

April 4, 2023

EDUCATION:

University	Period of Study		Major	GPA	Degree
	From	To			
U.S. Air Force Academy	Jun 1990	Jun 1994	Biology	3.55	B.S.
U.S. Army-Baylor University	Jan 1995	Jul 1996	Physical Therapy	3.94	M.P.T.
University of Arizona	Aug 1996	May 2000	Business	3.93	M.B.A.
University of Pittsburgh	Aug 2000	Aug 2002	Musculoskeletal Physical Therapy	4.0	M.S.
University of Pittsburgh	Aug 2000	Aug 2003	Rehabilitation Science	4.0	Ph.D.
EIM Institute of Health Professions	Jan 2010	Dec 2010	Executive Program in Private Practice Management	4.0	DPT

APPOINTMENTS & POSITIONS:

1996-1998	Staff Physical Therapist, Department of Physical Therapy, Davis-Monthan Air Force Base, Tucson, AZ
1998-1999	Assistant Director, Department of Physical Therapy, Davis-Monthan Air Force Base, Tucson, AZ
1999-2000	Clinic Director, Department of Physical Therapy, Columbus Air Force Base, Columbus, MS
2000-2003	Doctoral Candidate (Ph.D., Rehabilitation Science), Air Force Institute of Technology, Department of Physical Therapy, University of Pittsburgh, Pittsburgh, PA
2003-2005	Senior Physical Therapist & Director of Research, Wilford Hall Medical Center, Lackland Air Force Base, San Antonio, TX
2004-2005	Postdoctoral Research Fellow, Department of Physical Therapy, School of Health & Rehabilitation Sciences, University of Pittsburgh, Pittsburgh, PA
2005-2007	Assistant Professor & Director of Research, U.S. Army-Baylor University Doctoral Program in Physical Therapy, Army Medical Department Center & School, Baylor University, San Antonio, TX
2002-2007	Assistant Professor, U.S. Army-Baylor University Postprofessional Doctoral Program in Orthopaedic Manual Physical Therapy, Brooke Army Medical Center, San Antonio, TX
2005-2008	Chief, USAF Physical Medicine Research & Practice Activities, Wilford Hall Medical Center, San Antonio, TX
2008-2010	Associate Professor, U.S. Army-Baylor University Postprofessional Doctoral Program in Orthopaedic Manual Physical Therapy, Brooke Army Medical Center, San Antonio, TX
2012	Human Protections Administrator, Joint Combat Casualty Care Team, U.S. Central Command, Bagram Airfield, Afghanistan
2008-2011	Associate Professor & Director of Research, U.S. Army-Baylor University Doctoral Program in Physical Therapy, Army Medical Department Center & School, Baylor University, San Antonio, TX
2011-2014	Director of Musculoskeletal Research, Department of Physical Therapy, 81 st Medical Group, Keesler Air Force Base, Biloxi, MS
2014-2015	Associate Professor, School of Physical Therapy, South College, Knoxville, TN
2014-2022	CEO, Evidence In Motion, San Antonio, TX

- 2015-2017 Clinical Professor & Founding Program Director, Doctor of Physical Therapy Program, Baylor University, Waco, TX
- 2017-2019 Associate Professor & Founding Program Director, Doctor of Physical Therapy Program, Public Health & Community Medicine, School of Medicine, Tufts University, Boston, MA
- 2022- Co-Founder, Evidence In Motion, San Antonio, TX and Partner, Confluent Health, Louisville, KY

LICENSURE, CERTIFICATIONS, & FELLOWSHIPS:

- 1996- Licensed Physical Therapist, Pennsylvania State Board of Physical Therapy Examiners, Commonwealth of Pennsylvania #PT-013320-L
- 1997- Certified Strength and Conditioning Specialist, National Strength and Conditioning Association #976289
- 1998- Certified Personal Trainer, National Strength and Conditioning Association #32281098
- 1998- American College of Sports Medicine Certified Health and Fitness Director #192
- 2001- Orthopaedic Clinical Specialist, American Board of Physical Therapy Specialties #4678
- 2002- Fellow, American Academy of Orthopaedic Manual Physical Therapists #FF0342
- 2008- Licensed Physical Therapist, Executive Council of Physical Therapy & Occupational Therapy, State of Texas #1185333
- 2010- Certificate, Executive Program in Private Practice Management, Evidence In Motion

PROFESSIONAL ACTIVITIES:

Memberships in Professional Societies:

- 1994- Life Member, U.S. Air Force Academy Association of Graduates (#940705)
- 1996- Life Member, Military Officer's Association of America
- 1996- Member, U.S. Army-Baylor University Physical Therapy Alumni Association
- 1996- Member, American Physical Therapy Association (#231478)
- 1996- Member, Orthopaedic Section, American Physical Therapy Association
- 1996-1999 Member, Arizona Physical Therapy Association and Southern District, Arizona Physical Therapy Association
- 1998-2002 Member, National Strength and Conditioning Association (#96-09-24-230)
- 1999-2000 Member, Mississippi Physical Therapy Association
- 1999-2000 Member, American College of Healthcare Executives
- 2000-2002 Member, Pennsylvania Physical Therapy Association and Southwestern District, Pennsylvania Physical Therapy Association
- 2000-2004 Member, Military Special Interest Group, National Strength and Conditioning Association
- 2000-2004 Member, Sports Section, American Physical Therapy Association
- 2000-2004 Member, Sports Residency Special Interest Group, Sports Physical Therapy Section, American Physical Therapy Association
- 2002-2003 Charter Member, Three Rivers Chapter, U.S. Air Force Academy Association of Graduates
- 2002- Member, Education Section, American Physical Therapy Association
- 2002- Member, Research Section, American Physical Therapy Association
- 2002- Fellow Member, American Academy of Orthopaedic Manual Physical Therapists (#FF0342)
- 2002- Member, Texas Physical Therapy Association and Central District, Texas Physical Therapy Association
- 2003- Member, Alamo Area Chapter, U.S. Air Force Academy Association of Graduates
- 2003- Life Member, Association of Military Surgeons of the United States (AMSUS) (#78897)
- 2007- Member, Sabre Society, U.S. Air Force Academy
- 2014- Member, 1954 Society, U.S. Air Force Academy

Memberships in Business Groups/Clubs:

- 2007-2010 Member, San Antonio Petroleum Club
- 2008-2011 Member, Vistage International, Inc.
- 2007- Member, Forbes.com CEO Network

2007- Member, Private Practice Section, American Physical Therapy Association
 2007- Member (#OC0705281307), Space Adventures' Spaceflight Club
 2009- Member, Bulverde Area Republican Women
 2011- Founding Member, Physical Therapy Business Alliance
 2014- Member, San Antonio Business Group on Health
 2014- Member, Young President's Organization (YPO), Western U.S. Region, San Antonio Chapter
 2014- Affiliate Member, Alliance for Physical Therapy Quality & Innovation

Professional Service:

1996-2000 President, Class of 1996 Alumni Association, U.S. Army-Baylor University Physical Therapy Alumni Association
 1999-2000 President, Mississippi State Chapter, National Strength and Conditioning Association
 1999-2000 Center Coordinator for Clinical Education, Department of Physical Therapy, Columbus Air Force Base, Columbus, MS
 1999-2000 Member, 14th Flying Training Wing Medical Casualty Notification Team for the Southeastern region, Columbus Air Force Base, Columbus, MS
 1999-2000 Director, 14th Medical Group Ambassador Program, Columbus Air Force Base, Columbus, MS
 1999-2000 Member, 14th Flying Training Wing Commander's Action Group, Columbus Air Force Base, Columbus, MS
 2000 Director, 14th Flying Training Wing Treasury Department's 2000 Savings Bond Campaign, Columbus Air Force Base, Columbus, MS
 2001-2003 Item Writer and Review Committee, Physical Therapist National Physical Therapy Examination, Federation of State Boards of Physical Therapy
 2001-2005 Member, Membership Committee, Orthopaedic Section, American Physical Therapy Association
 2002 Designated Examiner, Health/Fitness Instructor Certification Examination, American College of Sports Medicine
 2002 Physical Therapist Pass Point Study Committee, Physical Therapist National Physical Therapy Examination, Federation of State Boards of Physical Therapy
 2002 Member, Revenue Generation Task Force, Orthopaedic Section, American Physical Therapy Association
 2002-2004 Member, Specialization Academy of Content Experts, Orthopaedic Clinical Specialist Board Certification Examination, American Board of Physical Therapy Specialties
 2002-2005 On-site reviewer for physical therapist education programs, Commission on Accreditation in Physical Therapy Education
 2004-2005 Committee of Content Experts, Orthopaedic Clinical Specialist Board Certification Examination, American Board of Physical Therapy Specialties
 2004-2005 Trustee, Texas Physical Therapy Foundation
 2004-2005 Member, Development Committee, Texas Physical Therapy Foundation
 2002-2006 Faculty, Advanced Clinical Practice Continuing Education Series, American Physical Therapy Association
 2004-2006 Member, Finance Committee, Orthopaedic Section, American Physical Therapy Association
 2005-2006 Member, Differential Diagnosis Subcommittee, Annual Conference Program Committee, American Physical Therapy Association
 2005-2006 Government Affairs Committee, Texas Physical Therapy Association
 2004-2007 Member, Examination Committee, American Academy of Orthopaedic Manual Physical Therapists
 2004-2007 Member, Orthopaedic Independent Study Course Advisory Panel, Orthopaedic Section, American Physical Therapy Association
 2006-2007 Standardization Subgroup, International Classification of Function Task Force, Orthopaedic Section, American Physical Therapy Association
 2006-2008 Chair, Cervical Spine Review Group, International Classification of Function Task Force, Orthopaedic Section, American Physical Therapy Association
 2006-2008 Member, President's Cabinet, Foundation for Physical Therapy

- 2003-2009 Member, Public Relations Committee, American Academy of Orthopaedic Manual Physical Therapists
- 2008-2010 Member, Task Force on Product Endorsement and Evaluation Recommendations, American Physical Therapy Association
- 2008-2010 Member, Continuing Education Approval Program Task Force, Texas Physical Therapy Association
- 2005-2010 Treasurer, American Academy of Orthopaedic Manual Physical Therapists
- 2008-2010 Member, Communications Task Force, American Physical Therapy Association
- 2004-2010 Orals Board Examiner, U.S. Army-Baylor University Doctoral Program in Physical Therapy
- 2006-2011 Member, Annual Awards Task Force, Texas Physical Therapy Association
- 2010-2011 Member, Fellowship Renewal Task Force, American Academy of Orthopaedic Manual Physical Therapists
- 2011 Practice Analysis Policy Group, Physical Therapist and Physical Therapist Assistant National Physical Therapy Examination, Federation of State Boards of Physical Therapy
- 2010-2012 Member, Media Corps, American Physical Therapy Association
- 2014-2016 Member, Mayor's Fitness Council, San Antonio, TX
- 2011-2017 Board of Directors, Physical Therapy Business Alliance
- 2015-2017 Member, Independent Study Courses Advisory Panel, Orthopaedic Section of the American Physical Therapy Association
- 2016-2017 Member, U.S. Service Academy Selection Board for Congressman Lamar Smith
- 2016-2018 Family Officer, Young President's Organization (YPO) San Antonio
- 2018 Chair, Task Force for Feasibility Study for Accreditation, American Academy of Orthopaedic Manual Physical Therapists
- 2008- Member, Graham Sessions, Private Practice Section, American Physical Therapy Association
- 2018- Member, Board of Visitors, School of Health & Rehabilitation Sciences, University of Pittsburgh

Professional Service – Research-Related:

- 2002-2007 Member, Research Committee, American Academy of Orthopaedic Manual Physical Therapists
- 2003-2004 Editorial Review Board Member, *J Orthop Sports Phys Ther*
- 2003-2006 Member, Hooked on Evidence Extraction Review Group, American Physical Therapy Association
- 2004 Orthopaedic Poster Tour Facilitator, Annual Conference, American Physical Therapy Association, American Physical Therapy Association
- 2004-2005 Grant reviewer, Texas Physical Therapy Foundation
- 2004-2005 Guest Associate Editor, Special issue on Primary Care Physical Therapy, *J Orthop Sports Phys Ther*
- 2004-2006 Member, Committee for Screening Abstracts and Proposals, American Physical Therapy Association
- 2006 Reviewer, American Pain Society and American College of Physicians Clinical Guidelines for the Management of Low Back Pain
- 2006-2007 Case Report Committee, Physical Therapy
- 2007 Reviewer, Occupational Medicine Practice Guidelines, 2nd Edition, American College of Occupational and Environmental Medicine
- 2004-2008 Member, Abstract Review Committee, Section on Research, American Physical Therapy Association
- 2007-2008 Member, Program Committee, International Research Symposium, Somato-Visceral Interactions and Autonomic Mechanisms of Manual Therapy
- 2003-2009 Grant reviewer, American Academy of Orthopaedic Manual Physical Therapists
- 2006-2009 Member, Michels Forum Planning Committee, Section on Research, American Physical Therapy Association
- 2008-2009 Member, National Institutes of Health & National Center for Complementary and Alternative Medicine Nomenclature Conference Working Group

2009	Subject Matter Expert, Product Line Review, Rehabilitative Medicine/Military Amputee Research Program, Telemedicine & Advanced Technology Research Center
2005-2010	Member, Research Exchange Group, Combined Sections Meeting, Orthopaedic Section, American Physical Therapy
2008-2010	Member, Research Agenda Task Force, Orthopaedic Section, American Physical Therapy Association
2009-2010	Poster Discussion Leader, Annual Conference & Exposition, American Physical Therapy Association
2010	Reviewer, Occupational Medicine Practice Guidelines, 3 rd Edition, American College of Occupational and Environmental Medicine
2004-2011	Chair, Research Committee, Texas Physical Therapy Association
2005-2011	Member, External Reviewer Grant Committee, Orthopaedic Section, American Physical Therapy Association
2011	Member, Executive Committee, R13 grant application, National Center for Complementary and Alternative Medicine, "Current Research Status of Manipulative Therapy"
2007-2012	Member, Scientific Advisory Committee, Foundation for Physical Therapy
2010-2012	Grant Reviewer, Agency for Healthcare Research and Quality
2012	Member, Rehabilitation of Neuromusculoskeletal Injuries Scientific Steering Committee (SSC), US Army Medical Research and Materiel Command (USAMRMC) Clinical and Rehabilitative Medicine Research Program (CRM RP)
2006-2013	Editorial Board Member, Physical Therapy
2010-2013	Member, Data Safety & Monitoring Board, Impact of a Manipulation Decision Rule on Low Back Pain in Primary Care (Julie M. Fritz, PI), Agency for Healthcare Research and Quality
2010-2013	Member, Bridge Advanced Developments for Exceptional Rehabilitation (BADER) Consortium Research Advisory Committee (RAC), Department of Defense Orthopaedic Rehabilitation Clinical Consortium Award
2012-2014	Chair, Institutional Animal Care and Use Committee (IACUC), 81 st Medical Group, Keesler Air Force Base
2013-2014	Member, "Prevention of Training and Operational Injury Defense Health Program (DHP) Task Area (TA), Military Operational Medicine Joint Program Committee 5
2013-2014	Member, Scientific Committee, International Spine Research Foundation
2002-2017	Manuscript reviewer: Annals of Internal Medicine, British Medical Journal, Spine, BMC Musculoskeletal Disorders, Journal of Bone and Joint Surgery, Physical Therapy, Journal of Hand Therapy, Journal of Orthopaedic and Sports Physical Therapy, Physical Therapy, Archives of Physical Medicine and Rehabilitation, Manual Therapy, Clinical Biomechanics, Arthritis Care and Research, Clinical Orthopaedics & Related Research, American Journal of Sports Medicine, Military Medicine, HPA Journal, PPS Impact
2005-2017	Associate Editor, Journal of Orthopaedic and Sports Physical Therapy
2006-2018	Associate Editor, Physical Therapy Journal
2013-2018	Member, Advisory Committee, Center for Neuromusculoskeletal Research (CNMSR), School of Physical Therapy & Rehabilitation Sciences, University of South Florida
2011-2019	Safety Officer, "Can Neuromuscular Training Alter Movement Patterns?". Lynn Snyder-Mackler (PI), University of Delaware, National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
2018-2020	Member, Major Extremity Trauma Research Consortium Data & Safety Monitoring Board
2020	Member, Scientific Programming Committee for the International Federation of Orthopaedic Manipulative Physical Therapists, American Academy of Orthopaedic Manual Physical Therapists
2002-	Member, Abstract Review Committee, Orthopaedic Section, American Physical Therapy Association

Consultant/Advisory Work:

1994	Consultant to Valley Forge Military Academy for the development of honor code policy
1998-1999	Fitness consultant to U.S. Marine Corps, National Strength and Conditioning Association
2001-2002	Strength and Conditioning Advisor to the National Strength and Conditioning Association

- 2004 Consultant, Walter Reed Army Medical Center's Military Spine Conference on optimizing procedures for returning military personnel to high-risk activities after spinal surgery
- 2001-2005 Education and Business Practice Consultant to the Associate Chief for Physical Medicine, Physical Therapy Career Field, U.S. Air Force
- 2003-2005 Eller College Associate, Eller College of Business and Public Administration, University of Arizona
- 2005 Member, ACN Group National Advisory Committee
- 2005-2006 Medical Scientist and Practitioner Advisor, Crownstone Insights
- 2005-2006 Consultant, MEDACorp
- 2005-2006 Consultant, P\S\L Group's Healthcare Advisory Board
- 2005-2009 Member, Pentagon Chiropractic Health Care Benefit Advisory Committee
- 2006 Consultant, Emmi Solutions, Development of acute low back pain multimedia educational program
- 2006-2007 Reviewer, Healthwise Medical Knowledge Base, American Physical Therapy Association
- 2009 Subject Matter Expert, Development of multimedia educational low back pain DVD, U.S. Air Force Center of Excellence for Medical Multimedia (<http://www.lowbackpainatoz.org>)
- 2008-2010 Member, Low Back Pain Toolkit Task Force, VA/DoD Low Back Pain Guideline Committee
- 2012 Consultant, Portland Trailblazers, Injury Prevention, Training, and Healthcare Audit
- 2009-2014 Expert Reviewer, Medical Malpractice Claims, Medical Law Branch, Air Force Medical Service
- 2004-2014 Field consultant for musculoskeletal clinical practice, research, and injury prevention, Air Force Medical Service Surgeon General
- 2004- Council member and Consultant, Council of Healthcare Advisors, Gerson Lehrman Group
- 2014- Member, Board of Advisors, FitChimp, Inc. (<http://www.getfitchimp.com/>)

