Leadership Council of the Quad Cities
2011 Charter Member, United Way Women's Leadership Council of the Quad Cities
2010 - present Member, Board of Governors, Patient-Centered Outcomes Research Institute (PCORI)
2010 Reviewer, NCCAM Partnerships for CAM Clinical Translational Research Review Meeting
2010 - 15 Chair, Medicare Demonstration Project Taskforce, American Chiropractic Association
2009 - 12 Member, American Medical Association, Measures Implementation and Evaluation Advisory Committee, Physician Consortium for Performance Improvement (PCPI)
2010 Reviewer, Agency for Healthcare Research and Quality (AHRQ), Report on Complementary and Alternative Therapies for Back Pain II
2010 Member, NIH/NCCAM Special Emphasis Panel; Partnership for Complementary Alternative Medicine Clinical Translational Research applications
2010 - present Chair, Quality Insights of Pennsylvania Technical Expert Panel, #182 Functional Outcome Assessment
2010 - present Member, Quality Insights of Pennsylvania Technical Expert Panel, #131 Pain Assessment

2010 - 13 Member, Quality Insights of Pennsylvania Technical Expert Panel, #124 Health Information Technology: Adoption/Use of Electronic Health Record

2009 - 10 Contributor, Dynamic Chiropractic (Health Policy)

2009 Chair, Special Emphasis Panel, NIH – ARRA P30 Faculty Development Grants

2008 - present Chair, Committee on Quality Assurance and Accountability, American Chiropractic Assn.

2008 Chair, DOD Review Group for Complementary and Alternative Medicine

2007 - 08 Co-Chair, American Chiropractic Association Performance Measurement Task Force

2007 - 09 Co-Chair, Research Working Group of the Academic Consortium for Complementary and Alternative Health Care

2007 - 10 Advisory Committee Member, Bastyr University Naturopathic Research Education Project

2007 - 2017 Representative, American Chiropractic Association, Health Professionals Council, National Quality Forum

2007 Chair, Physicians Office Quality Measures Project; Chiropractic Expert Work Group

2007 Member, Physician Office Quality Measures Project; Physicians Measures Expert Work Group

2006 - 07 Vice-Chair, Operations Subcommittee, Action Board, APHA

2004 - 07 Member, Action Board, American Public Health Association (APHA)

2005 - 10 International Advisory Board, Complementary Therapies in Clinical Practice

2004 - 2017 Editorial Board, Journal of Manipulative and Physiological Therapeutics

2004 - 16 Alternate, ACA Representative to the AMA RUC HCPAC

2003 – 2005 Editorial Review Board, Journal of Cancer Integrative Medicine

2003 President, Board, Bethesda Chapter, Association for Women in Science

2003 - 08 Ad Hoc Reviewer, Study Section 3 of the Risk, Prevention, and Health Behavior Integrated Review Group

2001 - 03 Executive Secretary, NCCAM Trans-agency CAM Coordinating Committee

2001 - 03 NCCAM Representative, NIH Chronic Fatigue Syndrome Working Group

2000 - 03 NCCAM Representative, Project Officer/Program Officer Forum (POPOF)

2000 - 03 NCCAM Representative, NIH Coordinating Committee on Women’s Health

2001 - 02 Past-Chair, Chiropractic Health Section, American Public Health Association

2000 - 01 Chair, Chiropractic Health Section, American Public Health Association

2000 - 06 Board, Bethesda Chapter, Association for Women in Science

1999 Scientific Reviewer, NCCAM Special Emphasis Panel

1999 - 2000 Chair Elect, Chiropractic Health Section, American Public Health Association

1998 Interdisciplinary Workforce Panel, Medical College of Wisconsin

1997 - 2000 Member, Action Board, American Public Health Association

1996 - 97 HRSA Chiropractic Research Agenda Conference

1995 Chair, Minnesota Chiropractic Association Legislative Committee

1995 Student Representative to the Faculty, Institute for Health Services Research, University of Minnesota

1994 Minnesota Department of Health Task Force on a Universal Standard Benefit Set

1994 American Chiropractic Association Task Force on Primary Care

1994 Minnesota Medical Association Task Force on Guaranteed Benefits

1994 Minnesota Department of Health Provider Data Collection Work Group

1992 - 96 Provider Alternate, Minnesota Health Care Commission

1992 - 95 Chair, Minnesota Chiropractic Association National Health Care Committee

1989 - 96 Member, Minnesota Chiropractic Association Legislative Committee

HONORS AND AWARDS

- 2018 Commencement Speaker, Logan University
- 2018 Commencement Speaker, Parker University
- 2018 Convocation Speaker, Canadian Memorial Chiropractic College
- 2018 Commencement Speaker, Northwestern Health Sciences University
- 2017 Scott Haldeman Research Prize
- 2017 American Chiropractic Association George McAndrews Lecturer
- 2015 Dynamic Chiropractic Person of the Year
- 2013 Chiropractic Research Lincoln Prize Recipient
- 2012 American Chiropractic Association Chiropractor of the Year
- 2011 Fellow, Palmer Academy of Chiropractic
- 2011 Honorary Alumna, Palmer College of Chiropractic
- 2011 Iowa Chiropractic Society 2011 Outstanding Member
- 2010 Commencement Speaker, Palmer College of Chiropractic, Davenport Campus
- 2006 American Chiropractic Association George B. McClelland Researcher of the Year Award
- 2004 President's Award, American Chiropractic Association
- 2003 National Center for Complementary and Alternative Medicine Director's Award
- 2002 Fellow of the International College of Chiropractors
- 2002 Commencement Speaker, Northwestern Health Sciences University, College of Chiropractic
- 1994 President's Award, Minnesota Chiropractic Association
- 1991 Northwestern College of Chiropractic Student Leadership Award
- 1990 Minnesota Chiropractic Association Student Award

CURRENT RESEARCH GRANTS

Chiropractic Care for Veterans: A Pragmatic Randomized Trial Addressing Dose Effects for cLBP

Co-Principal Investigator

NCCIH/NIH

The goals of this multi-site, multi-disciplinary pragmatic randomized controlled trial are to evaluate the short-term pain and functional outcomes associated with varying numbers of initial visits and the long-term effectiveness of chiropractic care for patients with chronic low back pain within the context of real-world delivery in the Veterans Health Administration.

Funding amount: \$7,087,730

09/2017 – 08/2023

Collaborative Care for Veterans with Spine Pain and Mental Health Issues

Principal Investigator

NIH/NCCIH

The goals of this project are to develop an integrative care model that includes doctors of chiropractic in multidisciplinary teams treating patients in Veterans Health Administration (VHA) facilities; use a pain consensus building process to tailor existing chiropractic guidelines to interlink with current VHA pain management initiatives; and conduct a pilot clinical trial to test this model.

Funding amount: \$718,241

09/14 – 06/19

Assessment of Chiropractic Treatment for Low Back Pain, Military Readiness and Smoking in the Department of Defense

Co-Principal Investigator

DoD RAND Subcontract

The goal of this series of studies is to conduct clinical trials that assess chiropractic treatment on service member groups of the Armed Forces.

Funding amount: \$7,499,707 (Palmer Sub-award amount: \$5,141,272)

02/11 – 02/19

COMPLETED RESEARCH GRANTS

Chiropractic Care in Rehabilitation at Crotched Mountain: A Pilot Initiative of the Patient-Centered Integrated Health Program

Co-Investigator and procurer of funding

Kiernan Foundation

The primary goals of this project were to add chiropractic care to the multi-disciplinary care model at Crotched Mountain Specialty Hospital in Greenfield NH and to provide evidence that will help future care teams improve meaningful clinical outcomes for individuals with brain and spinal cord injury.

Funding amount: \$1,000,000

01/15 – 12/17

Private Sector Integrated Chiropractic Study

Principal Investigator

NCMIC Foundation

Chiropractic services are included in various US private medical settings ranging from large healthcare systems to smaller care delivery sites. A better understanding of the existing models and characteristics of chiropractic practice in private medical settings is a key precursor toward overall quality improvement. The goal of this research study was to describe and assess the delivery of chiropractic services in a group of private healthcare facilities using a qualitative case study approach.

Funding amount: \$99,652

11/14 – 12/17

Developmental Center for Clinical and Translational Science in Chiropractic, Developmental Center for Research in CAM

Principal Investigator

NCCAM/NIH

This goal of this Center was to build expertise in clinical research and serves as the focal point to strengthen and enhance established and evolving relationships between Palmer College of Chiropractic and research-intensive institutions and thereby facilitate 3 synergistic and novel research projects.

Funding Amount: \$2,752,270

2008-2015

Chiropractic Demonstration Projects: Co-Management of Older Adults with Low Back Pain by Medical Physicians and Doctors of Chiropractic

Principal Investigator

HRSA

The long term goal of this study was to enhance human health by improving quality of care through the use of a team-based approach to health care delivery for sub-acute and chronic low back pain in older adults.

Funding Amount: \$1,348,204

2009-2014

Developmental Center to Study Mechanisms and Effects of Chiropractic Manipulation (DCRC II)

Project #3: Effects of Spinal Manipulation on Sensorimotor Functions in Back Pain Patients.

Co-Leader of Project 3; Co-Investigator of Administrative Core

NCCAM/NIH

The goal of Project 3 was to study the effects of two forms of manipulation on three types of sensorimotor abilities in patients with low back pain.

Funding Amount: \$3,888,202

2007-2014

Expanding Evidence Based Medicine and Research across the Palmer College of Chiropractic

Co-Principal Investigator

NCCAM/NIH

The primary aim of this study was to expand the use of evidence based medicine in the curriculum at Palmer College of Chiropractic.

Funding Amount: \$543,736

2007-2012

Trial to Assess Chelation Therapy (NIH Cooperative Agreement)

NIH Program Official; Co-Investigator

NCCAM/NIH

The major goal of this multi-site Phase III randomized clinical trial was to explore the efficacy and safety of EDTA chelation therapy for the treatment of coronary artery disease.

Funding Amount: \$30,000,000

2001-2013

MILCAM - A Feasibility Study

Principal Investigator

Department of Defense through the Samueli Institute

This prospective, randomized, clinical trial compared manual/manipulative and standard care to standard care alone for episodes of low back pain.

Funding Amount: \$200,263

2007-2009

Practice Outcomes Development System

Principal Investigator

Department of Defense

The major goal of this project was the conduct scientifically rigorous prospective outcomes investigation of complementary and alternative medicine within the clinical practice setting.

Funding Amount: \$350,000

2003-2006

Acupuncture for the Treatment of PTSD in Trauma Survivors

Co-Investigator

The purpose of this project was to conduct a randomized clinical trial feasibility study of acupuncture for post-traumatic stress disorder and physical injuries.

Funding Amount: \$300,000

2004-2006

Outcomes and Cost Assessment of Acupuncture in the Military

Principal Investigator

Department of Defense/Air Force

The major goal of this study was to assess acupuncture as a treatment for acute and chronic pain, and to perform an overall analysis of costs associated with providing acupuncture services to pain patients.

Role: Principal Investigator

Funding Amount: \$50,000

2005

Program for Research Supplements in Military Operations and Healthcare

Principal Investigator

Department of Defense

The goal of this program was to establish and administer the premier national research program on the safety, efficacy and mechanisms of nutritional and dietary supplement practices of potential importance to military operations and populations.

Funding Amount: \$4,137,587

2005-2006

Center for Research on Integrative Medicine in Military

Co-Principal Investigator

Department of Defense

The goal of Center was to develop a national program for evaluation and research on complementary, alternative and holistic medical practices (also called integrative medicine) for military personnel and veterans.