Service on Student/Resident Advisory Committees

- 2002-2004 Faculty Research Advisory Committee, U.S. Army-Baylor University Graduate Program in Physical Therapy (Class 2004), "Does ultrasound biofeedback improve performance of the abdominal drawing-in maneuver in patients with chronic low back pain?"
- 2003-2005 Faculty Research Advisory Committee (Class 2006), U.S. Army-Baylor Doctoral Program in Physical Therapy, "Preferential activation of the transversus abdominus muscle during core lumbar stabilization exercises"
- 2003-2006 Doctoral Dissertation Committee (Joshua A. Cleland), Nova Southeastern University, "Development of a clinical prediction rule to identify patients with neck pain likely to benefit from thoracic spine manipulation"
- 2004-2007 Faculty Research Advisory Committee (Class 2007), U.S. Army-Baylor Doctoral Program in Physical Therapy, "Comparison of two spinal manipulations for the treatment of low back pain as measured by patient self-reports of pain and function: A randomized clinical trial"
- 2004-2007 Faculty Research Advisory Committee (Class 2007), U.S. Army-Baylor Doctoral Program in Physical Therapy, "Long-term effectiveness of the Army's running shoe program: an analysis of soldiers' knowledge and shoe selection"
- 2005-2008 Faculty Research Advisory Committee (Class 2008), U.S. Army-Baylor Doctoral Program in Physical Therapy, "Assessment of the lateral abdominal muscles in subjects with sacroiliac dysfunction during the active straight-leg-raise test"
- 2005-2008 Faculty Research Advisory Committee (Class 2008), U.S. Army-Baylor Doctoral Program in Physical Therapy, "Predictive validity of selected clinical examination findings for the diagnosis of hip osteoarthritis"
- 2006-2007 Doctoral Dissertation Committee (Class 2006), U.S. Army Post-professional Doctoral Program in Orthopaedic Manual Physical Therapy, "A clinical prediction rule for classifying patients with neck pain who demonstrate short-term improvement with cervical traction"
- 2006-2009 Faculty Research Advisory Committee (Class 2009), U.S. Army-Baylor Doctoral Program in Physical Therapy, "The effect of traditional sit-up training versus core stabilization exercises on physical fitness test sit-up performance in Soldiers during Advanced Individual Training"

- 2006-2009 Faculty Research Advisory Committee (Class 2009), U.S. Army-Baylor Doctoral Program in Physical Therapy, "A comparison of abdominal and posterior trunk muscle thickness to physical performance tests in soldiers during advanced individual training"
- 2007-2008 Doctoral Dissertation Committee (Shawn J. Scott), University of Texas, "The effects of walking speed and an uneven surface on dynamic stability: A lower extremity amputee study"
- 2007-2011 Doctoral Dissertation Committee (Lise Stolze), Rocky Mountain University of Health Professions, "A clinical prediction rule for classifying patients with chronic low back pain most likely to benefit from Pilates exercise"
- 2007-2009 Doctoral Dissertation Committee (John McGee), University of Pittsburgh, "Cost effectiveness of classification-based physical therapy in an academic medical center"
- 2007-2008 Doctoral Dissertation Committee (Duneley A. Rochino), U.S. Army Post-professional Doctoral Program in Orthopaedic Manual Physical Therapy, "Pain and functional outcomes in patients with lumbar spinal stenosis treated with orthopaedic manual physical therapy and exercise: An observational study"
- 2007-2010 Faculty Research Advisory Committee (Class 2010), U.S. Army-Baylor Doctoral Program in Physical Therapy, "The effect of traditional physical training versus core stabilization exercises on injury and lost training in Soldiers during Advanced Individual Training"
- 2007-2010 Faculty Research Advisory Committee (Class 2010), U.S. Army-Baylor Doctoral Program in Physical Therapy, "The effect of traditional physical training versus core stabilization exercises on abdominal and trunk muscle function and muscle endurance in Soldiers during Advanced Individual Training"
- 2008-2011 Faculty Research Advisory Committee (Class 2011), U.S. Army-Baylor Doctoral Program in Physical Therapy, "Predictors of follow-up in the Prevention of Low Back Pain in the Military trial"
- 2008-2011 Faculty Research Advisory Committee (Class 2011), U.S. Army-Baylor Doctoral Program in Physical Therapy, "Lower extremity physical performance in healthy active duty service members: A reliability study"
- 2009-2012 Faculty Research Advisory Committee (Class 2012), U.S. Army-Baylor Doctoral Program in Physical Therapy, "Impact of the U.S. Army-Baylor University Doctoral Program in Physical Therapy internship program on access to care"
- 2009-2012 Faculty Research Advisory Committee (Class 2012), U.S. Army-Baylor Doctoral Program in Physical Therapy, "Knowledge of acute low back pain management among physical therapists and physicians in the uniformed services"
- 2010-2013 Faculty Research Advisory Committee (Class 2013), U.S. Army-Baylor Doctoral Program in Physical Therapy, "Assessment of cardiovascular risk factors in outpatient physical therapy"
- 2010-2013 Faculty Research Advisory Committee (Class 2013), U.S. Army-Baylor Doctoral Program in Physical Therapy, "Incremental effects of adding a phone call center on follow-up in the Prevention of Low Back Pain in the Military trial"
- 2011-2014 Faculty Research Advisory Committee (Class 2014), U.S. Army-Baylor Doctoral Program in Physical Therapy, "Improving low back muscle strength in Soldiers: A randomized trial"

HONORS & AWARDS - INDIVIDUAL:

- 1994 Distinguished Graduate, (top 7%,with academic and military distinction), U.S. Air Force Academy, Colorado Springs, CO
- 1994 John C. K. Milligan Award, Chairman of the Cadet Honor Committee, U.S. Air Force Academy, Colorado Springs, CO
- 1997 Company Grade Officer of the Quarter (Jan-Mar), 355th Medical Group and Medical Operations Squadron, Tucson, AZ
- 1998 Company Grade Officer of the Quarter (Apr-Jun), 355th Medical Group and Medical Operations Squadron, Tucson, AZ
- 1998 Distinguished Graduate, Expert Field Medical Badge, Arizona Army National Guard
- 2000 Commendation Medal, 14th Flying Training Wing, Columbus, MS

- 2000 Company Grade Officer of the Quarter (Jan-Mar), 14th Flying Training Wing, Medical Group, and Medical Operations Squadron, Columbus, MS
- 2000 Company Grade Physical Therapist of the Year, Air Education and Training Command
- 2000 Company Grade Physical Therapist of the Year, Air Force Medical Service
- 2002 Promotion of Doctoral Opportunities for Clinicians and Scholars Award (\$7500), Foundation for Physical Therapy
- 2003 Oral Presentation Award, 4th Place, 1st Annual 59th Medical Wing Wilford Hall Medical Center Research Appreciation Day, "Alterations in lower extremity movement and muscle activation patterns in individuals with knee osteoarthritis"
- 2003 Excellence in Research Award, American Academy of Orthopaedic Manual Physical Therapists, "Validation of a clinical prediction rule to identify patients with low back pain likely to benefit from spinal manipulation: A randomized clinical trial"
- 2004 The Discovery Health Clinical Excellence Award in Back Care, Discovery Institute, 8th International Congress of the International Federation of Orthopaedic Manipulative Therapists, "A comparison between two physical therapy treatment programs for subjects with lumbar spinal stenosis: A randomized clinical trial"
- 2004 Runner up, Researcher of the Year, 59th Medical Wing, Wilford Hall Medical Center
- 2004 Oral Presentation Award, 4th place, 2nd Annual 59th Medical Wing Wilford Hall Medical Center Research Appreciation Day, "Which patients with low back pain benefit from spinal manipulation? Validation of a clinical prediction rule"
- 2004 Postdoctoral Research Fellow Award (\$30,000), University of Pittsburgh
- 2004 Outstanding Research Platform Presentation Award, Texas Physical Therapy Association, "Which patients with low back benefit from spinal manipulation? Validation of a clinical prediction rule"
- 2004 Excellence in Research Award, American Academy of Orthopaedic Manual Physical Therapists, "Immediate effects of thoracic manipulation in patients with neck pain: A randomized clinical trial"
- 2005 Manuscript Reviewer of the Year, *Physical Therapy* journal
- 2005 Outstanding Research Platform Presentation Award, Texas Physical Therapy Association, "Ultrasound imaging of the deep abdominal muscles during core stabilization exercises"
- 2005 Ruby Decker Award, Texas Physical Therapy Association
- 2005 Rose Excellence in Research Award, Orthopaedic Section, American Physical Therapy Association, "A clinical prediction rule to identify patients with low back pain most likely to benefit from spinal manipulation: A validation study"
- 2005 Field Grade Physical Therapist of the Year, Air Force Medical Service
- 2005 Meritorious Service Medal, 59th Medical Wing, Lackland Air Force Base, San Antonio, TX
- 2006 Eugene Michels New Investigator Award, American Physical Therapy Association
- 2006 COL David G. Greathouse Excellence in Research Award, US Army-Baylor University Doctoral Program in Physical Therapy, "Ultrasound imaging of the deep abdominal muscles during core stabilization exercises"
- 2006 Field Grade Officer of the Quarter (Jul-Sep), Air Force Element Medical DoD, San Antonio, TX
- 2006 Outstanding Research Poster Presentation Award, Texas Physical Therapy Association, "Awareness and compliance with recommended physical activity and running shoe guidelines among American Soldiers"
- 2006 Outstanding Research Platform Presentation Award, Texas Physical Therapy Association, "Comparison of short-term response to two spinal manipulation techniques for patients with low back pain"
- 2006 Outstanding Physical Therapy Researcher Award, Texas Physical Therapy Association
- 2007 Excellence in Research Award, Section on Geriatrics, American Physical Therapy Association, "A comparison between two physical therapy treatment programs for patients with lumbar spinal stenosis: A randomized clinical trial"
- 2008 COL David G. Greathouse Excellence in Research Award, US Army-Baylor University Doctoral Program in Physical Therapy, Predictive validity of selected clinical examination findings for the diagnosis of hip OA
- 2007 Charles M. Magistro Distinguished Lecturer Award, Arcadia University

- 2007 Outstanding Research Platform Presentation Award, Texas Physical Therapy Association, "Development of a clinical prediction rule for the diagnosis of hip osteoarthritis in patients with unilateral hip pain"
- 2007 Outstanding Research Platform Presentation Award, Texas Physical Therapy Association, "Lateral abdominal muscle behavior in subjects with lumbopelvic pain during the active straight leg raise test"
- 2007 Richard E. Erhard Excellence in Research Award, American Academy of Orthopaedic Manual Physical Therapists, "Development of a clinical prediction rule for guiding treatment of a subgroup of patients with neck pain: use of thoracic spine manipulation, exercise, and patient education"
- 2008 Jack Walker Research Award, American Physical Therapy Association, "Short-term effects of thrust versus nonthrust mobilization/manipulation directed at the thoracic spine in patients with neck pain: A randomized clinical trial"
- 2008 William Gould Memorial Faculty Award, Texas Physical Therapy Association
- 2008 Order of Military Medical Merit Award, Army Medical Department
- 2008 U.S. Air Force Outstanding Achievement in Clinical Research Award, Air Force Medical Service
- 2009 COL David G. Greathouse Excellence in Research Award, US Army-Baylor University Doctoral Program in Physical Therapy, "The effects of traditional sit-up training versus core stabilization exercises on sit-up performance on us army soldiers: A cluster randomized trial"
- 2009 Leader in Physical Therapy Award, Division of Physical Therapy, Ohio State University
- 2009 Colonel Mary Lipscomb Hamrick Army Medical Specialists Corps Abstract Award, "Effects of sit-up training vs. core stabilization exercises on sit-up performance"
- 2009 Commencement Speaker, Class 2009 Physical Therapist Graduation Ceremony, Elon University
- 2010 COL David G. Greathouse Excellence in Research Award, US Army-Baylor University Doctoral Program in Physical Therapy, "Effects of traditional sit-up training versus core stabilization exercises on short-term musculoskeletal injury rates in US Army soldiers: A randomized clinical trial"
- 2011 Chattanooga Research Award, American Physical Therapy Association, "Examination of a clinical prediction rule to identify patients with neck pain likely to benefit from thoracic spine thrust manipulation: A multi-center randomized clinical trial"
- 2011 Meritorious Service Medal, Army Medical Department Center & School, Ft. Sam Houston, San Antonio, TX
- 2011 Biomedical Clinician Field Grade Officer of the Year, Air Education and Training Command
- 2012 Joint Service Achievement Medal, Joint Combat Casualty Research Team, U.S. Central Command, Bagram, Afghanistan
- 2012 NATO Medal, Joint Combat Casualty Research Team, U.S. Central Command, Bagram, Afghanistan
- 2012 COL David G. Greathouse Excellence in Research Award, US Army-Baylor University Doctoral Program in Physical Therapy, "Family practitioner vs. physical therapist knowledge of simple low back pain management in the U.S. Air Force"
- 2012 Outstanding Paper Award, The Spine Journal, "Prevention of low back pain in the military (POLM) cluster randomized trial: Effects of brief psychosocial education on total and low back pain-related health care costs"
- 2012 Research and Development Award, Association of Military Surgeons of the United States (AMSUS)
- 2012 Biomedical Clinician Field Grade Officer of the Year, Air Education and Training Command
- 2014 Catherine Worthingham Fellow, American Physical Therapy Association
- 2014 Meritorious Service Medal, 81st Medical Group, Keesler Air Force Base, Biloxi, MS, TX
- 2015 Health Care Heroes Award (Education), San Antonio Business Journal
- 2015 Ernst & Young Entrepreneur of the Year Finalist, Central Texas Region
- 2015 Outstanding Research Accomplishment/Team/Academic, Military Health System Research Symposium, "Implications of early and guideline adherent physical therapy for low back pain on utilization and costs"

- 2016 Marian Williams Award for Research in Physical Therapy, American Physical Therapy Association
- 2016 Ron Peyton Innovation Lecture Award, Duke University School of Medicine (<https://duke.mediasite.com/Mediasite/Play/2661e3e315a5462c833c40f7d718f3361d>)
- 2016 Prestige Speaker Day, Doctor of Physical Therapy Program, Cleveland State University
- 2017 Health Care Heroes Award (Military Medicine), San Antonio Business Journal
- 2018 Rose Excellence in Research Award, Academy of Orthopaedic Physical Therapy, American Physical Therapy Association, "Exercise, manual therapy, and booster sessions in knee osteoarthritis: Cost-effectiveness analysis from a multi-center randomized clinical trial"

HONORS & AWARDS - ORGANIZATIONAL:

- 1994 Air Force Organizational Excellence Award, U.S. Air Force Academy, Colorado Springs, CO
- 2001 Air Force Outstanding Unit Award, 14th Medical Group, 14th Operations Squadron, Columbus Air Force Base, Columbus, MS
- 2004 Air Force Outstanding Unit Award, 59th Medical Wing, Wilford Hall Medical Center, Lackland Air Force Base, San Antonio, TX
- 2006 Physical Therapy Team of the Year, Wilford Hall Medical Center, U.S. Air Force
- 2009 Inc.Credible Award, Evidence In Motion, LLC, Greater Louisville Inc. (for the category of businesses with 10-49 employees)
- 2009 Private Practice of the Year Award, Texas Physical Therapy Specialists, Private Practice Section of the American Physical Therapy Association
- 2009 Inc. 500/5000 list (#214 with 3-year revenue growth of 959%), Texas Physical Therapy Specialists
- 2010 Inc. 500/5000 list (#615 with 3-year revenue growth of 487%), Texas Physical Therapy Specialists
- 2011 San Antonio's Top 50 Private Companies (#43 – more than \$5 million, less than \$15 million category), Texas Physical Therapy Specialists, San Antonio Business Journal
- 2011 Best Places to Work in San Antonio, Texas Physical Therapy Specialists, San Antonio Business Journal
- 2011 Inc. 500/5000 list (#748 with 3-year revenue growth of 421%), Texas Physical Therapy Specialists
- 2012 Outcomes Excellence Award, Texas Physical Therapy Specialists, Focus on Therapeutic Outcomes, Inc.
- 2012 Best Places to Work in Austin, Texas Physical Therapy Specialists, Austin Business Journal
- 2012 Inc. 500/5000 list (#1,768 with 3-year revenue growth of 161%), Texas Physical Therapy Specialists
- 2012 The Fast 50 (#6 fastest-growing independent and privately-held company in the Greater Louisville area), Evidence In Motion, Louisville Business Journal
- 2012 "Locals Love Us" Award, Texas Physical Therapy Specialists – Tyler (<http://tylertx.localsloveus.com/>)
- 2012 Commander-In-Chief's Award for Installation Excellence, U.S. Air Force, Air Education & Training Command, 81st Training Wing, Keesler Air Force Base, Biloxi, MS
- 2012 Joint Meritorious Unit Award, Joint Combat Casualty Research Team, Headquarters, United Stated Central Command
- 2013 Best Places to Work in San Antonio, Texas Physical Therapy Specialists, San Antonio Business Journal
- 2013 Business First Partners in Philanthropy Innovative Partnership Award (Jacmel Clinic in Haiti), Texas Physical Therapy Specialists, Business First in Louisville
- 2013 The Fast 50 (#6 fastest-growing independent and privately-held company in the Greater Louisville area), Evidence In Motion, Louisville Business Journal
- 2013 U.S. Air Force Surgeon General Award for Best Hospital of the Year, Air Education & Training Command, 81st Training Wing, Keesler Medical Center, Keesler Air Force Base, Biloxi, MS
- 2013 Team of the Year, U.S. Air Force Biomedical Sciences Corp, Air Education & Training Command, 81st Training Wing, Keesler Medical Center, Keesler Air Force Base, Biloxi, MS

- 2013 Air Force Outstanding Unit Award, 1 July 2011 to 30 June 2013, Air Education and Training Command, 81st Training Wing, Keesler Air Force Base, Biloxi, MS
- 2014 Best Places to Work in San Antonio, Texas Physical Therapy Specialists, San Antonio Business Journal
- 2014 Readers' Choice Award - Best Physical Therapy in New Braunfels, Texas Physical Therapy Specialists - New Braunfels, Herald-Zeitung
- 2015 Fast Track (#5 - more than \$10 million category), Texas Physical Therapy Specialists, San Antonio Business Journal
- 2017 Best Places to Work (Small Companies), Evidence In Motion, San Antonio Business Journal

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74. Teyhen DS, Williamson JN, Carlson NH, Suttles ST, O'Laughlin SJ, Whittaker JL, Goffar SL, Childs JD (Williamson). Lateral abdominal muscle behavior in subjects with lumbopelvic pain during the active straight leg raise test. Combined Sections Meeting, American Physical Therapy Association, Nashville, TN, Feb 2008.
75. Teyhen DS, Mooney LN, Dolbeer JA, Baker SE, Molloy JM, Whittaker J, Childs JD (Teyhen). Lateral abdominal muscle behavior in subjects with lumbopelvic pain during the abdominal drawing-in maneuver. Combined Sections Meeting, American Physical Therapy Association, Nashville, TN, Feb 2008.
76. Davenport TE, Cleland JA, Lewthwaite R, Yamada KA, Childs JD, Fritz JM, Kulig K (Davenport). Responsiveness of the low-back activity confidence scale in a subgroup of patients with lower back pain: Preliminary analysis. Combined Sections Meeting, American Physical Therapy Association, Nashville, TN, Feb 2008.
77. Cleland JA, Fritz JM, Childs JD, Kulig K, Eberhart S, Davenport TE, Magel J, Landel RF (Cleland). Generalizability of a clinical prediction rule for identifying patient with low back pain who are likely to respond rapidly to thrust manipulation. Annual Meeting, American Academy of Orthopaedic Manual Physical Therapists, Seattle, WA, Oct 2008.