Funding Amount: \$2,972,000

2005-2006

FUNDRAISING

As Founder and CEO of the not-for-profit The Spine Institute for Quality, raised more than \$675,000 to support the Institute's efforts to define quality, demonstrate value and build trust in conservative spine care delivery.

COURSES TAUGHT

2004 - 2007	Introduction to Clinical Research, Master of Public Health, Preventive Medicine And Biostatistics, Uniformed Services University of the Health Sciences, Bethesda, MD (25%)
2007 – 2017	Introduction to Clinical Research Methods, Master in Clinical Science, Palmer College of Chiropractic, Davenport, IA (100%)
2012-2103	Scientific Presentation Skills, Master in Clinical Science, Palmer College of Chiropractic, Davenport, IA (50%)
2013-2015	Research Practicum II, Master in Clinical Science, Palmer College of Chiropractic, Davenport, IA (100%)
2013	Independent Study: Clinical Studies, Master in Clinical Science, Palmer College of Chiropractic, Davenport, IA (100%)

STUDENTS ADVISED

2009	Kris Anderson, DC, MS – Graduate Advisory Committee
2011	Julie Lorence (Kumar), DC, MS – Graduate Advisory Committee
2013	Barbara Mansholt, DC, MS – Graduate Advisory Committee
2014	Nicole Homb, DC, MS – Graduate Advisory Committee (Chair)
2016	Julie Hartman, DC, MS – Graduate Advisory Committee (Chair)

SELECTED LECTURES AND PRESENTATIONS

1. **Goertz C**, PCORI’s Investment in Nonpharmacological Approaches to Pain Management, National Academies of Sciences Workshop on The Role of Nonpharmacological Approaches to Pain Management, December 4-5, 2-18, Washington DC
2. **Goertz C**, Long C, Vining R, Pohlman K, Walter J, Coulter I, Controlled Trial Evaluating the Addition of Chiropractic Care to Medical Care for Patients with Low Back Pain, 2018 International Congress on Integrative Medicine and Health, May 8-11, 2018, Baltimore, MD
3. Lisi AJ, Bastian LA, Corcoran KL, DeRycke EC, **Goertz C**, Brandt CA. Receipt of an Opioid Prescription among Veterans of Recent Wars using Chiropractic Care. International Congress on Integrative Medicine and Health, May 8-11, 2018, Baltimore, MD. (Platform)
4. **Goertz C**, Chesney M, Edwards E, Shurtleff D, “Looking Back, Looking Forward: NCCIH at 20”, 2018 International Congress on Integrative Medicine and Health, May 8-11, 2018, Baltimore, MD
5. **Goertz C**, Knudsen T, Bussieres A. What is the Choosing Wisely Campaign and Why is it Important to Patients? ACC-RAC Conference, March 8-10, 2018, Dallas, TX. (Plenary Session)
6. Lisi A, Corcoran K, Bastian L, **Goertz C**, DeRyke E, Brandt C. Effect of an 8-week Physical Exercise Program on spinal Manipulation Biomechanical Parameters in a Group of First Year Chiropractic Students. ACC-RAC Conference, March 8-10, 2018, Dallas, TX. (Platform)
7. Salsbury S, Lisi A, Vining R, Wallace R, **Goertz C**. A Few more Chiropractic Doctors: A Qualitative Study of Stakeholder Perceptions of Access to Chiropractic Care in Veterans Affairs Healthcare Facilities. International Congress on Integrative Medicine & Health, May 8-11, 2018, Baltimore, MD. (Poster)
8. Wells B, Salsbury S, Lawrence D, Derby D, Nightingale L, **Goertz C**. Older Adults’ Perceptions of Doctor-patient Relationships in a Trial of Collaborative Care for Low Back Pain: A Qualitative Study. ACC-RAC Conference, March 8-10, 2018, Dallas, TX. (Platform)
9. Shannon Z, Salsbury S, Vining R, Cooley WC, **Goertz C**. Stakeholder Expectations of Integrating a Doctor of Chiropractic into a Rehabilitation Specialty Hospital: A Qualitative Analysis. International Congress on Integrative Medicine & Research, May 8-11, 2018, Baltimore, MD. (Poster)
10. Vining R, Salsbury S, Cooley WC, Gosselin D, Corber L, **Goertz C**. Integrating Chiropractic Care into a Neurorehabilitation Hospital: A Descriptive Study. International Congress on Integrative Medicine & Health, May 8-11, 2018, Baltimore, MD. (Poster)
11. Vining R, Twist E, Boesch R, Corber L, Long C, **Goertz C**. A Clinical Data Registry within a Chiropractic College Teaching Clinic: A 1-year Demonstration Project. ACC-RAC Conference, March 8-10, 2018, Dallas, TX. (Platform)
12. **Goertz C**, Ventura J, Payne K, Vining R, Matthis L. Am I Choosing Wisely? – How to Implement Choosing Wisely in Your Practice. NCLC Conference, February 28 – March 3, 2018, Washington, DC. (Platform)
13. **Goertz C**, Why Improving Healthcare Value in Spine Care Delivery is Essential, North American Spine Society, October 26, 2017, Orlando, FL.