78. Cleland J, Fritz J, Kulig K, Davenport TE, Eberhart S, Magel JS, Childs JD. Comparison of the effectiveness of three manual physical therapy techniques in a subgroup of patients with low back pain who satisfy a clinical prediction rule: A randomized clinical trial (Cleland). Combined Sections Meeting, American Physical Therapy Association, Las Vegas, NV, Feb 2009.
79. Childs JD, George SZ, Wright A, Dugan JL, Benedict T, Bush J, Fortenberry A, Preston J, McQueen R, Teyhen DS (Childs). The effects of traditional sit-up training versus core stabilization exercises on sit-up performance in US Army Soldiers: A cluster randomized trial (NCT00373009). Combined Sections Meeting, American Physical Therapy Association, Las Vegas, NV, Feb 2009.
80. Teyhen DS, Childs JD, Hall NM, Gervacio SC, Lopez JA, Mitchler JR, Wright A, Dugan JL, George SZ (Wright). The influence of sex, height, and weight on trunk muscle thickness and endurance. Combined Sections Meeting, American Physical Therapy Association, Las Vegas, NV, Feb 2009.
81. George SZ, Teyhen DS, Wu SS, Wright A, Dugan JL, Yang G, Robinson ME, Childs JD (George). Psychosocial education improves low back pain beliefs: Results from a cluster randomized clinical trial (NCT00373009). Combined Sections Meeting, American Physical Therapy Association, Las Vegas, NV, Feb 2009.
82. Childs JD, Teyhen DS, Casey P, McCoy-Singh K, Weston A, George SZ, Wright AC, Dugan JL (Childs). The effects of traditional sit-up training versus core stabilization exercises on musculoskeletal injury rates in US Army Soldiers: A cluster randomized trial (NCT00373009). Combined Sections Meeting, American Physical Therapy Association, San Diego, CA, Feb 2010.
83. Cleland J, Childs JD, Glynn PE, Mintken P, Carpenter K, Whitman J. Thoracic spine manipulation and exercise versus exercise alone in the management of mechanical neck pain: Preliminary analysis of a randomized clinical trial (Cleland). Combined Sections Meeting, American Physical Therapy Association, San Diego, CA, Feb 2010.
84. Moore JH, Childs JD, Middel CJ, Bennett A, Goffar SL. Army-baylor internship model: A reform of clinical education (Moore). Combined Sections Meeting, American Physical Therapy Association, San Diego, CA, Feb 2010.
85. Childs JD, George SZ, Wright A, Dugan JL, Benedict T, Bush J, Fortenberry A, Preston J, McQueen R, Teyhen DS (Childs). Effects of sit-up training versus core stabilization exercises on sit-up performance in US Army Soldiers: A cluster randomized trial. Air Force Medical Service Research Symposium, Washington, DC, Aug 2010.
86. Childs JD, Teyhen DS, Casey P, McCoy-Singh K, Weston A, George SZ, Wright AC, Dugan JL (Childs). Effects of traditional sit-up training versus core stabilization exercises on short-term musculoskeletal injuries in US Army Soldiers: A cluster randomized trial. Air Force Medical Service Research Symposium, Washington, DC, Aug 2010.
87. Koppenhaver S, Childs JD, Gill S, Teyhen DS, Fritz J, Hebert J, Kawchuk G, Parent EC (Koppenhaver). Association between changes in abdominal and lumbar multifidus muscle thickness and clinical improvement after spinal manipulation. Combined Sections Meeting, American Physical Therapy Association, New Orleans, LA, Feb 2011.
88. Fritz J, Hebert J, Koppenhaver S, Teyhen DS, Childs JD, Kawchuk G (Fritz). Association between spinal stiffness and outcomes in subjects with low back pain receiving manipulation. Combined Sections Meeting, American Physical Therapy Association, New Orleans, LA, Feb 2011.
89. Shaffer SW, Teyhen DS, Villena SL, Zosel KL, Greenberg MD, Lorenson CL, Yost CM, Childs JD (Shaffer SW). Lower extremity measures predictive of dynamic balance. Combined Sections Meeting, American Physical Therapy Association, New Orleans, LA, Feb 2011.
90. Teyhen DS, Shaffer SW, Villena SL, Zosel KL, Greenberg MD, Lorenson CL, Rogers SM, Childs JD (Rogers). Lower extremity measures predictive of functional movement. Combined Sections Meeting, American Physical Therapy Association, New Orleans, LA, Feb 2011.
91. Shaffer SW, Teyhen DS, Lorenson CL, Warren RL, Straseske CA, Wood SL, Dugan J, Childs JD (Lorenson). Y-Balance test: A reliability study involving novice raters. Combined Sections Meeting, American Physical Therapy Association, New Orleans, LA, Feb 2011.
92. Childs JD, Wu S, Van Wyngaarden JJ, Dougherty B, Ladislav B, Helton G, Teyhen DS, George SZ (Childs). Predictors of web-based response rate in the prevention of low back pain the military trial. Combined Sections Meeting, American Physical Therapy Association, New Orleans, LA, Feb 2011.

93. Teyhen D, Shaffer S, Villena S, Zosel K, Greenberg M, Lorensen C, Yost C, Rogers S, Childs JD (Teyhen). Lower extremity measures predictive of dynamic balance and functional movement. 2nd International Congress on Soldiers' Physical Performance, Jyväskylä, Finland, May 2011.
94. George SZ, Childs JD, Teyhen DS, Wu SS, Wright AC, Dugan JL, Robinson ME (Childs). Prevention of low back pain in the military: A cluster randomized trial. Air Force Medical Service Research Symposium, Washington, DC, Aug 2011.
95. Ross MD, Childs JD, Middel C, Kujawa J, Brown D, Corrigan M, Parsons N (Ross). Physical therapist and physician knowledge of low back pain management. Annual Meeting, American Academy of Orthopaedic Manual Physical Therapists, Anaheim, CA, Oct 2011.
96. George SZ, Wu SS, Childs JD, Teyhen DS, Dugan J, Wright A, Robinson M (George). First episode of self-reported low back pain during military service: predictors from an inception cohort. Combined Sections Meeting, American Physical Therapy Association, Chicago, IL, Feb 2012.
97. Fritz J, Wainner R, Flynn TW, Childs JD (Fritz). Primary care referral of patients with a new consultation for low back pain to physical therapy: The impact of the timing and content of care on healthcare costs. Combined Sections Meeting, American Physical Therapy Association, Chicago, IL, Feb 2012.
98. Ross M, Childs JD, Middel C, Brown D, Parsons N, Kujawa J, Corrigan M (Ross). Physical therapist versus family practitioner knowledge of low back pain management. Combined Sections Meeting, American Physical Therapy Association, Chicago, IL, Feb 2012.
99. Childs JD, Wu SS, Teyhen DS, Robinson ME, George SZ (Childs). Prevention of low back pain in the military (POLM) cluster randomized trial: Effects of brief psychosocial education on total and low back pain-related health care costs. Military Health System Research Symposium, Ft. Lauderdale, FL, Aug 2012.
100. Childs JD, Wu SS, Teyhen DS, Robinson ME, George SZ (Childs). Prevention of low back pain in the military (POLM) cluster randomized trial: Effects of brief psychosocial education on total and low back pain-related health care costs, North American Spine Society, Dallas, TX, Oct 2012.
101. Childs JD, Wu SS, Andrade R, Bowman J, Bonner V, Butler A, Teyhen DS, George, SZ (Andrade). Incremental effects of utilizing a telephone call center to enhance follow-up rate in the Prevention of Low Back Pain in the Military trial. Combined Sections Meeting, American Physical Therapy Association, San Diego, CA, Jan 2013.
102. Ross M, Hoppes C, Fillmore B, Greenlee M, Hill S, Shea B, Childs JD, Hando B (Ross). Screening for cardiovascular disease risk factors in physical therapist practice. Combined Sections Meeting, American Physical Therapy Association, San Diego, CA, Jan 2013.
103. Neilson BD, Childs JD, Koppenhaver SL, Francis M, Hurley B, Morgan SC, Stoute SM, Quillen WS, Mayer J. (Morgan). Relationship between time of day tested and lumbar spine strength and endurance. Graduate School Research Day, Academy of Health Sciences, San Antonio, TX, Dec 2013.
104. Quillen WS, Childs JD, Mayer JM (Mayer). Low back pain in the US military: Epidemiology, prevention, and future directions. Special Operators Medical Association Annual Scientific Assembly, Tampa, FL, Dec 2013.
105. Quillen WS, Childs JD, Libous JL, Mayer JM (Quillen). Low back pain in the US Military: Epidemiology, prevention, and current Research. University of South Florida Health Research Day, Tampa, FL, Feb 2014.
106. Koppenhaver S, Fritz JM, Hebert J, Kawchuk G, Croy T, Childs JD, Teyhen D (Koppenhaver). Criterion validity of manual assessment of spinal mobility. Combined Sections Meeting, American Physical Therapy Association, Las Vegas, NV, Jan 2014.
107. Mayer JM, Childs JD, Neilson BM, Koppenhaver SL, Quillen WS (Childs). Effects of lumbar extensor progressive resistance exercise versus core stabilization exercise on low back strength and endurance in soldiers: Preliminary results of a randomized clinical trial. Annual Meeting of the American College of Occupational & Environmental Medicine, San Antonio, TX, Apr 2014.
108. Quillen WS, Mayer JM, Childs JD (Mayer). Physical fitness interventions for low back pain in the military. Annual Meeting, 5th World Congress on Exercise is Medicine, and World Congress on the Role of Inflammation in Exercise, Health, and Disease, American College of Sports Medicine, Orlando, FL, May 2014.

109. Quillen WS, Childs JD, Libous JL, Neilson BD, Koppenhave SL, Mayer JM (Quillen). Impact of exercise adherence on lumbar extension strength gains in Soldiers. Annual Meeting of the American Orthopaedic Society for Sports Medicine, Seattle, WA, Jul 2014.
110. Quillen WS, Mayer JM, Childs JD, Neilson BM, Koppenhave SL, Pitt, Will (Quillen). Reduction of risk for low back injury in military warfighters. 3rd International Congress on Soldiers' Physical Performance, Boston, MA, Aug 2014.
111. Mayer JM, Childs JD, Libous JL, Chen H, Quillen WS (Mayer). Effect of lumbar extensor progressive resistance exercise versus core stability exercise on lumbar extension muscular strength and core muscular endurance in soldiers (Paper #95). North American Spine Society Annual Meeting, San Francisco, CA, Nov 2014.
112. Fitzgerald GK, Childs JD, Fritz JM, Brennan GP. Abbott JH (Fitzgerald). Exercise, manual therapy, and use of booster sessions in physical therapy for knee oa: A multi-center randomized clinical trial. American College of Rheumatology Annual Meeting, Boston, MA, Nov 2014.
113. Mayer JM, Childs JD, Libous JL, Neilson BD, Koppenhave SL, Quillen WS (Mayer). Factors influencing lumbar extension strength gains in soldiers. Annual Meeting, World Congress on Exercise is Medicine, and World Congress on the Basic Science of Exercise Fatigue of the American College of Sports Medicine, San Diego, CA, May 2015.
114. Fitzgerald GK, Bove AM, Childs JD, Smith KJ, Brennan G, Haxby A, Bise C, Fritz JM (Fitzgerald). What is the most cost-effective strategy to treat knee osteoarthritis? American College of Rheumatology Annual Meeting, San Francisco, CA, Nov 2015.
115. Hammerich A, Whitman J, Mintken P, Denninger T, Akuthota V, Sawyer E, Hofmann M, Childs J, Cleland J (Hammerich). Effectiveness of physical therapy combined with epidural steroid injection for patients with lumbar spinal stenosis: A randomized parallel-group trial, Combined Sections Meeting of the American Physical Therapy Association, Washington, DC, Jan 2018.

INVITED LECTURES:

1. "Teaching Techniques for Upper Body Weight Training Exercises," Southern Arizona Southwest Fitness Association's Southwest Fitness and Conditioning Clinic, Tucson, AZ, Mar 1999.
2. "Army Expert Field Medical Badge Course," U.S. Air Force Physical Therapy/Occupational Therapy Management Symposium, Sheppard Air Force Base, TX, Jul 1999.
3. Critical review of "Construct validity of Cyriax's selective tension examination: Association of end-feels with pain at the knee and shoulder," *JOSPT* 2000;30(9):512-527, Doctoral Seminar, Department of Physical Therapy, University of Pittsburgh, Pittsburgh, PA, Oct 2000.
4. "The Potential Viability of Outsourcing Physical Therapy Services: A Retrospective Business Case Analysis," U.S. Air Force Physical Therapy/Occupational Therapy Management Symposium, San Antonio, TX, Feb 2001.
5. "The Quality of Observational vs. Randomized Controlled Trials: The Potential for Bias and a Review of the Current Literature," Doctoral Oral Examination Seminar, Department of Physical Therapy, University of Pittsburgh, Pittsburgh, PA, Jun 2001.
6. "Brachial Plexopathy in an Athlete: A Case Report," Upper Extremity Examination and Treatment, Department of Physical Therapy, University of Pittsburgh, Pittsburgh, PA, Jul 2001.
7. "Techniques and Considerations for 3-D Motion Analysis," The Advanced Course: Anatomy, Pathomechanics, and Evaluation, Pedorthic Footwear Association, University of Pittsburgh, Pittsburgh, PA, Aug 2001.
8. "Power Analysis Considerations in Reliability Studies," Doctoral Seminar, Department of Physical Therapy, University of Pittsburgh, Pittsburgh, PA, Nov 2001.
9. "The Use of Manipulation in a Patient with an Ankle Sprain Not Responding to Conventional Management: A Case Report," Physical Therapy Grand Rounds, Department of Physical Therapy, University of Pittsburgh, Pittsburgh, PA, Feb 2002.
10. "Validation of a Clinical Decision Rule to Identify Patients Likely to Respond to Manipulation," Doctoral Dissertation Proposal Defense, Department Physical Therapy, University of Pittsburgh, Pittsburgh, PA, Mar 2002.

11. "The Use of Manipulation in a Patient with an Ankle Sprain Not Responding to Conventional Management: A Case Report," Lecture for the Lower Extremity Examination and Treatment course, Department of Physical Therapy, University of Pittsburgh, Pittsburgh, PA, Mar 2002.
12. "Spinal Manipulation," Air Force Physical Therapy Readiness Skills Verification Program, Physical Therapy Element, Wilford Hall Medical Center, Lackland Air Force Base, San Antonio, TX, Feb 2003.
13. "Advanced Physical Therapy Course on Evaluation and Treatment of the Spine," Army Medical Department Center & School, Fort Sam Houston, San Antonio, TX, Apr 2003.
14. "Exercise for Low Back Pain," U.S. Army Post-professional Doctoral Program in Orthopaedic Manual Physical Therapy, Brooke Army Medical Center, San Antonio, TX, Aug 2003.
15. "Exercise for Neck Pain," U.S. Army Post-professional Doctoral Program in Orthopaedic Manual Physical Therapy, Brooke Army Medical Center, San Antonio, TX, Sep 2003.
16. "Screening for Serious Pathology, Manual Physical Therapy: Evidence and Evolution in the Management of Cervical Spine Disorders," Orthopaedic Section Programming, Combined Sections Meeting, American Physical Therapy Association, Nashville, TN, Feb 2004.
17. "Evaluating Harm and Perceived Harm, Manual Physical Therapy: Evidence and Evolution in the Management of Cervical Spine Disorders," Orthopaedic Section Programming, Combined Sections Meeting, American Physical Therapy Association, Nashville, TN, Feb 2004.
18. "Summary and Application of Direct Access Evidence," Primary Care Education Group Programming, Combined Sections Meeting, American Physical Therapy Association, Nashville, TN, Feb 2004.
19. "Practical Application of Direct Access Evidence and Outcomes," Primary Care Education Group Programming, Combined Sections Meeting, American Physical Therapy Association, Nashville, TN, Feb 2004.
20. "Which Patients with Low Back Benefit from Spinal Manipulation," Central District Meeting, Texas Physical Therapy Association, San Antonio, TX, Mar 2004.
21. "Spinal Manipulation for Low Back Pain: Becoming a Change Agent," Department of Physical Therapy, Arcadia University, Glenside, PA, May 2004.
22. "The Cervicothoracic Spine: An Evidence-based Approach to Manipulative Intervention," Kentucky Orthopedic Rehab Team, Louisville, KY, Jun 2004.
23. "Examination and Interventions for Patients with Cervical Spine Disorders," Preconference course, Advanced Clinical Practice Series, Annual Conference, American Physical Therapy Association, Chicago, IL, Jun 2004.
24. "Benefits of Funding from the Foundation for Physical Therapy: An Emerging Research Agenda," Board of Trustees meeting, Annual Conference, American Physical Therapy Association, Chicago, IL, Jun 2004.
25. "Grant Funding from Professional Organizations: A How to Guide," U.S. Army Post-professional Doctoral Program in Orthopaedic Manual Physical Therapy, Brooke Army Medical Center, San Antonio, TX, Aug 2004.
26. "Evidence-based Examination and Interventions for Patients with Disorders of the Lumbar Spine, Pelvis, and Hip," Kentucky Orthopedic Rehab Team, Louisville, KY, Aug 2004.
27. "Examination, Diagnosis, and Interventions for Patients with Lumbar Instability: An Evidence-based Approach," Annual Conference, Texas Physical Therapy Association, Austin, TX, Oct 2004.
28. "The COL Douglas A. Kersey Advanced Clinical and Operational Practice Course for Physical Therapy Officers," Army Medical Department Center & School, Fort Sam Houston, San Antonio, TX, Oct 2004.
29. "Translating Evidence into Policy and Practice: An Example Using Spinal Manipulation," Rehabilitation Outcomes and Brain Rehabilitation Research Center's Monthly Research Seminar Series, Brooks Center, University of Florida, Gainesville, FL, Nov 2004.
30. "Clinical Prediction Rules," Orthopaedic Section Research Exchange, Combined Sections Meeting, American Physical Therapy Association, New Orleans, LA, Feb 2005.
31. "Evidence-based Examination and Selected Interventions for Patients with Disorders of the Lumbopelvic Spine and Hip," Evidence In Motion, Therapy Services, University Medical Center, Tucson, AZ, Apr 2005.

32. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic and Hip Disorders," Department of Physical Therapy, University of Texas Health Science Center, San Antonio, TX, Apr 2005.
33. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic and Hip Disorders," Evidence In Motion, Center for Sports Medicine, Concord Rehabilitation Hospital, Concord, NH, Apr 2005.
34. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic and Hip Disorders," Evidence In Motion, Rehab Service/Health & Fitness, Thomas Hospital, Fairhope, AL, Apr 2005.
35. "Examination and Interventions for Patients with Cervical Spine Disorders," Advanced Clinical Practice Series, American Physical Therapy Association, Dartmouth Hitchcock Medical Center, Hanover, New Hampshire, Apr 2005.
36. "Evidence-based Examination and Selected Interventions for Patients with Lumbar Spine Disorders," Air Force OZO Course, Wilford Hall Medical Center, Lackland Air Force Base, San Antonio, TX, May 2005.
37. "Identification, Evaluation and Treatment of the Older Adult with Complicated Low Back Pain: What Are the Physical Considerations?," Annual Scientific Meeting, American Geriatrics Society, Orlando, Florida, May 2005.
38. "Defining Autonomy and Quality Care for Physical Therapist Practice," U.S. Air Force Physical Therapy/Occupational Therapy Management Symposium, Sheppard Air Force Base, Wichita Falls, TX, May 2005.
39. "Examination, Diagnosis, and Interventions for Patients With Lumbar Instability: An Evidence-based Approach," Preconference course, Advanced Clinical Practice Series, Annual Conference, American Physical Therapy Association, Boston, MA, Jun 2005.
40. "Evidence-based Examination and Selected Interventions for Patients with Extremity Disorders," Kentucky Orthopedic Rehab Team, Louisville, KY, Jun 2005.
41. "Evidence-based Practice and Quality Care in Physical Therapist Practice," Department of Physical Therapy and Division of Distance and Continuing Education, Western Carolina University, Cullowhee, NC, Aug 2005.
42. "Examination and Interventions for Patients with Cervical Spine Disorders," Advanced Clinical Practice Series, American Physical Therapy Association, Medical College of Ohio, Toledo, OH, Aug 2005.
43. "Examination and Interventions for Patients with Lumbar Spine Disorders," Advanced Clinical Practice Series, American Physical Therapy Association, George Washington University, Washington, DC, Aug 2005.
44. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Evidence In Motion, University of Texas Health Science Center, San Antonio, TX, Sep 2005.
45. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Evidence In Motion, Long Island University, Brooklyn, NY, Sep 2005.
46. "The COL Douglas A. Kersey Advanced Clinical and Operational Practice Course for Physical Therapy Officers," Army Medical Department Center & School, Fort Sam Houston, San Antonio, TX, Oct 2005.
47. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic and Hip Disorders," Evidence In Motion, Creighton University, Omaha, NE, Oct 2005.
48. "Examination, Diagnosis, and Interventions for Patients with Lumbar Instability: An Evidence-based Approach," Advanced Clinical Practice Series, American Physical Therapy Association, George Washington University, Washington, DC, Oct 2005.
49. "Distinguishing Your Practice: Marketing Evidence-based Practice," Annual Conference & Exposition of the Private Practice Section, Phoenix, AZ, Oct 2005.
50. "Integrating Evidence into Private Practice," Annual Conference & Exposition of the Private Practice Section, Phoenix, AZ, Oct 2005.
51. "Rehabilitative Imaging: Innovation to Improve Clinical Practice Integrating Evidence into Private Practice," Annual Conference & Exposition of the Private Practice Section, Phoenix, AZ, Oct 2005.

52. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Evidence In Motion, Spooner Physical Therapy, Scottsdale, AZ, Oct 2005.
53. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Evidence In Motion, Summit Injury Management, Victoria, British Columbia, Nov 2005.
54. "The Race for Scientific Ownership of Manipulation," Foundation for Physical Therapy, Marquette University, Milwaukee, WI, Nov 2005.
55. "Management of the Client with Cervical Radiculopathy," Preview 2020, American Physical Therapy Association, Las Vegas, NV, Nov 2005.
56. "Management of the Client with Whiplash Associated Disorder," Preview 2020, American Physical Therapy Association, Las Vegas, NV, Nov 2005.
57. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Evidence In Motion, Drayer Physical Therapy, Harrisburg, PA, Jan 2006.
58. "Research Exchange: Clinical Prediction Rules," Orthopaedic Section, American Physical Therapy Association, Combined Sections Meeting, American Physical Therapy Association, San Diego, CA, Feb 2006.
59. "Evaluation and Management of Lumbar and Pelvic Dysfunction in the Performing Artist," Performing Arts Special Interest Group, Orthopaedic Section, American Physical Therapy Association, Combined Sections Meeting, American Physical Therapy Association, San Diego, CA, Feb 2006.
60. "Validation of a Clinical Prediction Rule to Identify Patients with Low Back Pain Likely to Benefit from Spinal Manipulation," Steven J. Rose Lecture, Orthopaedic Section, American Physical Therapy Association, Combined Sections Meeting, American Physical Therapy Association, San Diego, CA, Feb 2006.
61. "Integrating Evidence into Private Practice," Private Practice Section, Combined Sections Meeting, American Physical Therapy Association, San Diego, CA, Feb 2006.
62. "Evidence-based Examination and Selected Interventions for Patients with Lumbar Spine Disorders," Air Force OZO Course, Wilford Hall Medical Center, Lackland Air Force Base, San Antonio, TX, Feb 2006.
63. "Evidence-based Examination and Selected Interventions for Patients with Spine Disorders," Evidence In Motion, Montefiore Medical Center, New York, NY, Mar 2006.
64. "Teaching Manipulation: An Instructors's Workshop," Evidence In Motion, Bellin Health System, Green Bay, WI, Mar 2006.
65. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Evidence In Motion, Appleton Health System, Appleton, WI, Mar 2006.
66. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Evidence In Motion, Therapy Services, University Medical Center, Tucson, AZ, Apr 2006.
67. "Examination and Interventions for Patients with Lumbar Instability," Advanced Clinical Practice Series, University of Alabama at Birmingham, Birmingham, AL, Apr 2006.
68. "Use of Clinical Prediction Rules and Ultrasound Imaging," Rehabilitative Ultrasound Imaging Symposium, Advances in Medical Practice Program, Office of the Surgeon General and US Army-Baylor University Doctoral Program in Physical Therapy, San Antonio, TX, May 2006.
69. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Evidence In Motion, Center for Sports Medicine, Concord Rehabilitation Hospital, Concord, NH, May 2006.
70. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Evidence In Motion, Rehab Service/Health & Fitness, Thomas Hospital, Fairhope, AL, Jun 2006.
71. "The Race for Ownership of Low Back Pain: Evidence Trumps Politics," Distinguished Lecture Series, Texas Woman's University, Houston, TX, Jul 2006.
72. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Evidence In Motion, Department of Physical Therapy, University of Colorado Health Sciences Center, Denver, CO, Aug 2006.

73. "The COL Douglas A. Kersey Advanced Clinical and Operational Practice Course for Physical Therapy Officers," Army Medical Department Center & School, Fort Sam Houston, San Antonio, TX, Sep 2006.
74. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Department of Physical Therapy, University of Texas Health Science Center, San Antonio, TX, Sep 2006.
75. "What Insurances Know about EBM and How It Can Affect You," Annual Conference & Exposition of the Private Practice Section, Miami, FL, Oct 2006.
76. "Treatment-based Classification of Low Back Pain," Drayer National Conference Rehabilitation and Sports Medicine, Drayer Physical Therapy Institute, Hilton Head, SC, Oct 2006.
77. "Manual Physical Therapy Versus Stabilization for Low Back Pain," Drayer National Conference Rehabilitation and Sports Medicine, Drayer Physical Therapy Institute, Hilton Head, SC, Oct 2006.
78. "The Race for Ownership of Low Back Pain: Evidence Trumps Politics," National Student Conclave, American Physical Therapy Association, Dallas, TX, Oct 2006.
79. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Evergreen Physical Therapy, Reed City, MI, Nov 2006.
80. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Colorado Sports and Spine Centers, Colorado Springs, CO, Dec 2006.
81. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," University of Pittsburgh, Pittsburgh, PA, Jan 2007.
82. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Park Nicollet, St. Louis Park, MN, Jan 2007.
83. "Integrating Evidence into Private Practice," Combined Sections Meeting, American Physical Therapy Association, Boston, MA, Feb 2007.
84. "Research Information Exchange Center," Combined Sections Meeting, American Physical Therapy Association, Boston, MA, Feb 2007.
85. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Annual Conference, Florida Physical Therapy Association, Orlando, FL, Mar 2007.
86. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Alamance Regional Medical Center, Burlington, NC, Mar 2007.
87. "Professional Issues," Air Force OZO Course, Wilford Hall Medical Center, San Antonio, TX, Mar 2007.
88. "The Race for Ownership of Low Back Pain: Evidence Trumps Politics," Department of Physical Therapy, West Virginia University, Morgantown, WV, Apr 2007.
89. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," National Yang-Ming University, Taipei, Taiwan, May 2007.
90. "Workshop on Manual Therapy and Exercise Approach for Spinal Disorders," National Yang-Ming University, Taipei, Taiwan, May 2007.
91. "Manual Therapy Management of the Lumbopelvic Spine," Annual Conference, American Physical Therapy Association, Denver, CO, Jun 2007.
92. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Texas Physical Therapy Specialists, San Antonio, TX, Jul 2007.
93. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Orthopedics Plus Physical Therapy, Russellville, KY, Aug 2007.
94. "Physical Therapists and the 21st Century Health Care Food Chain," Charles Magistro Lecture, Arcadia University, Glenside, PA, Sep 2007.
95. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Alamance Regional Medical Center, Burlington, NC, Sep 2007.
96. "The COL Douglas A. Kersey Advanced Clinical and Operational Practice Course for Physical Therapy Officers," Army Medical Department Center & School, Fort Sam Houston, San Antonio, TX, Sep 2007.
97. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," ProRehab, Evansville, IN, Sep 2007.

98. "The Race for Ownership of Low Back Pain: Leaving No Stone Unturned," University of Iowa, Iowa City, IA, Oct 2007.
99. "Clinical Algorithm for Selecting Manual Therapy Techniques," Drayer Physical Therapy Institute National Conference, Drayer Physical Therapy Institute, Hilton Head, SC, Oct 2007.
100. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," San Luis Sports Therapy, San Luis Obispo, CA, Nov 2007.
101. "Physical Therapists and the 21st Century Health Care Food Chain: Direct Employer Contracting is the Way Forward," Annual Conference & Exposition of the Private Practice Section, San Diego, CA, Nov 2007.
102. "Evidence-based Practice in Your Clinic," Proaxis Therapy, Greenville, SC, Nov 2007.
103. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Proaxis Therapy, Greenville, SC, Nov 2007.
104. "Low Back Pain in Athletes: A Review," Swiss Sports Physical Therapy Association, Bern, Switzerland, Nov 2007.
105. "Spinal manipulation In Patients with Low Back Pain: An Evidence-based Update," Swiss Sports Physical Therapy Association, Bern, Switzerland, Nov 2007.
106. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Park Nicollet, St. Louis Park, MN, Jan 2008.
107. "Manual Physical Therapy and the Current State of Musculoskeletal Care in the US: Feast or Famine," Combined Sections Meeting, American Physical Therapy Association, Nashville, TN, Feb 2008.
108. "Classification of Patients with Neck Pain: The Next Frontier," Combined Sections Meeting, American Physical Therapy Association, Nashville, TN, Feb 2008.
109. "Research Information Exchange Center," Combined Sections Meeting, American Physical Therapy Association, Nashville, TN, Feb 2008.
110. "The Eugene Michels Forum: Contrasting Approaches to Physical Therapy Diagnosis: Examples from Pediatrics and Musculoskeletal Physical Therapy," Combined Sections Meeting, American Physical Therapy Association, Nashville, TN, Feb 2008.
111. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Physical Therapy South, Lafayette, LA, Feb 2008.
112. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Providence Health, Portland, OR, Mar 2008.
113. "Professional Issues," Air Force OZO Course, Wilford Hall Medical Center, San Antonio, TX, Mar 2008.
114. "Critical Review of Literature," Colonel Mary Lipscomb Hamrick Research Course, San Antonio, TX, Apr 2008
115. "Grant Funding in the DoD," Colonel Mary Lipscomb Hamrick Research Course, San Antonio, TX, Apr 2008
116. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," St. Joseph's Medical Center, Bloomington, IL, Apr 2008.
117. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Mountain River Physical Therapy, Parkersburg, WV, Jun 2008.
118. "Physical Therapists and the 21st Century Health Care Food Chain: Direct Employer Contracting is the Way Forward," Annual Conference, American Physical Therapy Association, San Antonio, TX, Jun 2008.
119. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Benchmark Physical Therapy, Atlanta, GA, Aug 2008.
120. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," New Mexico State Chapter of the American Physical Therapy Association, Albuquerque, NM, Sep 2008.
121. "Physical Therapists and the 21st Century Health Care Food Chain," University of Mary, Bismarck, ND, Sep 2008.
122. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," North Dakota State Chapter of the American Physical Therapy Association, Bismarck, ND, Sep 2008.

123. "Evidence-based Practice in Military Physical Therapy," COL Douglas A. Kersey Advanced Clinical and Operational Practice Course for Physical Therapy Officers, Army Medical Department Center & School, Fort Sam Houston, San Antonio, TX, Oct 2008.
124. "Lumbopelvic Evidence-Based Practice: Review & Update," COL Douglas A. Kersey Advanced Clinical and Operational Practice Course for Physical Therapy Officers, Army Medical Department Center & School, Fort Sam Houston, San Antonio, TX, Oct 2008.
125. "Cervical Spine Manipulation: Harm & Risk Discussion," COL Douglas A. Kersey Advanced Clinical and Operational Practice Course for Physical Therapy Officers, Army Medical Department Center & School, Fort Sam Houston, San Antonio, TX, Oct 2008.
126. "Clinical Algorithm for Selecting Manual Therapy Techniques," Drayer Physical Therapy Institute National Conference, Drayer Physical Therapy Institute, Hilton Head, SC, Oct 2008.
127. "Manual Therapy Techniques for the Lumbar Spine," Drayer Physical Therapy Institute National Conference, Drayer Physical Therapy Institute, Hilton Head, SC, Oct 2008.
128. "Pathomechanics of the Cervical Spine," Drayer Physical Therapy Institute National Conference, Drayer Physical Therapy Institute, Hilton Head, SC, Oct 2008.
129. "Manual Therapy Techniques for the Cervical and Thoracic Spine," Drayer Physical Therapy Institute National Conference, Drayer Physical Therapy Institute, Hilton Head, SC, Oct 2008.
130. "Building EBP Systems in Private Practice," Annual Conference & Exposition of the Private Practice Section, Orlando, FL, Nov 2008.
131. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," i dioscuri, Associazione Interprofessionale e Tecnico Scientifica di Fisioterapia, Siena, Italy, Nov 2008.
132. "Actualizing Physical Therapists as Direct Access Practitioners," Combined Sections Meeting, American Physical Therapy Association, Las Vegas, NV, Feb 2009.
133. "Use of the International Classification of functioning to Develop Evidence-based Practice Guidelines for Common Musculoskeletal Conditions: A Progress Update," Combined Sections Meeting, American Physical Therapy Association, Las Vegas, NV, Feb 2009.
134. "Orthopaedic Section Research Agenda: Public Hearing," Combined Sections Meeting, American Physical Therapy Association, Las Vegas, NV, Feb 2009.
135. "Research Information Exchange," Combined Sections Meeting, American Physical Therapy Association, Las Vegas, NV, Feb 2009.
136. "Clinical Decision-Making for Patients with Low Back and Neck Pain," Combined Sections Meeting, American Physical Therapy Association, Las Vegas, NV, Feb 2009.
137. "Officer Education/Research Update," U.S. Air Force Physical Therapy/Occupational Therapy Management Symposium, Las Vegas, NV, Feb 2009.
138. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Physical Therapy South, Lafayette, LA, Mar 2009.
139. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," PRO-Active Physical Therapy, Syracuse, NY, Mar 2009.
140. "Evidence-Based Management of Low Back Pain: The Role of Conservative Therapy," Optum Health Disease Management Trends and Wellness Initiatives, Scottsdale, Arizona, Mar 2009.
141. "Physical Therapists Rescue General Motors from the Brink of Bankruptcy," Ohio State University, Columbus, OH, Apr 2009.
142. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Ohio State University, Columbus, OH, Apr 2009.
143. "Professional Issues," Air Force OZO Course, Wilford Hall Medical Center, San Antonio, TX, Apr 2009.
144. "Use of Technology in Evidence-based Practice," Air Force OZO Course, Wilford Hall Medical Center, San Antonio, TX, Apr 2009.
145. "Using Outcome Measures in Clinical Practice," Air Force OZO Course, Wilford Hall Medical Center, San Antonio, TX, Apr 2009.
146. "Publish or Perish," Colonel Mary Lipscomb Hamrick Research Course, San Antonio, TX, Apr 2009.
147. "Physical Therapists Rescue General Motors from the Brink of Bankruptcy," University of Texas Health Sciences Center, San Antonio, TX, Apr 2009.

148. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Phoenix Rehab, Mt. Pleasant, PA, Aug 2009.
149. "Classification of Patients with Neck Pain: The Next Frontier," Annual Conference of the California Physical Therapy Association, Pasadena, CA, Oct 2009.
150. "The Race for Ownership of Low Back Pain," Kaiser Permanente Los Angeles Orthopaedic Manual Therapy Fellowship, Los Angeles, CA, Oct 2009.
151. "Evidence-based Practice in Military Physical Therapy," COL Douglas A. Kersey Advanced Clinical and Operational Practice Course for Physical Therapy Officers, Army Medical Department Center & School, Fort Sam Houston, San Antonio, TX, Oct 2009.
152. "Lumbopelvic Evidence-Based Practice: Review & Update," COL Douglas A. Kersey Advanced Clinical and Operational Practice Course for Physical Therapy Officers, Army Medical Department Center & School, Fort Sam Houston, San Antonio, TX, Oct 2009.
153. "Cervical Spine Manipulation: Harm & Risk Discussion," COL Douglas A. Kersey Advanced Clinical and Operational Practice Course for Physical Therapy Officers, Army Medical Department Center & School, Fort Sam Houston, San Antonio, TX, Oct 2009.
154. "The Customer Experience: Drive Your Practice Towards Success," Annual Conference & Exposition of the Private Practice Section, Colorado Springs, CO, Nov 2009.
155. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," i dioscuri, Associazione Interprofessionale e Tecnico Scientifica di Fisioterapia, Siena, Italy, Nov 2009.
156. "Officer Education/Research Update," U.S. Air Force Physical Therapy/Occupational Therapy Management Symposium, San Diego, CA, Feb 2010.
157. "Research Information Exchange," Combined Sections Meeting, American Physical Therapy Association, San Diego, CA, Feb 2010.
158. "Scientific Advisory Panel: Low Back Pain," U.S. Air Force Physical Therapy/Occupational Therapy Management Symposium, San Diego, CA, Feb 2010.
159. "Evidence In Motion Open Line Night," Evidence In Motion, San Antonio, TX, Mar 2010.
160. "Physical Therapists Rescue General Motors from the Brink of Bankruptcy," Arizona Physical Therapy Association, Tucson, AZ, Apr 2010.
161. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine & Hip Disorders," Carondelet Health System, Tucson, AZ, Apr 2010.
162. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," College of Mt. St. Joseph Health Science Center, Apr 2010.
163. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine & Hip Disorders," Alabama Chapter of the American Physical Therapy Association Spring Conference, Orange Beach, AL, May 2010.
164. "Spinal Manipulation Update: Do We Have Too Many Choices???", Manipalooza, Evidence In Motion, Denver, CO, May 2010.
165. "Low Back Pain Update: Evolution of the Low Back Pain Classification System," Manipalooza, Evidence In Motion, Denver, CO, May 2010.
166. "Implications of Referral to Physical Therapy or Chiropractic Care in U.S. Employer Sponsored Health Plans," San Antonio Military Physical Therapy Research Community, San Antonio, TX, Jul 2010.
167. "Evidence-based Examination and Selected Interventions for Patients with Cervicothoracic Disorders," Carondelet Health System, Tucson, AZ, Jul 2010.
168. "Low Back Pain Management," University of Mary, Bismarck, ND, Sep 2010.
169. "Evidence-based Examination and Selected Interventions for Patients with Cervicothoracic Disorders," North Dakota State Chapter of the American Physical Therapy Association, Bismarck, ND, Sep 2010.
170. "Creating a Healthy Practice — Clinical Excellence Begins with a World Class Customer Experience," American Academy of Orthopaedic Manual Physical Therapists, San Antonio, TX, Oct 2010.
171. "Anatomical and Biomechanical Review of Low Back Structures," 2010 Annual Musculoskeletal Conference: The Dilemma of Low Back Pain, Benchmark Physical Therapy, Braselton, GA, Oct 2010.