14. **Goertz C**, Long C, Vining R, Pohlman K, Walter J, Coulter I. Assessment of chiropractic treatment for active duty, U.S. military personnel with low back pain: a randomized controlled trial (ACT I). Military Health System Research Symposium, August 28-30, 2017, Kissimmee FL. (Platform)
15. **Goertz C**, Salsbury S, Long C. Collaborative Care for Veterans with Spine Pain and Mental Health Conditions. Non-Pharmacological Approaches to Managing Pain and Co-Morbid Conditions in US Military Personnel, Veterans and their Families, National Center for Complementary and Integrative Health/National Institutes of Health, July 25-26, 2017, Bethesda, MD. (Platform)
16. **Goertz C**, Bezold C, Hamm A, Kennedy A. Maintaining Chiropractic's Momentum in Health, Science, Technology and Society. DC 2017, March 15-18, 2017, Washington, DC.
17. **Goertz C**, Assessment of Chiropractic Treatment for Active Duty, US Military Personnel with Low Back Pain: A Randomized Controlled Trial. DC 2017, March 15-18, 2017, Washington, DC.
18. Vining R, Salsbury S, Cooley C, Thurmond J, Corber L, Gosselin D, **Goertz C**. Chiropractic Services Provided at a Rehabilitation Specialty Hospital. DC 2017, March 15-18, 2017, Washington, DC.
19. **Goertz C**, Twist E, Salsbury S, Smith V, Lisi A. Chiropractic Integration into Multidisciplinary Healthcare Centers: Results of a Multi-Site Qualitative Case Study. DC, 2017, March 15-18, 2017, Washington, DC.
20. Hartman J, **Goertz C**, Lawrence D, Pohlman K. A Survey of Attitudes Toward Evidence-Based Clinical Practice among Doctors of Chiropractic Specializing in Pediatrics. DC 2017, March 15-18, 2017, Washington, DC.
21. **Goertz C**, Salsbury S, Hawk C, Vining R, Branson R, Burgo L, Smith V, Wallace R, Long C, Lisi A. Integrative Clinical Pathway for Veterans with Spine Pain and Mental Health Co-morbidities: Results of a Delphi Process Study. DC 2017, March 15-18, 2017, Washington, DC.
22. DeVocht J, Smith D, Long CR, Vining R, Jones T, Li Q, **Goertz C**. The Effect of Chiropractic Treatment on the Reaction and Response Times of Special Operation Forces Military Personnel: A Randomized Controlled Trial. DC 2017, March 15-18, 2017, Washington, DC.
23. Salsbury S, Vining R, Li Q, Thrumond J, Gosselin D, Cooley C, **Goertz C**. Social Network Analysis of a Chiropractor during Initial Integration into the Clinical Staff of a Rehabilitation Hospital. DC 2017, March 15-18, 2017, Washington, DC.
24. Xia T, Long C, Vining R, Gudavalli M, DeVocht J, Li Q, Kawchuk G, Wilder D, **Goertz C**. Association of Lumbar Spine Stiffness and Flexion-Relaxation with Patient-Reported Outcomes in Adults with Chronic Low Back Pain Receiving Spinal Manipulation Therapy. DC 2017, March 15-18, 2017, Washington, DC.
25. **Goertz C**, Allen K, Campbell C, Cherkin D, Krebs E. Comparative Effectiveness Research on Nonpharmacologic Approaches for Chronic Pain. PCORI Annual Meeting, November 17-19, 2016, National Harbor, MD.
26. **Goertz C**. Keeping Up: Why Research Must Drive Curricula in Chiropractic. WFC/ACC Education Conference, October 19-22, 2016, Montreal, Quebec, Canada.
27. Long C, Lawrence D, Stites J, Lyons K, **Goertz C**. A Cadre of EBCP Educators: Foundations for Curricular Change. WFC/ACC Education Conference, October 19-22, 2016, Montreal, Quebec, Canada.
28. **Goertz C**. Living in a Data-Driven World. What it means for Doctors of Chiropractic. New York Chiropractic College Homecoming, September 24, 2016, Seneca Falls, NY.
29. **Goertz C**, Hamm A, Lisi A, Salsbury S, Vining R. Integration of DCs in Multidisciplinary Healthcare Systems – It's all About the Data (and a couple of other things.....). Palmer College of Chiropractic Homecoming, August 11, 2016, Davenport, IA.
30. **Goertz C**, Edwards E. Funding your Research: Going Beyond the Standard NIH R01. International Congress on Integrative Medicine and Health, May 17-20, 2016, Las Vegas, NV.
31. **Goertz C**, Salsbury S, Vining R, Long C, Hondras M, Jones M, Andresen A, Killinger L, Wolinsky F, Wallace R. Collaborative Care for Older Adults with Back Pain (COCOA): Results of a Pilot Randomized Controlled Trial. International Congress on Integrative Medicine & Health, May 17-20, 2016, Las Vegas, NV.
32. Salsbury S, Hubbard J, Hartman J, Twist E, Alexander W, Boysen J, Vining R, **Goertz C**. Self-care, Exercise and Healthcare Seeking Strategies Used by Older Adults with Low Back Pain: A Secondary Analysis form

- a Randomized Controlled Trial. International Congress on Integrative Medicine & Health, May 17-20, 2016, Las Vegas, NV.
33. Twist E, **Goertz C**, Salsbury S, Smith V, Lisi A. Doctors of Chiropractic Working in Private Sector Medical Facilities: A Descriptive Survey. ACC-RAC Conference, March 17-19, 2016, Orlando, FL.
 34. Salsbury S, Alexander W, Boysen J, Hartman J, Hubbard J, Twist E, Vining R, **Goertz C**. Multimorbidity, Musculoskeletal Complaints, and pain Characteristics of Older Adults with Low Back Pain: A Secondary Analysis from a Randomized Controlled Trial. ACC-RAC Conference, March 17-19, 2016, Orlando, FL.
 35. Gudavalli MR, Xia T, DeVocht JW, Vining RD, Kawchuk GN, Long CR, Che W, Wilder DG, **Goertz CM**. Comparison of 3 Methods of Measuring Posterior-to-Anterior Lumbar Spinal Stiffness in Prone Position. ASME International Mechanical Engineering Congress & Exposition, November 13-19, 2015, Houston, TX.
 36. Weeks J, Bradley R, **Goertz C**, Dusek J. Strategies for Integrative Research to Rapidly Transform Payment Delivery. Academy of Integrative Healthcare and Medicine Conference, October 26-30, 2015, San Diego, CA.
 37. **Goertz C**. Research Innovations in Chiropractic. SACA Leadership Conference, October 3, 2015,
 38. Des Moines, IA.
 39. **Goertz C**, Meeker W. Celebrating 20 Years of the Palmer Center for Chiropractic Research. Palmer College of Chiropractic Homecoming, August 14, 2015, Davenport, IA.
 40. Xia T, Gudavalli MR, DeVocht JW, Vining RD, Kawchuk GN, Long CR, Che W, Wilder DG, **Goertz CM**. Lack of Association between Subjective and Objective Assessment of Spinal Stiffness. 39th Annual Meeting of the American Society of Biomechanics, August 5-8, 2015, Columbus, OH.
 41. **Goertz C**. Beyond Back Pain: Emerging Evidence for SMT for Hypertension? WFC 13th Biennial Congress, May 13-15, 2015, Athens, Greece.
 42. **Goertz C**. Spinal Health Identity: Why is it Important to the Chiropractic Profession? WFC 13th Biennial Congress, May 13-15, 2015, Athens, Greece.
 43. Salsbury SA, Gudavalli MR, Vining RD, **Goertz CM**. Patient Perceptions of Manual Cervical Distraction: A Qualitative Study to Refine the Design of a Full-scale Trial. WFC 13th Biennial Congress, May 13-15, 2015, Athens, Greece.
 44. Gudavalli MR, Vining RD, Salsbury SA, Long CR, Patwardhan AG, **Goertz CM**. Forces and Durations Measured During Delivery of a Manual Cervical Distraction Procedure. WFC 13th Biennial Congress, May 13-15, 2015, Athens, Greece.
 45. Homb N, Vining R, Lawrence D, **Goertz C**. Chiropractic Clinical Research: An Analysis of ClinicalTrials.gov. 13th WFC Congress, May 13-15, 2015, Athens, Greece.
 46. **Goertz C**. Chiropractic Quality, Cost and Risks: What the Evidence Says and Why You Should Care. Palmer College of Chiropractic West Homecoming, May 1-3, 2015, San Jose, CA.
 47. **Goertz C**. From the NIH to PCORI and Lessons Learned. WFC/ACC Education Conference, October 29 – November 1, 2014, Miami, FL.
 48. **Goertz C**. Chiropractic Quality, Cost and Risks: What the Evidence Says and Why You Should Care. Palmer College of Chiropractic Homecoming, August 8, 2014, Davenport, IA.
 49. **Goertz C**. Chiropractic for Hypertension in Patients (ChiP): A Pilot Randomized Controlled Trial. International Research Congress on Integrative Medicine and Health, May 12-16, 2014, Miami, FL
 50. **Goertz C**. Using Scientific Data when Talking Chiropractic to Policy Makers – What to say, What not to say and Why. Palmer College of Chiropractic West Homecoming, May 2, 2014, San Jose, CA.
 51. Gudavalli MR, Vining R, Salsbury S, **Goertz C**. Training Doctors of Chiropractic in Delivering Manual Cervical Traction Forces. ACC-RAC Conference, March 20-22, 2014, Orlando, FL.
 52. Gudavalli M, Yadav V, Vining R, Seidman M, Salsbury S, Patwardhan A, **Goertz C**. Development of Force-feedback Technology for Training Clinicians to Deliver Manual Cervical Distraction. International Mechanical Engineering Congress and Exposition (IMECE), November 15-21, 2013, San Diego, CA.
 53. **Goertz C**, Homb N. Chiropractic Physicians in Department of Defense-based practices: A Web-based Survey. APHA 141st Annual Meeting, November 2-6, 2013, Boston, MA.
 54. **Goertz C**. Chiropractic Health Policy: Building your Case with Policy Makers. University of St. Thomas Chiropractic Leadership Institute, September 6, 2013, Minneapolis, MN.