172. "Advanced Low Back Evaluation Lab," 2010 Annual Musculoskeletal Conference: The Dilemma of Low Back Pain, Benchmark Physical Therapy, Braselton, GA, Oct 2010.
173. "Evidence Based Treatment Approaches for Low Back Pain," 2010 Annual Musculoskeletal Conference: The Dilemma of Low Back Pain, Benchmark Physical Therapy, Braselton, GA, Oct 2010.
174. "Quality Improvement in Physical Therapy," COL Douglas A. Kersey Advanced Clinical and Operational Practice Course for Physical Therapy Officers, Army Medical Department Center & School, Fort Sam Houston, San Antonio, TX, Oct 2010.
175. "Lumbopelvic Evidence-Based Practice: Review & Update," COL Douglas A. Kersey Advanced Clinical and Operational Practice Course for Physical Therapy Officers, Army Medical Department Center & School, Fort Sam Houston, San Antonio, TX, Oct 2010.
176. "Regional Interdependence: Lumbar Spine & Lower Member," COL Douglas A. Kersey Advanced Clinical and Operational Practice Course for Physical Therapy Officers, Army Medical Department Center & School, Fort Sam Houston, San Antonio, TX, Oct 2010.
177. "Cervical Spine Manipulation: Harm & Risk Discussion," COL Douglas A. Kersey Advanced Clinical and Operational Practice Course for Physical Therapy Officers, Army Medical Department Center & School, Fort Sam Houston, San Antonio, TX, Oct 2010.
178. "Creating a Healthy Practice — Clinical Excellence Begins with a World Class Customer Experience," Annual Conference & Exposition of the Private Practice Section, Washington, DC, Nov 2010.
179. "Evidence-Based Management of Low Back Pain: The Role of Conservative Therapy," Society of Air Force Physician Assistants, San Antonio, TX, Nov 2010.
180. "Mentor Leadership," Emerging Leaders Course, Texas Physical Therapy Specialists, New Braunfels, TX, Jan 2011.
181. "Identifying Subgroups of Patients with Low Back Pain: The Importance of Classification-based Management (Part I)," 23rd Annual Medical College of Wisconsin Sports Medicine Symposium, Milwaukee, WI, Mar 2011.
182. "Identifying Subgroups of Patients with Low Back Pain: The Importance of Classification-based Management (Part II)," 23rd Annual Medical College of Wisconsin Sports Medicine Symposium, Milwaukee, WI, Mar 2011.
183. "Evidence-based Manual Therapy & Exercise for Low Back Pain," 23rd Annual Medical College of Wisconsin Sports Medicine Symposium, Milwaukee, WI, Mar 2011.
184. "Identifying Subgroups of Patients with Neck Pain: Current Concepts," 23rd Annual Medical College of Wisconsin Sports Medicine Symposium, Milwaukee, WI, Mar 2011.
185. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine & Hip Disorders," Evidence In Motion, University of Puget Sound School of Physical Therapy (Sponsored by Apple Physical Therapy), Tacoma, WA, Apr 2011.
186. "Cervical Spine Manipulation: Harm & Risk Discussion," Air Force OZO Course, Wilford Hall Medical Center, San Antonio, TX, Apr 2011.
187. "Timing Matters More Than Your Hands," Manipalooza, Evidence In Motion, Denver, CO, May 2011.
188. "Business Development," Executive Program in Private Practice Management, Evidence In Motion, San Diego, CA, Jul 2011.
189. "Clinical Decision-making for Patients with Low Back and Neck Pain: A New Dawn for Physical Therapists," Louisiana Physical Therapy Association, Baton Rouge, LA, Sep 2011.
190. "Clinical Decision-making for Patients with Low Back Pain," Arizona Physical Therapy Association, Phoenix, AZ, Oct 2011.
191. "Clinical Decision-making for Patients with Low Back Pain," Wisconsin Physical Therapy Association, Madison, WI, Oct 2011.
192. "The Black Hole of Billing: Meet Your Personal Billing Concierge!," Annual Conference & Exposition of the Private Practice Section, Seattle, WA, Nov 2011.
193. "Low Back Pain for Primary Care Providers: An Evidence Based Approach," Butte Premier Physical Therapy & Table Mountain Physical Therapy, Chico, CA, Nov 2011.
194. "Defining Value in Physical Therapy Care: More is Not Better, Less is Not Better, Better is Better," Combined Sections Meeting, American Physical Therapy Association, Chicago, IL, Feb 2012.

195. "The Leadership Challenge," Executive Leadership & Development ("PTville"), Evidence In Motion Institute of Health Professions, Louisville, KY, Sep 2012.
196. "Classification Using Clinical Prediction Rules," 12th International Conference in Mechanical Diagnosis and Therapy, The McKenzie Institute International, Austin, TX, Oct 2012.
197. "The Case for Stabilisation," 12th International Conference in Mechanical Diagnosis and Therapy, The McKenzie Institute International, Austin, TX, Oct 2012.
198. "Defining Value in Physical Therapy: More is Not Better, Less is Not Better, Better is Better," Annual Conference & Exposition of the Private Practice Section, Las Vegas, NV, Oct 2012.
199. "Clinical Prediction Rules: Used, Abused, & Overused," Research Seminar, Evidence In Motion Orthopaedic Manual Physical Therapy Fellowship, San Antonio, TX, Feb 2013.
200. "Classification Using Clinical Prediction Rules," University of São Paulo, Ribeirão Preto, São Paulo, Brazil, Nov 2012.
201. "Low Back Pain Rehabilitation Based on Subgrouping Classification System," Instituto Wilson Mello, Campinas, São Paulo, Brazil, Nov 2012.
202. "Research Update," U.S. Air Force Physical Therapy/Occupational Therapy Management Symposium, Point Loma Naval Base, San Diego, CA, Jan 2013.
203. "Comparative Effectiveness Research: Is the RCT Dead?," Research Seminar, Evidence In Motion Orthopaedic Manual Physical Therapy Fellowship, San Antonio, TX, Feb 2013.
204. "How Do We Get Data in the Hands of 3rd Party Payers' Hands and that Influence Payment Policy in the Future?," 6th Annual Graham Sessions, Private Practice Section, American Physical Therapy Association, Memphis, TN, Feb 2013.
205. "Subgrouping Patients With Neck Pain: A Research Update," Rehabilitation Institute of Chicago Cervical Spine Symposium, Chicago, IL, Mar 2013.
206. "Measures of Association in Treatment Studies: Absolute and Relative Risk," Research Seminar, Evidence In Motion Orthopaedic Manual Physical Therapy Fellowship, San Antonio, TX, Apr 2013.
207. "Implications of Practice Setting on Clinical Outcomes and Efficiency of Care in the Delivery of Physical Therapy Services," Focus on Therapeutic Outcomes Conference, Knoxville, TN, Apr 2013.
208. "Commencement Address," Evidence In Motion Institute of Health Professions (Manipalooza), Denver, CO, May 2013.
209. "Subgrouping Patients with Neck Pain," Instituto Wilson Mello, Campinas, São Paulo, Brazil, May 2013.
210. "Measures of Association in Treatment Studies: The Number Needed to Treat," Research Seminar, Evidence In Motion Orthopaedic Manual Physical Therapy Fellowship, San Antonio, TX, May 2013.
211. "Advancing the Evidence Base in Rehabilitation for Military Personnel and Veterans: PTJ Symposium," Annual Conference of the American Physical Therapy Association, Salt Lake City, UT, Jun 2013.
212. "Low Back Pain Subgrouping: The Past, Present, & Future," Annual Conference of the California Physical Therapy Association, Pasadena, CA, Sep 2013.
213. "Clinical Decision-making for Low Back Pain: It's Much More than Your Hands," Annual Conference of the California Physical Therapy Association, Pasadena, CA, Sep 2013.
214. "Leadership Challenge," PTville, Texas Physical Therapy Specialists, Dallas, TX, Oct 2013.
215. "Managing What You Measure & Then Some," PTville, Texas Physical Therapy Specialists, Dallas, TX, Oct 2013.
216. "Low Back Pain Rehabilitation Based on Subgrouping Classification System," Instituto Wilson Mello, Campinas, São Paulo, Brazil, Nov 2013.
217. "Getting Your Practice Involved in Clinical Research: Pearls, Perils, & Pitfalls," Research Seminar, Evidence In Motion Orthopaedic Manual Physical Therapy Fellowship, San Antonio, TX, Nov 2013.
218. "Physical Therapy Journal Special Issue: Advancing the Evidence Base in Military Personnel and Veterans," Canadian Institute for Military and Veteran Health Research, Edmonton, Alberta, Canada, Nov 2013.

219. "Forming Effective Military and Civilian Academic Research Collaborations: Leveraging Our Mutual Strengths," Graduate School Research Day, Academy of Health Sciences, San Antonio, TX, Dec 2013.
220. "Health Services Research in the Physical Therapy Industry: Paving the Way Forward," Combined Sections Meeting, American Physical Therapy Association, Las Vegas, NV, Feb 2014.
221. "Management of Lumbopelvic Disorders," Evidence In Motion, Canadian Back Institute, Victoria, British Columbia, Mar 2014.
222. "Everything I Wish I Knew When I Went to PT School," Northern Arizona University – Phoenix Biomedical Campus, Phoenix, AZ, Apr 2014.
223. "Student Assembly Forum," NEXT, American Physical Therapy Association, Charlotte, NC, Jun 2014.
224. "Innovative Educational Methods and Programs to Accelerate Development of the Workforce," Preparing the Next Generation of Physical Therapists for Innovative Practice: Physical Therapy Leaders Networking to Transform Health Care, Woods Duncan Consulting, George Washington University, Washington, DC, Jul 2014.
225. "DPT Student Conversation Starter Roundtable," University of Mary, Bismarck, ND, Sep 2014.
226. "Thrust vs. Non-Thrust Manipulation: What Does the Evidence Tell Us?," American Academy of Orthopaedic Manual Physical Therapists, San Antonio, TX, Oct 2014.
227. "Clinical Research: Pearls, Pitfalls and Perils," American Academy of Orthopaedic Manual Physical Therapists, San Antonio, TX, Oct 2014.
228. "Grow your Practice with Exceptional Interns & Residents," Private Practice Section of the American Physical Therapy Association, Colorado Springs, CO, Nov 2014.
229. "Women Leading in Physical Therapy: Does our Profession Welcome Us When We 'Lean In'?" Combined Sections Meeting, American Physical Therapy Association, Indianapolis, IN, Feb 2015.
230. "What I Wish I Had Learned in PT School," Physiotherapy Association of British Columbia, University of British Columbia, Vancouver, British Columbia, Feb 2015.
231. "Management of Lumbopelvic Disorders," Evidence In Motion, University of British Columbia, Vancouver, British Columbia, Feb 2015.
232. "Taste of EIM: Transforming Aging," Evidence In Motion, Chicago, IL, Apr 2015.
233. "Is Residency the Future of PT Education," FOTO Conference, Knoxville, TN, Apr 2015.
234. "Roadmap to Residency Training," University of the Incarnate Word, San Antonio, TX, Apr 2015.
235. "Stratified Models of Care for Low Back Pain," World Confederation of Physical Therapy, Singapore, Singapore, May 2015.
236. "Update on Texas Worker's Compensation & Payer Issues," Unencumbered Conference, Texas Physical Therapy Association and Physical Therapy Business Alliance, Dallas, TX, May 2015.
237. "What Can Texans Expect to See with Direct Patient Access to Physical Therapy," Unencumbered Conference, Texas Physical Therapy Association and Physical Therapy Business Alliance, Dallas, TX, May 2015.
238. "Timing Matters As Much as Your Hands: PT is the Best First Choice," PTPN, San Antonio, TX, Jul 2015.
239. "Health Services Research: Story of Low Back Pain," Program Director Meeting & Tradeshow, Paragon Rehabilitation, Cincinnati, OH, Sep 2015.
240. "The Use of Big Data to Assess Benefits from Physical Therapy Care," Annual Conference, American Academy of Orthopaedic Manual Physical Therapists, Louisville, KY, Oct 2015.
241. "The BIO of a Biopsychosocial Approach in Manual Therapy," Annual Conference, American Academy of Orthopaedic Manual Physical Therapists, Louisville, KY, Oct 2015.
242. "Academic Insights and Reflections for Entry Level Physical Therapy Education and Beyond: A Round Table Discussion with Distinguished Instructors in Physical Therapy Education," Annual Conference, American Academy of Orthopaedic Manual Physical Therapists, Louisville, KY, Oct 2015.
243. "General Session Panel," Annual Conference, American Academy of Orthopaedic Manual Physical Therapists, Louisville, KY, Oct 2015.

244. "The Fountain of Youth: How Millennial Employees can Revitalize Your Practice," Private Practice Section of the American Physical Therapy Association, Orlando, FL, Nov 2015.
245. "Grow Your Practice With Exceptional Interns & Residents," Combined Sections Meeting, Anaheim, CA, Feb 2016.
246. "One Size Does Not Fit All: Exploring Orthopaedic Residency Models and Which One is Right for You," Combined Sections Meeting, Anaheim, CA, Feb 2016.
247. "Behaviors That Define A-Players: What I Wished I Knew When I Was in PT School," Student Special Interest Group, Arizona Physical Therapy Association, Phoenix, AZ, Apr 2016.
248. "Best Care for Low Back Pain," Nebraska Physical Therapy Association, Grand Island, NE, Apr 2016.
249. "Beyond Women in the Boardroom: Cognitive Diversity in Private Practice," NEXT, American Physical Therapy Association, Nashville, TN, Jun 2016.
250. "The Oxford Debate: All Hands On Tech," NEXT, American Physical Therapy Association, Nashville, TN, Jun 2016.
251. "Spinal Manipulation," Clinical Conference 2016, International Spine & Pain Institute, Minneapolis, MN, Jun 2016.
252. "Coping With Persistent Back Pain - Business Management," Clinical Conference 2016, International Spine & Pain Institute, Minneapolis, MN, Jun 2016.
253. "Evolution of DPT Education," Northern Arizona University, Flagstaff, AZ, Aug 2016.
254. "Fundamental Change Takes Time: Influencing DPT Education," PT Execs & Executive Program in Private Practice Management, San Diego, CA, Aug 2016.
255. "Innovative Educational Methods to Accelerate Development of the Workforce," Ron Peyton Innovation Lecture, Duke University School of Medicine, Durham, NC, Sep 2016 (<https://duke.mediasite.com/Mediasite/Play/2661e3e315a5462c833c40f7d718f3361d>).
256. "Modern Low Back Pain Patient: From Evidence-based Treatment to Process of Care," Fall Conference, Iowa Physical Therapy Association, Des Moines, IA, Oct 2016.
257. "Health Services Research: The New Frontier of Physical Therapy Research," Prestige Speaker Day, Doctor of Physical Therapy Program, Cleveland State University, Cleveland, OH, Nov 2016.
258. "Innovative Educational Methods to Accelerate Development of the Workforce," Prestige Speaker Day, Doctor of Physical Therapy Program, Cleveland State University, Cleveland, OH, Nov 2016.
259. "Future of DPT Education Debate with Drs. Jim Gordon and John Childs," 10th Annual Graham Sessions, Private Practice Section, American Physical Therapy Association, Tampa, FL, Jan 2017.
260. "Challenging Traditional Education Views With a 2-Year DPT Model," Combined Sections Meeting, American Physical Therapy Association, San Antonio, TX, Feb 2017.
261. "Challenging Traditional DPT Education: An Accelerated, 2-Year Blended Model," Curriculum Renewal Retreat, Chapman University, Irvine, CA, Mar 2017.
262. "Behaviors that Define A-Players," Jessie M. Ball Lecture, Kansas City University Medical Center, Kansas City, KS, Oct 2017.
263. "Situational Leadership Theory & Performance Management," 3rd Year DPT Students, MGH Institute of Health Professions, Boston, MA, Jul 2018.
264. "The Evolution of Online Physical Therapy Education," Federation of State Boards of Physical Therapy Annual Meeting & Delegate Assembly, Reston, VA, Oct 2018.
265. "How Managers Delegate Effectively," Annual Manager's Conference, BreakThrough Physical Therapy, Raleigh-Durham, NC, Feb 2019.
266. "Transformative Habits: How to Win in Business & Life," Annual Team Meeting, BreakThrough Physical Therapy, Raleigh-Durham, NC, Feb 2019.
267. "Resource Spotlight - Trends in PT: Opioids, CoVid and Recovery," Combined Sections Meeting, American Physical Therapy Association, Virtual, Feb 2021.
268. "Building Movement Practitioners for the Future," Polestar Pilates Hour, Virtual, Mar 2022.
269. "Myth Busting in Physical Therapy Education & Professional Development," Spring Conference, Wisconsin Chapter of the American Physical Therapy Association, Oshkosh, WI, Apr 2022.

270. "Partnerships to Expand Academic and Geographic Reach," P3•EDU Conference, CU Denver, Denver, CO, Sep 2022.
271. "A 'PT First' Health Plan Benefit Experience: An Update & Lessons Learned," Private Practice Section, American Physical Therapy Association, Denver, CO, Nov 2022.
272. "Empowering Clinical Partners to Be the Clinical Education Authority," 16th Annual Graham Sessions, Institute of Private Practice Physical Therapy, Private Practice Section, American Physical Therapy Association, New Orleans, LA, Jan 2023.

GRANT & FUNDING ACTIVITY (ONGOING, PENDING, & COMPLETED):

Ongoing Research Support

D. Rhon, PI 10/01/16-9/30/20 2.4 calendar
DoD USAMRMC FY16 Broad Agency Announcement for \$1,500,000

Extramural Medical Research
(W81XWH-16-R-BAA1) BA150475

Validation of the STarT Back Screening Tool in the Primary Care Management of Low Back Pain in the Military Health System: A Randomized Trial of Risk-stratified vs. Usual Care
The specific aim of this study is to compare clinical outcomes of care (pain, disability, quality of life, fear-avoidance beliefs, depressive symptoms, and patient and provider satisfaction) between risk-stratified care according to the STarT Back Screening Tool and usual care approach in the management of patients with LBP in the primary care setting.

Pending Research Support

N/A

Completed Research Support

J.D. Childs, PI 10/01/13-09/30/16 2.4 calendar
FY14 AFMSA/SG9S Intramural Grant Program \$135,000

Epidural Steroid Injection versus Epidural Steroid Injection and Manual Physical Therapy and Exercise in the Management of Lumbar Spinal Stenosis; A Randomized Clinical Trial
The specific aim of this study is to determine the effectiveness of epidural steroid injections (ESI) versus ESI+PT treatment for patients with degenerative lumbar spinal stenosis in a multi-site randomized clinical trial. We hypothesize that patients who receive ESI+PT will achieve greater improvement in both short and long-term outcomes than patients who receive ESI alone.

R01 10193004 (W. Quillen, PI) 10/1/11-12/31/15 .6 calendar
DoD FY10 Congressional Special Interest Appropriation \$715,256

Musculoskeletal Interdisciplinary Research Initiative
Improving Low Back Muscle Strength in Soldiers: A Randomized Trial
The specific aim of this study is to assess the effectiveness of progressive resistance exercise training program to improve lumbar extensor muscle strength and endurance in Soldiers.