55. **Goertz C.** Research! It's Not Just for Scientist Anymore. Florida Chiropractic Association National Conference, August 24, 2013, Orlando, FL.
56. **Goertz C,** Lillie G, Morgan W, Vining R. Research! It's Not Just for Scientist Anymore. Palmer College of Chiropractic Homecoming, May 10, 2013, Davenport, IA.
57. **Goertz CM.** Research! It's Not Just for Scientists Anymore. Palmer College of Chiropractic West Homecoming, May 3, 2013, San Jose, CA.
58. **Goertz C,** Salsbury S, Vining R, Long C, Andresen A, Jones M, Lyons K, Hondras M, Killinger L, Wolinsky R, Wallace R. Co-management of Older Adults with Low Back Pain by Doctors of Chiropractic and Family Medicine Physicians: Study Design and Participant Recruitment. WFC 12th Biennial Congress, April 10-13, 2013, Durban, South Africa.
59. Gudavalli MR, Ptluri T, Carandang G, Havey R, Voronov L, Cox J, Rowell R, Kruse R, Joachim G, Patwardhan AG, Henderson CNR, **Goertz C.** Intradiscal Pressure Changes during Manual Cervical Distraction: A Cadaveric Study. WFC 12th Biennial Congress, April 10-13, 2013, Durban, South Africa.
60. Lorence Kumar L, Lawrence DJ, Salsbury SA, **Goertz CM.** Finance Attitudes, Knowledge, and Habits of Chiropractic Students: A Descriptive Study. WFC 12th Biennial Congress, April 10-13, 2013, Durban, South Africa.
61. Mootz R, Khalsa PS, **Goertz C,** Hansen D. Chiropractic Healthcare Reform: Improving Outcomes, Delivery, and Affordability of Healthcare. ACC-RAC Conference, March 14-16, 2013, Washington, DC.
62. Killinger LZ, Clum G, **Goertz C.** Placing Health Front and Center in Discussion of Health Care Reform. ACC-RAC Conference, March 14-16, 2013, Washington, DC.
63. **Goertz CM.** Translational Research in Manual Medicine. New York Chiropractic College Research Symposium, January 31, 2013, Seneca Falls, NY.
64. Gudavalli MR, Henderson CNR, Vining R, Carber L, Patwardhan AG, **Goertz C.** Neck Pain Participants' Perception of Traction Forces during Chiropractic Manual Cervical Distraction. International Mechanical Engineering Congress and Exposition (IMECE), November 9-15, 2012, Houston, TX.
65. Long CR, Lawrence DJ, Stites JS, Ferguson K, Wilson MC, Lyons K, Meeker WC, Marchiori D, **Goertz CM.** Diffusion of Innovation: An EBCP Faculty Development Program for Chiropractic College Faculty. WFC/ACC/CCIAP Chiropractic Education Conference – Translating Evidence into Practice, September 26-29, 2012, Perth, Australia.
66. **Goertz C.** Strategies to Translate Evidence into Education and Practice within Chiropractic Educational Institutions. WFC/ACC/CCIAP Chiropractic Education Conference – Translating Evidence into Practice, September 26-29, 2012, Perth, Australia.
67. **Goertz C,** Kawchuk G, Meeker W. Naysayers vs. Nerds: Pointed Questions from the Field for Chiropractic Scientists. Palmer College of Chiropractic West Campus Homecoming, May 19, 2012, San Jose, CA.
68. Cholewicki J, Weber W, **Goertz C,** Degenhardt B, Cherkin D. Low Back Pain: Standardization Issues in Manual Medicine Research and Its Application to Evidence-based Practice. International Research Congress on Integrative Medicine and Health May 15-18, 2012, Portland, OR.
69. **Goertz CM,** Long CR, Hondras MA, Petri R, Delgado R, Meeker MC, Lawrence DJ, Owens EF. Addition of Chiropractic Manipulative Therapy to Standard Medical Care May Improve Outcomes for Acute Low Back Pain in Active-Duty Military Personnel. International Research Congress on Integrative Medicine and Health, May 15-18, 2012, Portland, OR.
70. Carber L, Vining RD, Devlin T, Rice R, Salsbury S, Corber L, Hondras MA, Long CR, **Goertz CM.** Leveraging Grant Awards to Enhance the Research Infrastructure at a CAM Institution. International Research Congress on Integrative Medicine and Health, May 15-18, 2012, Portland, OR.
71. DeVocht J, Salsbury S, Seidman M, Carber L, Schaerffer W, Stanford C, **Goertz C,** Spector M, Hondras M. Comparison of Active to Sham Chiropractic Treatment for Temporomandibular Disorders. International Research Congress on Integrative Medicine and Health, May 15-18, 2012, Portland, OR.
72. Lyons K, Salsbury SA, Hondras MA, Jones M, Andresen A, **Goertz CM.** Older Adults' Attitudes on Collaborative Care of Low Back Pain by Doctors of Chiropractic and Medical Doctors: A Focus Group Study. International Research Congress on Integrative Medicine and Health, May 15-18, 2012, Portland, OR.

74. **Goertz C.** Effect of Spinal Manipulation on Sensorimotor Functions in Back Pain Patients: Methods, Demographics and Lessons Learned from a Randomized Controlled Trial. Michigan State University Center for Orthopedic Research Seminar, April 4, 2012, Lansing, MI.
75. **Goertz C,** Salsbury S, Vining R, Long C, Andresen A, Hondras M, Jones M, Killinger L, Lyons K. An Inter-professional Education Model for Co-management of Back Pain in Older Adults by Doctors of Chiropractic and Medical Doctors. ACC-RAC Conference, March 15-18, 2012, Las Vegas, NV.
76. Pohlman KA, Vining RD, Carber L, Devlin T, Rice R, Salsbury S, Corber L, Hondras MA, Long CR, **Goertz CM.** Building Clinical Trial Infrastructure at a Chiropractic Research Center. SoCRA 20th Annual Conference, September 22-25, 2011, San Diego, CA.
77. Cunningham K, **Goertz C,** Percuoco R, Weinert D, Wood K. Panel Discussion: The Changing Worlds of Healthcare and Education: Synergy in Training Chiropractors for the Future. Palmer College of Chiropractic Homecoming, August 13, 2011, Davenport, IA
78. **Goertz C,** Haavik H. Understanding Research Efforts and Subluxation. LifeSource Octagon Conference on Contemporary Scientific Paradigms: A New Model for Subluxation, April 14-16, 2011, Marietta, GA.
79. Meeker WC, Long CR, Hondras MA, Owens EF, Gudavalli MR, DeVocht JW, Wilder DG, Rowell RM, **Goertz CM.** Patient Characteristics Associated with Improvement of Subacute and Chronic Low Back Pain Treated with HVLA and LVVA Spinal Manipulation. World Federation of Chiropractic 11th Biennial Congress, April 4-9, 2011, Rio de Janeiro, Brazil.
80. Long CR, Carber L, Corber L, Pohlman KA, Hondras MA, Vining R, **Goertz C.** Building Clinical Trial Infrastructure Through Innovative Web-based Tools. World Federation of Chiropractic 11th Biennial Congress, April 4-9, 2011, Rio de Janeiro, Brazil.
81. **Goertz C,** Wilder D, Long CR, Vining R, DeVocht J, Pohlman K, Owens E, Gudavalli M. Poster Presentation – Toward Standardizing the Delivery of Spinal Manipulation for Patients with Low Back Pain. World Federation of Chiropractic 11th Biennial Congress, April 4-9, 2011, Rio de Janeiro, Brazil.
82. Fuhr A, Rupert R, **Goertz C,** Tepe R, Rosner T, Woodfield C. Research Workshop – Challenges with Chiropractic Technique Research, ACC-RAC Conference, March 17-19, 2011, Las Vegas, NV.
83. **Goertz C.** Moderator: Health Policy, Practice and Regulation. American Public Health Association Meeting, November 8, 2010, Denver, CO.
84. **Goertz C.** Facilitator – Panel Discussion. The Affordable Care Act and Beyond: A Stakeholder Conference on Integrated Health Care Reform, September 27-29, 2010, Washington, DC.
85. **Goertz C,** Wilder D: Making Clinical Research Relative to Clinical Practice. Palmer College of Chiropractic Homecoming, August 14, 2010, Davenport, IA.
86. **Goertz C:** Translational Research and Manual Therapies – How do we get there from here? Keynote Speaker, Highlighting Massage Therapy in CAM Research, May 7, 2010, Seattle, Washington.
87. Hurwitz E, **Goertz C,** Meeker W: The Architecture of Public Health Research in Chiropractic. Palmer College of Chiropractic Homecoming, August 15, 2009, Davenport, Iowa.
88. **Goertz C:** Translational Research in Chiropractic – How do we get there from here? Palmer College of Chiropractic Homecoming, August 13, 2009, Davenport, Iowa.
89. **Goertz C,** Henderson CNR: Spinal Manipulation and Cardiovascular Disorders – A Potential Conservative Treatment? Genesis Heart Institute Cardiology at the Bix, July 24, 2009, Davenport, Iowa.
90. **Goertz C,** Fonnebo V: Models of Complementary and Integrative Medicine (moderators). North American Research Conference on Complementary and Integrative Medicine, May 12-15, 2009, Minneapolis, Minnesota.
91. Langevin H, **Goertz C,** Khalsa PS, Woodhouse LJ, Jacobson E, King H (Symposium): Synergistic Research Goals for Manual Treatments of Musculoskeletal and Soft Tissue Disorders. North American Research Conference on Complementary and Integrative Medicine, May 12-15, 2009, Minneapolis, Minnesota.
92. **Goertz C,** Long C, Hondras M, Schnyer R: Practice-based Research Networks: Meeting the Challenge of Reflecting CAM Clinical Practice. North American Research Conference on Complementary and Integrative Medicine, May 12-15, 2009, Minneapolis, Minnesota.

93. **Goertz C:** The Future of Healthcare – New Perspectives, New Approaches. ACC-RAC Conference, March 12-14, 2009, Las Vegas, Nevada.
94. **Goertz Choate C:** Results of a Survey of Manual Methods of Health Care Practiced Internationally. WHO Congress on Traditional Medicine, November 7, 2008, Beijing, China.
95. **Goertz Choate C:** The Study of TCM in the US, Opportunities and Challenges or “A Tale of Two Studies”. International Conference on Traditional Medicine, November 5, 2008, Shanghai, China.
96. Khorsan R, Coulter ID, Hawk C, **Goertz Choate C:** Outcome Measures in Chiropractic Research: How do We Choose Health Services Clinician-based Measures? 136th APHA Annual Meeting, October 27, 2008, San Diego, California.
97. **Goertz Choate C,** McClellan G, Meeker W: The Science of Chiropractic Technique: Gaps and Opportunities. Palmer College of Chiropractic Homecoming, August 9, 2008, Davenport, Iowa.
98. **Goertz Choate C:** Translational Research and Manual Therapies: How do we Get There from Here? Distinguished Speakers Series, University of North Texas Health Science Center, March 31 2008, Fort Worth, Texas.
99. **Goertz C:** Research Programs and Funding Opportunities at the Samueli Institute. North American Research Conference on Complementary and Integrative Medicine, May 26, 2006, Edmonton, Alberta, Canada.
100. **Goertz C:** Complementary and Alternative Therapies for Prostate Cancer. Prostate Cancer Research Foundation Annual Research Conference, September 29 – October 1, 2005, Scottsdale, Arizona.
101. **Goertz C:** Use of CAM for HIV/AIDS. Hopkins CAM Conference, June 2005, Baltimore, Maryland.
102. **Goertz C:** Emerging Research and Training Opportunities. Association of Chiropractic Colleges Research Advisory Council, March 17-19, 2005, Las Vegas, Nevada.
103. **Goertz C:** Practice Outcomes Documentation System (PODS) – A Proposed Methodology for the Study of CAM and Cancer. International Society for Integrative Oncology Conference, November 17-19, 2004, New York, New York.
104. **Goertz C,** Jonas JB: Samueli Institute – Issues of Research Methodology and Tibetan Medicine – Prospective Outcomes Documentation Studies (PODS) of Traditional Practices. Tibetan Medicine Conference, November 6-8, 2003, Washington, DC.
105. **Goertz C,** Finch M, Kane R, Grimm R: Chiropractic Belief Questionnaire (CBQ) – Reliability and Validity Studies. International Conference on Spinal Manipulation, October 5-7, 2002, Toronto, Ontario, Canada.
106. **Goertz C,** Finch M: Utilization of Chiropractic Services within a Managed Care Setting. International Conference on Spinal Manipulation, October 5-7, 2002, Toronto, Ontario, Canada.
107. **Goertz C:** Opportunities at the National Center for Complementary and Alternative Medicine. Research Agenda Conference VII: Advancing the Science of Chiropractic, March 13-16, New Orleans, Louisiana.
108. **Goertz C:** Federal Research Funding – Hints for Successful Applications. Research Agenda Conference VI: Advancing the Science of Chiropractic, July 27-29, 2001, Kansas City, Missouri.
109. **Goertz C:** NCCAM - Effectiveness Research and Health Outcomes in Manual Medicine. International Federation on Manual Medicine 13th Triennial International Congress on Integrative Manual Medicine, July 23-27, 2001, Chicago, Illinois.
110. **Goertz C:** NCCAM – Efficacy Research Botanical Products. Drug Information Association 37th Annual Meeting, July 8-12, 2001, Denver, Colorado.
111. **Goertz C:** The Use of Complementary and Alternative Medicine for Menopause. 4th International Symposium on Women’s Health and Menopause, May 19-23, 2001, Washington, DC.
112. Kalish L, Zusman R, Thompson J, Pian-Smith, Connell P, Valaskatgis P, Wayne P, Stevens S, **Goertz C:** Hypertension with the Acupuncture Research Program (SHARP) – Design of a Randomized Controlled Clinical Trial. International Scientific Conference on Complementary, Alternative and Integrative Medicine Research, May 17-19, 2001, San Francisco, California.
113. **Goertz C:** Federal Research Funding – Guide to Successful Applications. International Scientific Conference on Complementary, Alternative and Integrative Medicine Research, May 17-19, 2001, San Francisco, California.