1R01HS019624-01 (G.K. Fitzgerald, PI) 09/01/10-08/31/16 2.4 calendar
Agency for Healthcare Research and Quality \$1,451,723

Enhancing the Effectiveness of Physical Therapy for People with Knee Osteoarthritis
The specific aim of this study is to compare the effects of delivering exercise therapy or exercise therapy supplemented with manual therapy techniques using periodic "booster sessions" versus not using "booster sessions" in reducing pain and improving physical function at one and two year follow-up periods.

S. Koppenhaver, PI 10/01/2014-09/30/15 .6 calendar
Advanced Medical Technology Initiative (AAMTI) \$225,000

Telemedicine & Advanced Technology Research Center (TATRC)
Using Structural Health Monitoring to Improve Diagnosis of Low Back Injury in U.S. Service Members -Phase II

Structural Health Monitoring (SHM) is a novel technology in which vibration signals are passed through spinal tissue to assess the structural integrity of the spine. The specific aim of this study is to improve the diagnosis of low back injuries in U.S. service members by establishing normative parameter and variance estimates of SHM in healthy individuals.

S. Koppenhaver, PI 10/01/2013-09/30/15 .6 calendar

Advanced Medical Technology Initiative (AAMTI) \$248,000

Telemedicine & Advanced Technology Research Center (TATRC)

Using Structural Health Monitoring to Improve Diagnosis of Low Back Injury in U.S. Service Members - Phase I

Structural Health Monitoring (SHM) is a novel technology in which vibration signals are passed through spinal tissue to assess the structural integrity of the spine. The specific aim of this study is to improve the diagnosis of low back injuries in U.S. service members by establishing normative parameter and variance estimates of SHM in healthy individuals.

J.D. Childs, PI 10/01/12-09/30/13 2.4 calendar

FY13 AFMSA/SG9S Intramural Grant Program \$136,000

Validation of the STarT Back Screening Tool in the Primary Care Management of Low Back Pain in the Military Health System: A Randomized Trial of Risk-stratified vs. Usual Care

The specific aim of this study is to validate the clinical and cost effectiveness of the STarT Back Screening Tool in the primary care management of patients with low back pain in the Military Health System.

J.R. Rodeghero 01/01/12-12/31/13 2.4 calendar

American Academy of Orthopaedic and \$6,000

Manual Physical Therapists Research Grant

The Influence of a Hybrid Orthopedic Residency on Clinical Outcomes for Patients with Common Musculoskeletal Impairments Treated by Novice Physical Therapists

The specific aim of this study is to investigate whether completion of a physical therapy orthopedic residency program improves patient outcomes and efficiency of care.

J.D. Childs, PI 12/01/11-11/30/12 2.4 calendar

FY12 AFMSA/SG9S Intramural Grant Program \$127,500

Implications of Timing and Quality of Physical Therapy and Chiropractic Care on Low Back Pain Utilization and Costs in the Military Health System

The specific aim of this study is to examine the cost implications of the decision to refer patients with a new episode of LBP from primary care providers to physical therapy or chiropractic care within the Military Health System.

J.D. Childs, PI 10/01/11-09/30/12 .6 calendar

Texas State University Faculty Funds \$35,000

Effectiveness and Costs of Managing Patients with Low Back Pain Using a Value-based Payment Model

The specific aim of this study is to compare clinical outcomes and costs related to the physical therapy episode of care, and compare subsequent low back pain-related healthcare utilization and costs for patients with a new episode of low back pain managed with the value-based model compared with management using a traditional fee-for-service payment model.

J.D. Childs, PI 01/01/11-12/31/11 .6 calendar

Private Practice, Orthopaedic Section, and \$64,600

Section on Health Policy and Administration,

American Physical Therapy Association,

American Academy of Orthopaedic and

Manual Physical Therapists, and Baylor

University Research Committee Grant Program

Implications of Timing and Quality of Physical Therapy and Chiropractic Care on Costs in U.S. Employer-sponsored Health Plans

The specific aim of this study is to examine the cost implications of the decision to refer patients with a new episode of LBP from primary care providers to physical therapy or chiropractic care in U.S. employer-sponsored health plans.

W81XWH-09-C-0008 (J. Hu, PI)	02/15/10-02/14/12	.6 calendar
Small Business Innovation Research (Phase II)	\$36,648	
Rehabilitation Robot (RehaBot)		

The specific aim of this project is to develop an integrated reconfigurable haptic feedback robotic system that allows the implementation of multiple training procedures for upper and lower limbs.

J.M. Fritz, PI	07/01/09-12/31/11	1.2 calendar
Empi, Inc.	\$354,758	

The Value of Adding Traction to Standard Treatments Received by Patients with Low Back or Neck Pain Receiving Physical Therapy: Two Randomized Clinical Trials Validating Clinical Prediction Criteria

The specific aim of this study is to determine the validity of prediction criteria to identify patients highly likely to benefit from the addition of traction to a standard physical therapy intervention in patients with low back and neck pain.

PR054098 (S.Z. George, PI)	06/01/06 – 05/31/11	3.0 calendar
DoD Peer Reviewed Medical Research Program	\$1,008,426	

Prevention of Low Back Pain in the Military: A Randomized Clinical Trial

The specific aim of this project is to determine if novel educational and physical training programs are effective at reducing chronic disability from low back pain in active duty Soldiers.

R21 AT004221-01A1 (J.M. Fritz, PI)	01/01/09-12/31/10	.6 calendar
NIH/NCCAM	\$295,115	

Biomechanical and Neurophysiological Effects of Spinal Manipulative Therapy

The specific aim of this study is to compare neurophysiologic and biomechanical characteristics between patients who are therapeutic responders or non-responders to spinal manipulation therapy.

Small Business Innovation Research (10/01/08-09/30/09) (\$350,000)

An integrated physical therapy/rehabilitation robotic system for military healthcare enhancement (RehaBot)

Award #: A082-120-1879, Role: Co-investigator

The specific aim of this study is to create a reconfigurable haptic feedback non-treadmill rehabilitation robotic system for upper and lower limb rehabilitation, develop progressive rehabilitation training procedures for retraining tasks involving upper and lower limbs, create a virtual reality environment for reconfigurable rehab training, and develop a mechanism for telepresence rehab training consultation and remote supervision

Center of Excellence for Medical Multimedia (10/01/08-9/30/09) (\$350,000)

Development of a biopsychosocial multimedia educational program for active duty service members with low back pain

Award #: n/a, Role: Co-investigator

The specific aim of this project is to develop an innovative multimedia educational program for patients with low back pain based on biopsychosocial principles that communicate positive information and advice. Successful implementation of the proposed project will offer healthcare practitioners in the military health system the medium to provide evidence-based information and advice that will enhance recovery and help reduce the enormous disability and costs associated with the management of LBP.

Clinical Research Grant Program (01/01/07 – 12/31/08) (\$40,000)

Foundation for Physical Therapy

Comparison of the effectiveness of three manual physical therapy techniques in a subgroup of patients with low back pain who satisfy a clinical prediction rule: A randomized clinical trial

Award #: n/a, Role: Co-investigator

The specific aim of this study is to investigate the effectiveness of three different manual physical therapy techniques in a subgroup of patient with low back pain that satisfy the lumbar spine manipulation prediction rule.

Orthopaedic Section Clinical Research Grant Program (04/01/06 – 03/31/08) (\$7,500)

Development of a clinical prediction rule to identify patients status post inversion ankle sprain likely to benefit from manual physical therapy interventions and exercise

Award #: n/a, Role: Co-investigator

The specific aim of the study is to develop a clinical prediction rule to identify patients status post inversion ankle sprain likely to benefit from manual physical therapy interventions and exercise.

American Academy of Orthopaedic Manual Physical Therapists Clinical Research Grant Program (01/01/06 – 12/31/08) (\$5,000)

Comparison of the effectiveness of three manual physical therapy techniques in a subgroup of patients with low back pain who satisfy a clinical prediction rule: A randomized clinical trial

Award #: n/a, Role: Co-investigator

The specific aim of this study is to investigate the effectiveness of three different manual physical therapy techniques in a subgroup of patient with low back pain that satisfy the lumbar spine manipulation prediction rule.

American Academy of Orthopaedic Manual Physical Therapists Clinical Research Grant Program (01/01/06 – 12/31/06) (\$5,000)

Thoracic spine mobilization versus manipulation in patients with mechanical neck pain: A randomized clinical trial

Award #: n/a, Role: Co-investigator

The specific aim of this study is to determine the effectiveness of thoracic spine manipulation versus mobilization in patients with mechanical neck pain.

Telemedicine and Advanced Technology Research Center Advances in Medical Practice (10/01/05 – 09/30/06) (\$900,000)

Rehabilitative ultrasound imaging

Award #: n/a, Role: PI (Co-PI with Teyhen DS)

The specific aim of this project is to reduce recurrence of low back pain by using ultrasound imaging and biofeedback to enhance the care of patients with low back pain.

Orthopaedic Section Clinical Research Grant Program (04/01/04 – 03/31/05) (\$7,500)

Development of a clinical prediction rule to identify patients with neck pain likely to benefit from thoracic spine manipulation

Award #: n/a, Role: PI

The specific aim of the study is to identify factors from the history and physical examination that predict successful outcome from thoracic spine manipulation in patients with neck pain.

American Academy of Orthopaedic Manual Physical Therapists Clinical Research Grant Program (01/01/04 – 12/31/04) (\$5,000)

The effectiveness of thoracic spine manipulation on success rate, disability, function, and impairments in patients with neck pain: A randomized clinical trial

Award #: n/a, Role: Co-investigator

The specific aim of this study is to determine if the addition of thoracic spine manipulation to a standard physical therapy regimen for patients with neck pain improves the rate of successful outcome and decreases absence from work.

Foundation for Physical Therapy Research Grant (01/01/04 – 12/31/04) (\$40,000)

The effectiveness of an extension-oriented intervention in patients with low back pain: A randomized clinical trial

Award #: n/a, Role: PI

The specific aim of this study is to determine the effectiveness of an extension-oriented intervention in a subgroup of patients with low back hypothesized to benefit from this treatment approach.

U.S. Army Center for Health Promotion and Preventive Medicine Health Promotion and Prevention Initiatives Program (10/1/03 – 09/30/04) (\$35,000)

Screening soldiers at risk for chronic, disabling episodes of low back pain

Award #: n/a, Role: PI (Co-PI with Teyhen DS)

The specific aim of this project is to identify soldiers at risk for chronic, disabling low back pain based on assessment of deep abdominal and low back muscle function using real-time ultrasound imaging.

Orthopaedic Section Clinical Research Grant Program (04/1/03 - 03/31/04) (\$7500)

Validation of a clinical prediction rule for identifying patients likely to benefit from a lumbar stabilization program

Award #: n/a, Role: Co-investigator (PI: Hicks GE)

The specific aim of this study is to validate a clinical prediction rule to identify patients with low back pain likely to benefit from a lumbar stabilization exercise intervention.

Sports Physical Therapy Section Small Grant Program (01/1/03 - 12/31/03) (\$1500)

Competency in musculoskeletal medicine: physical therapist vs. physician performance

Award #: n/a, Role: PI

The specific aim of this study is to describe competency in musculoskeletal medicine among physical therapists on an identical examination previously completed by physicians.

Orthopaedic Section Clinical Research Grant Program (01/1/03-12/31/03) (\$7500) and Wilford Hall Medical Center Commander Intramural Research Funding Program (01/01/03 – 12/31/03) (\$42,591.75) and

Pennsylvania Physical Therapy Association Research Fund Award (01/01/03 – 12/31/03) (\$1000) Association between impairments and function in response to physical therapy in individuals with patellofemoral pain syndrome

Award #: n/a, Role: Co-investigator (PI: Piva SR)

The specific aim of this study is to identify the impairments that are associated with physical function in patients with Patellofemoral Pain Syndrome prior to and in response to physical therapy treatment.

Foundation for Physical Therapy Research Grant Program (01/1/02 - 12/31/02) (\$40,000) and Wilford Hall Medical Center Commander Intramural Research Funding Program (01/01/02) (\$40,000)

Validation of a clinical prediction rule for identifying patients likely to respond to a sacroiliac region manipulation technique: A randomized clinical trial

Award #: n/a, Role: Co-investigator (PI: Fritz JM)

The specific aim of this study is to determine the validity of a previously-developed clinical prediction rule for identifying patients with low back pain likely to respond to a specific manipulation technique.

Sports Physical Therapy Section Small Grant Program (01/1/02 - 12/31/02) (\$1500)

The relationship of strength and flexibility of soft tissues around the hip to the presence or absence of patellofemoral pain syndrome

Award #: n/a, Role: PI

The specific aim of this study is to determine whether patients with Patellofemoral Pain Syndrome have less hip external rotation and abduction strength compared to age- and gender-matched control subjects.

Orthopaedic Section Clinical Research Grant Program (04/1/01 - 03/31/02) (\$10,000) and Wilford Hall Medical Center Commander Intramural Research Funding Program (4/1/01 - 3/31/02) (\$10,000)

Effectiveness of manual physical therapy and exercise for lumbar spinal stenosis: A prospective, randomized, controlled clinical trial

Award #: n/a, Role: Co-investigator (PI: Whitman JM)

The specific aim of this study is to determine the effectiveness of manual physical therapy and aerobic exercise in patients with lumbar spinal stenosis.

Orthopaedic Section Clinical Research Grant Program (04/1/01 - 03/31/02) (\$10,000)

Gait adaptations in individuals with knee osteoarthritis

Award #: n/a, Role: PI

The specific aim of this study is to determine if individuals with knee OA have different gait adaptations than age- and gender-matched controls and if these changes are associated with physical performance and self-report measures of pain and function.

TEACHING RESPONSIBILITIES:

2000	Teaching Assistant, Manual Therapy (Extremities and Spine), Department of Physical Therapy, University of Pittsburgh
2000	Teaching Assistant, Musculoskeletal Causes, Analysis, and Interventions in Movement Dysfunction I (Lower Extremity), Department of Physical Therapy, University of Pittsburgh
2000-2002	Teaching Assistant, Evidenced-Based Practice I, Department of Physical Therapy, University of Pittsburgh
2001-2002	Teaching Assistant, Evidenced-Based Practice II, Department of Physical Therapy, University of Pittsburgh, Spring
2001-2002	Teaching Assistant, Evidenced-Based Practice III, Department of Physical Therapy, University of Pittsburgh, Summer
2002	Instructor/Lecturer, Functional Anatomy of the Wrist and Hand, Department of Physical Therapy, University of Pittsburgh
2002	Instructor/Lecturer, Doctoral Seminar, Department of Physical Therapy, University of Pittsburgh
2003	Guest Lecturer/Lab Instructor, U.S. Army Advanced Physical Therapy Course on Evaluation and Treatment of the Spine
2003-2005	Guest Lecturer and Research Advisor, U.S. Army-Baylor University Doctoral Program in Physical Therapy
2003-2004	Guest Lecturer, U.S. Army Post-professional Doctoral Program in Orthopaedic Manual Physical Therapy
2005-2011	Faculty, The COL Douglas A. Kersey Advanced Clinical and Operational Practice Course for Physical Therapy Officers
2005-2009	Faculty, U.S. Army Post-professional Doctoral Program in Orthopaedic Manual Physical Therapy, (Research Design, Statistics)
2005-2011	Faculty, U.S. Air Force Physical Therapy OZO Course
2008-2011	Faculty, Colonel Mary Lipscomb Hamrick Research Course
2003-	Faculty, Evidence In Motion
2005-	Faculty, U.S. Army-Baylor University Doctoral Program in Physical Therapy, (Research Design, Statistics, Evidence-based Practice I-IV)

MILITARY EDUCATION & TRAINING:

1. Basic Cadet Training, U.S. Air Force Academy, Colorado Springs, CO, Aug 1990.
2. Survival, Evasion, Resistance, and Escape (SERE), U.S. Air Force Academy, Colorado Springs, CO, Jun 1991.
3. Water Survival, U.S. Air Force Academy, Colorado Springs, CO, Jun 1991.

4. Basic Free Fall Parachuting, U.S. Air Force Academy, Colorado Springs, CO, Jun 1991.
5. Combat Casualty Care Course (C4), Camp Bullis, San Antonio, TX, Jan 1997.
6. U.S. Air Force Physical Therapy/Occupational Therapy Management Symposium, Sheppard Air Force Base, Wichita Falls, TX (37.5 contact hours), Apr 1997.
7. Expert Field Medical Badge Course, Ft Carson, Colorado Springs, CO, Jun 1997.
8. Distinguished Graduate and awarded the Expert Field Medical Badge (EFMB), AZ Army National Guard, Phoenix, AZ, Apr 1998 (Invited to be an annual instructor and member of the Test Committee at future EFMB courses).
9. Squadron Officer School, Dec 1998.
10. Instructor/Evaluator, Expert Field Medical Badge Course (EFMB), Ellsworth Air Force Base, SD, Jun 1999.
11. U.S. Air Force Physical Therapy/Occupational Therapy Management Symposium, Sheppard Air Force Base, Wichita Falls, TX (40 contact hours), Jul 1999.
12. Instructor/Evaluator, Expert Field Medical Badge Course (EFMB), Camp Shelby, MS, Nov 1999.
13. U.S. Air Force Physical Therapy/Occupational Therapy Management Symposium, Wilford Hall Medical Center, San Antonio, TX (72 contact hours), Mar 2000.
14. Aerospace Physiological Training, Columbus Air Force Base Physiological Training Unit, Columbus Air Force Base, Columbus, MS, Jun 2000.
15. U.S. Air Force Physical Therapy/Occupational Therapy Management Symposium, San Antonio, TX (24 contact hours), Feb 2001.
16. Medical Unit Readiness Training, Camp Risington, Wilford Hall Medical Center, Lackland Air Force Base, San Antonio, TX, Oct 2003.
17. Combat Arms Training, Lackland Air Force Base, San Antonio, TX, Oct 2003.
18. U.S. Air Force Physical Therapy/Occupational Therapy Management Symposium," San Antonio, TX (23.25 contact hours), May 2005.
19. Air Command and Staff College, Nov 2006.

COMMUNITY/CIVIC INVOLVMENT:

- | | |
|-----------|--|
| 1990 | Member, Youth Leadership Forum, Birmingham, Alabama |
| 1992-1994 | Big Brother, Big Brothers Big Sisters of America, Pikes Peak Chapter, Colorado Springs, CO |
| 1999-2000 | Teacher, Men's weekly Bible study, Columbus Air Force Base |
| 2002-2004 | Game Director, Awana Clubs Program, Northeast Bible Church, San Antonio, TX |
| 2004-2005 | Team Assistant Coach, Soccer Association for Youth of San Antonio, San Antonio, TX |
| 2005-2007 | Sunday School Teacher, 4-year-old and 3rd grade class, Northeast Bible Church, San Antonio, TX |
| 2004-2008 | Member, Praise and Worship Team, Northeast Bible Church, San Antonio, TX |
| 2007-2008 | Chair, BRIDGE Team, Capital Giving Campaign, Northeast Bible Church, San Antonio, TX |
| 2007-2009 | Ambassador, Pine Cove Christian Camps |
| 2007-2010 | Member, San Antonio Petroleum Club, San Antonio, TX |
| 2007-2010 | Volunteer, Meals on Wheels of San Antonio, Christian Senior Services, San Antonio, TX |
| 2008-2010 | Sunday School Teacher, Believer's Fellowship, San Antonio, TX |
| 2008-2011 | Member, Vistage International, Inc. |
| 2013-2015 | Children's Bible Hour Leader, Believer's Fellowship, San Antonio, TX |
| 1994- | Member, Baptist Student Union Alumni Association |
| 1995- | Member, Aircraft Owner's and Pilots Association (Private Pilot – 120 flying hours) |
| 2007- | Member (#0C0705281307), Space Adventures' Spaceflight Club |
| 2007- | Member, U.S. Air Force Academy Sabre Society, Colorado Springs, CO |
| 2008- | Member, Ruth Crawford Mitchell Society, University of Pittsburgh Chancellor's Circle |
| 2012- | Member, Jacmel Haiti Rehabilitation Committee, Community Coalition for Haiti |
| 2014- | Member, Young President's Organization (YPO), San Antonio, TX |
| 2014- | Member, The 1954 Society, Air Force Academy Foundation |
| 2017- | Member, Magistro Founders Society, Foundation for Physical Therapy |
| 2019- | Founding Director, Air Force Academy Foundation |

**CONTINUING PROFESSIONAL EDUCATION
(OTHER THAN GRADUATE SCHOOL COURSEWORK):**

1995

1. "Basic Life Support for the Healthcare Provider," American Heart Association, San Antonio, TX, Jan 1995.

1996

2. "Stroke Rehabilitation: Mental Processes and Motor Control," Dogwood Institute, Birmingham, AL, Mar 1996 (12 contact hours).
3. "An Introduction to Foot Biomechanics for the Adult with CNS Dysfunction," Beverly Cusick, San Antonio, TX, May 1996 (8 contact hours).
4. "Defensible Documentation," Annette Iglarsh, San Antonio, TX, Apr 1996 (8 contact hours).
5. "Options in Action: A Wound and Skin Management Seminar," Baxter Healthcare, Tucson, AZ, Sep 1996 (4 contact hours).
6. "Mechanical Diagnosis and Therapy of the Lumbar Spine," Scott Herbowy, PT, Dip. MDT, McKenzie Institute, San Diego, CA, Oct 1996 (35 contact hours).
7. "Total Quality Management for the Healthcare Provider," Columbus Air Force Base, AZ, Oct 1996 (14 contact hours).

1997

8. "Evaluation and Management of Foot and Ankle Dysfunction," Kirksville College of Osteopathic Medicine in cooperation with the U.S. Public Health Service, Phoenix, AZ, Mar 1997 (26 contact hours).
9. "U.S. Air Force Physical Therapy/Occupational Therapy Management Symposium," Sheppard Air Force Base, Wichita Falls, TX, Apr 1997 (37.5 contact hours).
10. "Customer Care University," Columbus Air Force Base, Tucson, AZ, Aug 1997
11. "Principles of Manual Medicine," Philip E. Greenman, DO, FAAO, Michigan State University College of Osteopathic Medicine, Tucson, AZ, Oct 1997 (40 contact hours).
12. "Clinical Practice Standards: Ethical and Legal Issues," Tucson VA Medical Center, Tucson, AZ, Nov 1997 (6.6 contact hours).

1998

13. "Muscle Energy: Level I," Philip E. Greenman, DO, FAAO, Michigan State University College of Osteopathic Medicine, Tucson, AZ, Mar 1998 (40 contact hours).
14. "Women's Health: What Every Healthcare Provider Should Know," Elizabeth Noble New Life Images O.B.-GYN courses, Los Angeles, CA, Aug 1998 (13 contact hours).
15. "Combined Medial Collateral Ligament/Anterior Cruciate Ligament Injuries: Recognition and Treatment," Healthsouth, Tucson, AZ, Jul 1997 (1 contact hour)
16. "Leadership Training for the Customer Service Revolution," AMR Training Group, Tucson, AZ, Sep 1998 (16 contact hours).
17. "Basic Life Support for the Healthcare Provider," American Heart Association, Tucson, AZ, Oct 1998
18. "Essentials of Personal Training Symposium," National Strength and Conditioning Association, Tucson, AZ, Oct 1998 (13.5 contact hours).

1999

19. "S1 - Introduction to Spinal Evaluation and Manipulation," Larry Yack, MS, PT, University of St. Augustine Institute of Physical Therapy, Tucson, AZ, Feb 1999 (40 contact hours).

20. "Southwest Fitness and Conditioning Clinic," Southern Arizona Fitness Association, Tucson, AZ, Mar 1999 (8 contact hours).
21. "Exercise Prescription as an Adjunct to Manual Therapy," Mark Bookhout, MS, PT, Andrews Air Force Base, MD, Apr 1999 (17 contact hours).
22. "U.S. Air Force Physical Therapy/Occupational Therapy Management Symposium," Sheppard Air Force Base, Wichita Falls, TX, Jul 1999 (40 contact hours).
23. "Air Force 'Skunkworks' Customer Satisfaction Summit," Air Force Surgeon General's Task Force, Dallas, TX, Aug 1999
24. "Differential Diagnosis and Manual Therapy of the Thoracic Spine and Ribs," Valerie Phelps, PT, International Academy of Orthopedic Medicine, Tucson, AZ, Sep 1999 (24 contact hours).
25. "Low Back Pain Evaluation and Management for Primary Care Physicians," Steven M. Theiss, MD, Division of Orthopaedic Surgery, University of Alabama at Birmingham, Nov 1999 (1 contact hour)

2000

26. "Craniosacral Technique: Level I," Philip E. Greenman, DO, FAAO, Michigan State University of Osteopathic Medicine, Tucson, AZ, Jan 2000 (40 contact hours).
27. "Emergency Response Course" and "CPR for the Professional Rescuer," Sports Section of the American Physical Therapy Association, New Orleans, LA, Jan 2000 (30 contact hours).
28. "Combined Sections Meeting," American Physical Therapy Association, New Orleans, LA, Feb 2000 (26 contact hours).
29. "U.S. Air Force Physical Therapy/Occupational Therapy Management Symposium," Wilford Hall Medical Center, Department of Physical Therapy, San Antonio, TX, Mar 2000 (72 contact hours).
30. "United States Savings Bonds: Military Campaign Leadership Conference," Department of the Treasury, Air Force Personnel Center, Randolph Air Force Base, TX, Apr 2000
31. "The Panther Sports Medicine Symposium – The Knee: A New Millennium from Robotics to Gene Therapy," University of Pittsburgh School of Medicine, Pittsburgh, PA, May 2000 (27 contact hours).
32. "Basic Life Support for the Healthcare Provider," American Heart Association, Columbus, MS, Jun 2000
33. "Pain Management in the New Millennium," Pfizer Pharmaceuticals, Columbus, MS, Jul 2000 (3 contact hours).
34. "Fundamentals of Human Research Subjects," University of Pittsburgh Research Conduct and Compliance Office and The School of Medicine Center for Continuing Education in the Health Sciences, Pittsburgh, PA, Sep 2000 (3.5 contact hours).
35. "Training for Success," University of Pittsburgh Survival Skills and Ethics Program Seminar, Pittsburgh, PA, Sep 2000
36. "Anatomy of the Spine: New Findings in Discs and Abdominopelvic Musculature," Susan Mercer, PhD, Bphty (Hons), FNZCP, University of Pittsburgh Millennium Conference Series II, Pittsburgh, PA, Sep 2000 (11 contact hours).
37. "From Tibialis Anterior to Tai Chi: A 25-Year Odyssey Into the Exploration of Movement Control," Stephen L. Wolf, PT, PhD, FAPTA, University of Pittsburgh Department of Physical Therapy Sixth Endowed Scully Visiting Lecture Program, Pittsburgh, PA, Oct 2000 (2 contact hours).
38. "Disability Studies: A Global Perspective," National Institute on Disability and Disability Research, National Press Club, Washington, D.C., Oct 2000
39. "Complex Repair of the Meniscus into the Avascular Zone," "Physician Leadership Traits," and "Treatment of the ACL Deficient Knee with Varus Alignment," Frank Noyes, MD, President and

Medical Director, Cincinnati Sportsmedicine and Orthopaedic Center, University of Pittsburgh
Visiting Blue Cross Professor, Pittsburgh, PA, Oct 2000

40. "Current Concepts in the Recognition and Treatment of Knee Injuries," Sports Physical Therapy Section of the American Physical Therapy Association, Oct 2000 (30 contact hours).
41. "Third Annual University of Pittsburgh Arthritis Institute Research Symposium," University of Pittsburgh Arthritis Institute, Pittsburgh, PA, Dec 2000 (8 contact hours).
42. "Civil Rights of Americans with Disabilities," Judith E. Heumann, PhD, Leaders and Legends Lecture, School of Health and Rehabilitation Sciences, University of Pittsburgh, Pittsburgh, PA, Dec 2000

2001

43. "U.S. Air Force Physical Therapy/Occupational Therapy Management Symposium," Wilford Hall Medical Center, San Antonio, TX, Feb 2001 (24 contact hours).
44. "Combined Sections Meeting," American Physical Therapy Association, San Antonio, TX, Feb 2001 (24 contact hours).
45. "Neuromuscular Function In Knee Osteoarthritis," Scott M. Lephart, PhD, ATC, University Of Pittsburgh Arthritis Institute, Pittsburgh, PA, Feb 2001
46. "Basic Life Support For The Healthcare Provider And Automatic External Defibrillator Training," American Heart Association, University Of Pittsburgh, Pittsburgh PA, Mar 2001
47. "Health Care In The New Millennium," James N. Weinstein, DO, MS, Professor of Medicine, Dartmouth University, Visiting Professor For Orthopaedic Grand Rounds, Department Of Orthopedic Surgery, University Of Pittsburgh, Pittsburgh, PA, Mar 2001
48. "Seeking Equal Protection: Reconstructing The Disability Classification," Anita Silvers, PhD, Professor of Philosophy, San Francisco State University, Leaders and Legends Lecture, School of Health and Rehabilitation Sciences, University of Pittsburgh, Pittsburgh, PA, Mar 2001
49. "University of Pittsburgh Education and Certification Program in Research Practice Fundamentals: Research Integrity Module," University of Pittsburgh Health Sciences, Pittsburgh, PA, May 2001
50. "University of Pittsburgh Education and Certification Program in Research Practice Fundamentals: Human Subjects Research Module," University of Pittsburgh Health Sciences, Pittsburgh, PA, May 2001
51. "The Art of Shoulder Reconstruction," Frederick A. Matsen III, MD, Visiting Professor, Albert B. Ferguson Lectureship, Department of Orthopaedic Surgery, University of Pittsburgh, Pittsburgh, PA, Apr 2001
52. "Education and Certification Program in Research Practice Fundamentals," University of Pittsburgh Health Sciences, Pittsburgh, PA, Jul 2001
53. "Evaluation and Treatment of Scapular Dysfunction," and "Peripheral Nerve Injuries About the Shoulder," Michael A. Shaffer, MS, PT, ATC, Cyclone Sports Medicine Center, Iowa State University, Guest Lecturer, University of Pittsburgh, Pittsburgh, PA, Jul 2001
54. "Evaluation and Treatment of the Wrist and Hand," Ken Flowers, PT, CHT, Editor, *Journal of Hand Therapy*, Guest Lecturer, University of Pittsburgh, Pittsburgh, PA, Aug 2001 (14 contact hours).
55. "Science 2001: A Research Odyssey," University of Pittsburgh Health Sciences, Pittsburgh, PA, Sep 2001
56. "Making Oral Presentations," University of Pittsburgh Survival Skills and Ethics Program Seminar, Pittsburgh, PA, Oct 2001
57. "Sports Medicine and Orthopaedic Practice," William E. Garrett, Jr., MD, Professor and Chair, Department of Orthopaedic Surgery, University of North Carolina at Chapel Hill, University of Pittsburgh Department of Orthopaedic Surgery Visiting Blue Cross Professor, Pittsburgh, PA, Oct 2001

58. "The Australian Approach to Assessment, Examination, and Treatment of Upper Quarter Neural Dynamics," Denis Dempsey, PT, MAppI. Science, GDAMT, OCS, FAAOMPT, MMPAA, University of Pittsburgh, Pittsburgh, PA Oct 2001(16 contact hours).
59. "Spinal Manipulation," Jim Meadows, BScPT, FCAMT, University of Pittsburgh Department of Physical Therapy, Pittsburgh, PA, Oct 2001 (60 contact hours).
60. "The Medical Model in Socio-Political Change," Susan M. Daniels, PhD, Former Deputy Commissioner for Disability and Income Security Programs at the Social Security Administration in the Clinton Administration, Leaders and Legends Lecture, School of Health and Rehabilitation Sciences, University of Pittsburgh, Pittsburgh, PA, Oct 2001
61. "Have No Fear," John L. Echternach, PT, EdD, FAPTA, Seventh Endowed Scully Visiting Lecture Program, Department of Physical Therapy, University of Pittsburgh, Pittsburgh, PA, Nov 2001 (2 contact hours).

2002

62. "The Future of Knee Ligament Surgery," as part of the McGowan Institute for Regenerative Medicine (MIRM) Seminar Series, Freddie H. Fu, MD, David Silver Professor and Chairman, Department of Orthopaedic Surgery, Division of Sports Medicine, University of Pittsburgh Medical Center, Pittsburgh, PA, Jan 2002 (2 contact hours).
63. "Combined Sections Meeting," American Physical Therapy Association, Boston, MA, Feb 2002 (26 contact hours).
64. "Human Participants Protection Education for Research Teams," National Institutes of Health online course, Mar 2002
65. "Sports Medicine Conference: Case Reports," Sports Medicine Orthopaedic Surgery Fellowship Program, University of Pittsburgh Department of Orthopaedic Surgery, Pittsburgh, PA, Aug 2000-Jun 2002 (weekly 1 hour meeting)
66. "How Not to Treat the Neck," Dr. Richard E. Erhard, DC, PT, University of Pittsburgh Department of Physical Therapy, Pittsburgh, PA, Jul 2002 (16 contact hours).
67. "Physical Therapist Pass Point Study Workshop for the Physical Therapist National Physical Therapy Examination," Federation of State Boards of Physical Therapy, Alexandria, VA, Aug 2002
68. "Manual Therapy Preparatory Course for Fellowship in the American Academy of Orthopedic Physical Therapists," Dr. Richard E. Erhard, DC, PT, FAAOMPT, University of Pittsburgh Department of Physical Therapy, Pittsburgh, PA, Jan-Sep 2002
69. "Annual Conference," American Academy of Orthopaedic Manual Physical Therapists, Orlando, FL, Oct 2002 (21 contact hours).
70. "Item Writer and Review Committee Workshop for the Physical Therapist National Physical Therapy Examination," Federation of State Boards of Physical Therapy, Alexandria, VA, Oct 2002
71. "On-Site Review Workshop for Physical Therapist Education Programs," Commission on Accreditation in Physical Therapy Education, American Physical Therapy Association, Alexandria, VA, Dec 2002

2003

72. "Specialization Academy of Content Experts Item Writing Workshop I," American Board of Physical Therapy Specialties, American Physical Therapy Association, Tampa, FL, Feb 2003 (5.5 contact hours).
73. "Combined Sections Meeting," American Physical Therapy Association, Tampa, FL, Feb 2003 (26 contact hours).
74. "Collaborative IRB Training Initiative: A Course in the Protection of Human Research Subjects," University of Miami on-Line investigator training, Feb 2003 (6 contact hours).

75. 1st Annual 59th Medical Wing Research Appreciation Day, San Antonio, TX, May 2003 (8 contact hours).
76. "Item Writer and Review Committee Workshop for the Physical Therapist National Physical Therapy Examination," Federation of State Boards of Physical Therapy, San Diego, CA, Jul 2003
77. "Basic Life Support For Healthcare Providers Program," American Heart Association Guidelines 2000, Wilford Hall Medical Center, San Antonio, TX, Jul 2003
78. "SPSS User Seminar," SPSS, Inc., Austin, TX, Aug 2003
79. "Medical Team Management Training," Risk Management, Wilford Hall Medical Center, San Antonio, TX, Oct 2003 (3.6 contact hours).
80. "Annual Conference," American Academy of Orthopaedic Manual Physical Therapists, Reno, NV, Oct 2003 (21 contact hours).

2004

81. "Specialization Academy of Content Experts Item Writing Workshop II," American Board of Physical Therapy Specialties, American Physical Therapy Association, Nashville, TN, Feb 2004 (5.5 contact hours).
82. "Combined Sections Meeting," American Physical Therapy Association, Nashville, TN, Feb 2004 (27.5 contact hours).
83. "Military Spine Conference: Returning Military Personnel to High Risk Activities after Spinal Surgery," Walter Reed Army Medical Center, Alexandria, VA, Mar 2004
84. 2nd Annual 59th Medical Wing Research Appreciation Day, San Antonio, TX, Jun 2004 (8 contact hours).
85. "Defense Medical and Procurement Conference," U.S. Army Medical Research and Materiel Command, in conjunction with Market*Access International, Baltimore, MD, Jun 2004
86. "The Cervicothoracic Spine: An Evidence-based Approach to Manipulative Intervention," Kentucky Orthopedic Rehab Team, Louisville, KY, Jun 2004 (15 contact hours).
87. "Examination and Interventions for Patients with Cervical Spine Disorders," Preconference course, Advanced Clinical Practice Series, Annual Conference, American Physical Therapy Association, Chicago, IL, Jun 2004 (15 contact hours).
88. Annual Conference, American Physical Therapy Association," American Physical Therapy Association, Chicago, IL, Jun 2004 (8 contact hours).
89. "Evidence-based Examination and Interventions for Patients with Disorders of the Lumbar Spine, Pelvis, and Hip," Kentucky Orthopedic Rehab Team, Louisville, KY, Aug 2004 (15 contact hours).
90. "Examination, Diagnosis, and Interventions for Patients with Lumbar Instability: An Evidence-based Approach," Annual Conference, Texas Physical Therapy Association, Austin, TX, Oct 2004 (7.5 contact hours).
91. "Texas Physical Therapy Association Annual Conference," Texas Physical Therapy Association, Austin, TX, Oct 2004 (8 contact hours).
92. "Annual Conference," American Academy of Orthopaedic Manual Physical Therapists, Louisville, KY, Oct 2004 (18.5 contact hours).
93. "Medical Screening for the Physical Therapist," Orthopaedic Section, American Physical Therapy Association, Inc. Independent Study Course 14.1.5, Nov 2004 (30 contact hours).

2005

94. "Specialization Academy of Content Experts Item Writing Workshop II," American Board of Physical Therapy Specialties, American Physical Therapy Association, New Orleans, LA, Feb 2005
95. "Combined Sections Meeting," American Physical Therapy Association, New Orleans, LA, Feb 2005 (25 contact hours).