114. **Goertz C**: Promoting Research for Optimal Payment and Delivery (Discussant). Integrative Medicine Industry Leadership Summit, May 3-5, 2001, Scottsdale, Arizona.
115. **Goertz C**: Research Portfolio Update. Harvard Conference on Complementary and Integrative Medicine Clinical Update and Implications for Practice, February 11-14, 2001, Boston, Massachusetts.
116. **Goertz C**: Overview of Complementary and Alternative Medicine Research. The Science and Controversies of CAM: Toward an Integrative Approach, November 17, 2000, Great Neck, New York.
117. Chin S, Williams T, **Goertz C**, Gosnell M: Health Care Utilization in a Population Selecting Chiropractic Treatment. 128th APHA Annual Meeting, November 12-16, 2000, Boston, Massachusetts.
118. **Goertz C**: Toward Integrated Medicine. Health Resources Services Administration (HRSA) Center for Managed Care, May 22, 2000, Rockville, Maryland.
119. Smith M, Hawk C, **Goertz C**, Jansen R: The Practice of Chiropractic health Professional Shortage Areas – Public Health and Managed Care. American Public Health Association, November 15-18, 1998, Washington, DC.
120. **Goertz C**: Assessing Outcomes in the Chiropractic Office Using Self-report Questionnaires. American Chiropractic Association Managed Care Conference, March 1998, Washington, DC.
121. Smith M, Hawk C, **Goertz C**, Jansen R: The Practice of Chiropractic in Health Professional Shortage Areas – Public Health and Managed Care. Association for Health Services Research Annual Meeting, June 18-21, 1998, Chicago, Illinois.
122. **Goertz C**, Grimm R: Treatment of Hypertension with Alternative Therapies (THAT) Study – An Example of Interdisciplinary Research. World Med '96, World Congress on Complimentary Therapies, May 24-26, 1996, Washington, DC.
123. **Goertz C**, Garrard J, Cooper S: Drug Use Management in Board and Care Homes for the Elderly. Annual Conference of the Gerontological Society of America, November 1994.
124. McLaughlin C, **Goertz C**, Blatz C: Evaluation of Patient Satisfaction and Functional Health Status in a Chiropractic Ambulatory Care Setting – A Pilot Study. International Conference of Spinal Manipulation, Foundation for Chiropractic Education and Research, 1993, Arlington, Virginia.
125. **Goertz C**, Kassak K: General Health Status Assessment – The Experience of Northwestern College of Chiropractic. International Conference on Spinal Manipulation, May 1992, Chicago, Illinois.

TESTIMONY

June 1997	US Congress, Senate Subcommittee on Labor, Health and Human Services, and Education; Appropriateness of the Methodology used by Health Care Financing Administration to Calculate Practice Expense
September 1995	Minnesota State Legislature, Health and Human Services Committee; Qualifications of Doctors of Chiropractic in Performing Physical Examinations

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2. Kawchuk G, **Goertz C**, Axén I, Descarreaux M, French S, Haas M, Hartvigsen J, Kolberg C, Jenkins H, Peterson C, Taylor J. Letter to the Editor Re: Oakley PA, Cuttler JM, Harrison DE. X-Ray Imaging Is Essential for Contemporary Chiropractic and Manual Therapy Spinal Rehabilitation: Radiography Increases Benefits and Reduces Risks. *Dose Response*. 2018 Jun 19;16(2). *Dose Response*. 2018 Dec 27;16(4): eCollection 2018 Oct-Dec.
3. Vining R, Minkalis A, Long CR, Corber L, Franklin C, Gudavalli MR, Xia T, **Goertz CM**. Assessment of chiropractic care on strength, balance, and endurance in active-duty U.S. military personnel with low back pain: a protocol for a randomized controlled trial. *Trials*. 2018 Dec 5;19(1):671.

4. **Goertz CM**, George SZ. Insurer Coverage of Nonpharmacological Treatments for Low Back Pain—Time for a Change. *JAMA Network Open*. 2018;1(6):e183037. doi:10.1001/jamanetworkopen.2018.3037
5. Lisi AJ, Corcoran KL, DeRycke EC, Bastian LA, Becker WC, Edmond SN, **Goertz CM**, Goulet JL, Haskell SG, Higgins DM, Kawecki T, Kerns RD, Mattocks K, Ramsey C, Ruser CB, Brandt CA. Opioid Use Among Veterans of Recent Wars Receiving Veterans Affairs Chiropractic Care. *Pain Med*. 2018 Sep 1;19(suppl_1):S54-S60.
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13. Laura P Forsythe, Lori B. Frank, Rachel Hemphill, TsahaiA.Tafari, Victoria Szydowski, Michael Lauer, **Christine Goertz**, Steven Clauser. Researchers, Patients, and Stakeholders Evaluating Comparative Effectiveness Research: A Mixed-Methods Study of the PCORI Reviewer Experience. *Value in Health* 2018. [Epub ahead of print].
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