96. "Evidence-based Examination and Selected Interventions for Patients with Lumbar Spine Disorders," Air Force OZO Course, Wilford Hall Medical Center, Lackland Air Force Base, San Antonio, TX, May 2005 (4 contact hours).
97. "Evidence-based Examination and Selected Interventions for Patients with Disorders of the Lumbopelvic Spine and Hip," Evidence In Motion, Therapy Services, University Medical Center, Tucson, AZ, Apr 2005 (15 contact hours).
98. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic and Hip Disorders," Evidence In Motion, Center for Sports Medicine, Concord Rehabilitation Hospital, Concord, NH, Apr 2005 (15 contact hours).
99. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic and Hip Disorders," Evidence In Motion, Rehab Service/Health & Fitness, Thomas Hospital, Fairhope, AL, Apr 2005 (15 contact hours).
100. "Examination and Interventions for Patients with Cervical Spine Disorders," Advanced Clinical Practice Series, Advanced Clinical Practice Series, American Physical Therapy Association, Dartmouth Hitchcock Medical Center, Hanover, New Hampshire, Apr 2005 (15 contact hours).
101. "U.S. Air Force Physical Therapy/Occupational Therapy Management Symposium," Sheppard Air Force Base, Wichita Falls, TX, May 2005 (24 contact hours).
102. "Conference on the Biology of Manual Therapies," National Center of Complementary and Alternative Medicine, National Institutes of Health, Bethesda, MD, Jun 2005
103. "Examination, Diagnosis, and Interventions for Patients With Lumbar Instability: An Evidence-based Approach," Preconference course, Advanced Clinical Practice Series, Annual Conference, American Physical Therapy Association, Boston, MA, Jun 2005 (15 contact hours).
104. "Evidence-based Examination and Selected Interventions for Patients with Extremity Disorders," Kentucky Orthopedic Rehab Team, Louisville, KY, Jun 2005 (15 contact hours).
105. "Instructor Training Course," Staff and Faculty Development Branch, Department of Academic Support and Quality Assurance, Army Medical Department Center & School, Fort Sam Houston, San Antonio, TX, Jul 2005
106. "Evidence-based Practice and Quality Care in Physical Therapist Practice," Department of Physical Therapy and Division of Distance and Continuing Education, Western Carolina University, Cullowhee, NC, Aug 2005 (7.5 contact hours).
107. "Examination and Interventions for Patients with Cervical Spine Disorders," Advanced Clinical Practice Series, American Physical Therapy Association, Medical College of Ohio, Toledo, Ohio, Aug 2005 (15 contact hours).
108. "Examination and Interventions for Patients with Lumbar Spine Disorders," Advanced Clinical Practice Series, American Physical Therapy Association, George Washington University, Washington, DC, Aug 2005 (15 contact hours).
109. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Evidence In Motion, University of Texas Health Science Center, San Antonio, TX, Sep 2005 (15 contact hours).
110. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Evidence In Motion, Long Island University, Brooklyn, NY, Sep 2005 (15 contact hours).
111. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic and Hip Disorders," Evidence In Motion, Creighton University, Omaha, NE, Oct 2005 (7.5 contact hours).
112. "Examination, Diagnosis, and Interventions for Patients with Lumbar Instability: An Evidence-based Approach," Advanced Clinical Practice Series, American Physical Therapy Association, George Washington University, Washington, DC, Oct 2005 (15 contact hours).

113. "Annual Conference," American Academy of Orthopaedic Manual Physical Therapists, Salt Lake City, UT, Oct 2005 (16 contact hours).
114. "Preview 2020," American Physical Therapy Association, Las Vegas, NV, Nov 2005 (18 contact hours).

2006

115. "Combined Sections Meeting," American Physical Therapy Association, San Diego, CA, Feb 2006 (25 contact hours).
116. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Evidence In Motion, Drayer Physical Therapy, Harrisburg, PA, Jan 2006 (15 contact hours).
117. "Evidence-based Examination and Selected Interventions for Patients with Lumbar Spine Disorders," Air Force OZO Course, Wilford Hall Medical Center, Lackland Air Force Base, San Antonio, TX, Feb 2006 (4 contact hours).
118. "Evidence-based Examination and Selected Interventions for Patients with Spine Disorders," Evidence In Motion, Montefiore Medical Center, New York, NY, Mar 2006 (15 contact hours).
119. "Teaching Manipulation: An Instructors's Workshop," Evidence In Motion, Bellin Health System, Green Bay, WI, Mar 2006 (7.5 contact hours).
120. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Evidence In Motion, Appleton Health System, Appleton, WI, Mar 2006 (15 contact hours).
121. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Evidence In Motion, Therapy Services, University Medical Center, Tucson, AZ, Apr 2006 (15 contact hours).
122. "Clinical Trial in Rehabilitation: Opportunities and Challenges," Pam Duncan, PT, PhD, FAPTA, US Army-Baylor University Doctoral Program in Physical Therapy, San Antonio, TX, My 2006 (6 contact hours).
123. "Rehabilitative Ultrasound Imaging Symposium," Advances in Medical Practice Program, Office of the Surgeon General and US Army-Baylor University Doctoral Program in Physical Therapy, San Antonio, TX, May 2006.
124. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Evidence In Motion, Center for Sports Medicine, Concord Rehabilitation Hospital, Concord, NH, May 2006 (15 contact hours).
125. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Evidence In Motion, Rehab Service/Health & Fitness, Thomas Hospital, Fairhope, AL, Jun 2006 (15 contact hours).
126. "The Race for Ownership of Low Back Pain: Evidence Trumps Politics," Distinguished Lecture Series, Texas Woman's University, Houston, TX, Jul 2006 (1 contact hour).
127. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Evidence In Motion, Department of Physical Therapy, University of Colorado Health Sciences Center, Denver, CO, Aug 2006 (15 contact hours).
128. "The COL Douglas A. Kersey Advanced Clinical and Operational Practice Course for Physical Therapy Officers," Army Medical Department Center & School, Fort Sam Houston, San Antonio, TX, Sep 2006 (8 contact hours).
129. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Department of Physical Therapy, University of Texas Health Science Center, San Antonio, TX, Sep 2006 (15 contact hours).
130. "What Insurances Know about EBM and How It Can Affect You," Annual Conference & Exposition of the Private Practice Section, Miami, FL, Oct 2006 (3 contact hours).

131. "Treatment-based Classification of Low Back Pain," Drayer National Conference Rehabilitation and Sports Medicine, Drayer Physical Therapy Institute, Hilton Head, SC, Oct 2006 (2 contact hours).
132. "Manual Physical Therapy Versus Stabilization for Low Back Pain," Drayer National Conference Rehabilitation and Sports Medicine, Drayer Physical Therapy Institute, Hilton Head, SC, Oct 2006 (2 contact hours).
133. "Annual Conference," American Academy of Orthopaedic Manual Physical Therapists, Charlotte, NC, Oct 2006 (17.25 contact hours).
134. "The Race for Ownership of Low Back Pain: Evidence Trumps Politics," National Student Conclave, American Physical Therapy Association, Dallas, TX, Oct 2006 (3 contact hours).
135. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Evergreen Physical Therapy, Reed City, MI, Nov 2006 (15 contact hours).
136. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Colorado Sports and Spine Centers, Colorado Springs, CO, Dec 2006(15 contact hours).

2007

137. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," University of Pittsburgh, Pittsburgh, PA, Jan 2007 (8 contact hour).
138. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Park Nicollet, St. Louis Park, MN, Jan 2007 (15 contact hours).
139. "Combined Sections Meeting," American Physical Therapy Association, Boston, MA, Feb 2007 (21 contact hours).
140. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Annual Conference, Florida Physical Therapy Association, Orlando, FL, Mar 2007.
141. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Alamance Regional Medical Center, Burlington, NC, Mar 2007 (15 contact hours).
142. "Professional Issues," Air Force OZO Course, Wilford Hall Medical Center, San Antonio, TX, Mar 2007 (1 contact hour).
143. "The Race for Ownership of Low Back Pain: Evidence Trumps Politics," Department of Physical Therapy, West Virginia University, Morgantown, WV, Apr 2007.
144. "2007 Advocacy Academy and PT Day on Capitol Hill," American Physical Therapy Association, Washington, DC, May 2007 (9 contact hours).
145. "Annual Conference, American Physical Therapy Association," American Physical Therapy Association, Denver, CO, Jun 2007 (24 contact hours).
146. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Texas Physical Therapy Specialists, San Antonio, TX, Jul 2007 (15 contact hours).
147. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Orthopedics Plus Physical Therapy, Russellville, KY, Aug 2007 (15 contact hours)
148. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Alamance Regional Medical Center, Burlington, NC, Sep 2007 (15 contact hours).
149. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," ProRehab, Evansville, IN, Sep 2007 (15 contact hours).
150. "Annual Conference," American Academy of Orthopaedic Manual Physical Therapists, St. Louis, MO, Oct 2007 (17.25 contact hours)
151. "Annual Conference & Exposition of the Private Practice Section," Private Practice Section, American Physical Therapy Association, San Diego, CA, Nov 2007 (21 contact hours).

2008

152. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Park Nicollet, St. Louis Park, MN, Jan 2008 (15 contact hours).
153. "Combined Sections Meeting," American Physical Therapy Association, Nashville, TN, Feb 2008 (21 contact hours).
154. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Physical Therapy South, Lafayette, LA, Feb 2008 (15 contact hours).
155. "The Power of Alignment: Leading High Performance Teams," Edgar Papke, Living Change, Austin, TX, Feb 2008 (3 contact hours)
156. "Web Evolution Technology & Marketing," Yvonne Tocquigny, Tocquigny Advertising & Design, Inc., Austin, TX, Mar 2008 (3 contact hours)
157. "Stop Talking; Start Communication," Mark Wiskup, Mark Wiskup Communications, Inc., New Braunfels, TX, Mar 2008 (3 contact hours)
158. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Providence Health, Portland, OR, Mar 2008 (15 contact hours).
159. "Delineating the Evidence Base for Somato-Visceral Interactions and Autonomic Mechanisms of Manual Therapy," The Osteopathic Research Center, University of North Texas Health Science Center, Fort Worth, TX, Mar 2008 (8 contact hours).
160. "Professional Issues," Air Force OZO Course, Wilford Hall Medical Center, San Antonio, TX, Mar 2008 (1 contact hour).
161. "Colonel Mary Lipscomb Hamrick Research Course," Army Medical Department, San Antonio, TX, Apr 2008.
162. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," St. Joseph's Medical Center, Bloomington, IL, Apr 2008 (15 contact hours).
163. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Mountain River Physical Therapy, Parkersburg, WV, Jun 2008 (15 contact hours).
164. "Annual Conference, American Physical Therapy Association," American Physical Therapy Association, San Antonio, TX, Jun 2008 (24 contact hours).
165. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," Benchmark Physical Therapy, Atlanta, GA, Aug 2008 (15 contact hours).
166. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," New Mexico State Chapter of the American Physical Therapy Association, Albuquerque, NM, Sep 2008 (15 contact hours).
167. "Physical Therapists and the 21st Century Health Care Food Chain," University of Mary, Bismarck, ND, Sep 2008 (8 contact hours).
168. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," North Dakota State Chapter of the American Physical Therapy Association, Bismarck, ND, Sep 2008 (15 contact hours).
169. "Educational Leadership Conference," Education Section, American Physical Therapy Association, Phoenix, AZ, Oct 2008 (17 contact hours).
170. "Annual Conference," American Academy of Orthopaedic Manual Physical Therapists, Seattle, WA, Oct 2008 (17.5 contact hours)
171. "Annual Conference & Exposition of the Private Practice Section," Private Practice Section, American Physical Therapy Association, Orlando, FL, Nov 2008 (4 contact hours).

2009

172. "Combined Sections Meeting," American Physical Therapy Association, Las Vegas, NV, Feb 2009 (21 contact hours).

173. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Physical Therapy South, Lafayette, LA, Mar 2009 (15 contact hours).
273. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," PRO-Active Physical Therapy, Syracuse, NY, Mar 2009 (15 contact hours).
174. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Ohio State University, Columbus, OH, Apr 2009 (15 contact hours).
175. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Ohio State University, Columbus, OH, Apr 2009.
176. "Professional Issues," Air Force OZO Course, Wilford Hall Medical Center, Lackland Air Force Base, San Antonio, TX, Apr 2009 (1 contact hour).
177. "Use of Technology in Evidence-based Practice," Air Force OZO Course, Wilford Hall Medical Center, Lackland Air Force Base, San Antonio, TX, Apr 2009 (1 contact hour).
178. "Using Outcome Measures in Clinical Practice," Air Force OZO Course, Wilford Hall Medical Center, Lackland Air Force Base, San Antonio, TX, Apr 2009 (1 contact hour).
179. "Embracing Clinical Education Standards: A Work in Progress," Texas Consortium for Physical Therapy Continuing Education, Dallas, TX, Jul 2009 (6.5 contact hours).
180. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine and Hip Disorders," Phoenix Rehab, Mt. Pleasant, PA, Aug 2009 (15 contact hours).
181. "Annual Conference of the California Physical Therapy Association," California Physical Therapy Association, Pasadena, CA, Oct 2009 (8 contact hours).
182. "The Race for Ownership of Low Back Pain," Kaiser Permanente Los Angeles Orthopaedic Manual Therapy Fellowship, Los Angeles, CA, Oct 2009 (6 contact hours).
183. "Annual Conference," American Academy of Orthopaedic Manual Physical Therapists, Washington, DC, Oct 2009 (17.75 contact hours)
184. "Air Force Medical Service Senior Leadership Conference," Air Force Medical Service, Leesburg, VA, Oct 2009 (24 contact hours).
185. "Annual Conference & Exposition of the Private Practice Section," Private Practice Section, American Physical Therapy Association, Colorado Springs, CO, Nov 2009 (4 contact hours).

2010

186. "Executive Management & Strategy, Leadership & Entrepreneurship, & Finance," Executive Program in Private Practice Management, Evidence In Motion, Louisville, KY, Jan 2010 (20 contact hours).
187. "Combined Sections Meeting," American Physical Therapy Association, San Diego, CA, Feb 2010 (21 contact hours).
188. "Effective Negotiating®," Karrass Seminars, Austin, TX, Mar 2010 (16 contact hours)
189. "Physical Therapists Rescue General Motors from the Brink of Bankruptcy," Arizona Physical Therapy Association, Tucson, AZ, Apr 2010 (1 contact hour).
190. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine & Hip Disorders," Carondelet Health System, Tucson, AZ, Apr 2010 (24 contact hours).
191. "Evidence-based Examination and Selected Interventions for Patients with Cervical Spine Disorders," College of Mt. St. Joseph Health Science Center, Cincinnati, OH, Apr 2010 (15 contact hours).
192. "AmaZing! Customer Service Certificate Program," PT Development, San Antonio, TX, Apr 2010 (8 contact hours).
193. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine & Hip Disorders," Alabama Chapter of the American Physical Therapy Association Spring Conference, Orange Beach, AL, May 2010 (15 contact hours).
194. "Manipalooza," Evidence In Motion, Denver, CO, May 2010 (32 contact hours).

195. "Finance, Marketing, & Human Resources," Executive Program in Private Practice Management, Evidence In Motion, Louisville, KY, Jun 2010 (20 contact hours).
196. "Evidence-based Examination and Selected Interventions for Patients with Cervicothoracic Disorders," Carondelet Health System, Tucson, AZ, Jul 2010 (24 contact hours).
197. "Air Force Medical Service Research Symposium," Air Force Medical Service, Washington, DC, Aug 2010 (20 contact hours)
198. "Evidence-based Examination and Selected Interventions for Patients with Cervicothoracic Disorders," North Dakota State Chapter of the American Physical Therapy Association, Bismarck, ND, Sep 2010 (15 contact hours).
199. "Annual Conference," American Academy of Orthopaedic Manual Physical Therapists, San Antonio, TX, Oct 2010 (17.75 contact hours).
274. "2010 Annual Musculoskeletal Conference: The Dilemma of Low Back Pain," Benchmark Physical Therapy, Braselton, GA, Oct 2010 (12 contact hours).
200. "Annual Conference & Exposition of the Private Practice Section," Private Practice Section of the American Physical Therapy Association, Washington, DC, Nov 2010 (6 contact hours).
201. "Ethics and Professional Responsibility for Texas Physical Therapists and Physical Therapist Assistants," Wild Iris Medical Education, Inc., San Antonio, TX, Dec 2010 (2 contact hours).
202. "Managing Change, Succession Planning, Legal, Fitness, Occupational Medicine, Business Development," Executive Program in Private Practice Management, Evidence In Motion, Orlando, FL, Dec 2010 (20 contact hours).

2011

203. "Combined Sections Meeting," American Physical Therapy Association, New Orleans, LA, Feb 2011 (21 contact hours).
204. "23rd Annual Medical College of Wisconsin Sports Medicine Symposium," Medical College of Wisconsin, Milwaukee, WI, Mar 2011 (14 contact hours).
205. "Using the APTA Physical Therapist Clinical Performance Instrument for Students," American Physical Therapy Association, Mar 2011 (2 contact hours).
206. "Air Force OZO Course," Wilford Hall Medical Center, San Antonio, TX, Apr 2011.
207. "Evidence-based Examination and Selected Interventions for Patients with Lumbopelvic Spine & Hip Disorders," Evidence In Motion, University of Puget Sound School of Physical Therapy (Sponsored by Apple Physical Therapy), Tacoma, WA, Apr 2011 (15 contact hours).
208. "Manipalooza," Evidence In Motion, Denver, CO, May 2011 (32 contact hours).
209. "Air Force Medical Service Research Symposium," Air Force Medical Service, Washington, DC, Aug 2011 (20 contact hours)
210. "Managing Change, Succession Planning, Legal, Fitness, Occupational Medicine, Business Development," Executive Program in Private Practice Management, Evidence In Motion, San Diego, CA, Aug 2011 (20 contact hours).
211. "Clinical Decision-making for Patients with Low Back and Neck Pain: A New Dawn for Physical Therapists," Louisiana Physical Therapy Association, Baton Rouge, LA, Sep 2011 (16 contact hours).

2012

212. "Military Health System Research Symposium," Military Health System, Ft. Lauderdale, FL, Aug 2012 (32 contact hours).
213. "Managing Change, Succession Planning, Legal, Fitness, Occupational Medicine, Business Development," Executive Program in Private Practice Management, Evidence In Motion, San Diego, CA, Aug 2012 (20 contact hours).
214. "Executive Leadership & Development ("PTville")," Evidence In Motion Institute of Health Professions, Louisville, KY, Sep 2012 (11.75 contact hours)

- 215. "Patient Access to Physical Therapy and Key Contact Fever," Central District, Texas Physical Therapy Association, San Antonio, TX, Sep 2012 (2 contact hours).
- 216. "12th International Conference in Mechanical Diagnosis and Therapy," The McKenzie Institute International, Austin, TX, Oct 2012 (16.5 contact hours).

2013

- 217. "Combined Sections Meeting," American Physical Therapy Association, San Diego, CA, Jan 2013 (22 contact hours).
- 218. "U.S. Air Force Physical Therapy/Occupational Therapy Management Symposium," Point Loma Naval Base, San Diego, CA, Jan 2013 (20.75).
- 219. "6th Annual Graham Sessions," Private Practice Section, American Physical Therapy Association, Memphis, TN, Feb 2013 (8 contact hours).
- 220. "Evidence-Based Solutions for Improving Cervical Spine Health and Function," Rehabilitation Institute of Chicago Cervical Spine Symposium, Chicago, IL, Mar 2013 (12.5 contact hours).
- 221. "Manipalooza," Evidence In Motion Institute of Health Professions, Denver, CO, May 2013 (7.5 contact hours).
- 222. "PPS 2013 Advocacy Fly-In," Private Practice Section of the American Physical Therapy Association, Washington, DC, Jul 2013 (5 contact hours).
- 223. "Annual Conference of the California Physical Therapy Association," California Physical Therapy Association, Pasadena, CA, Sep 2013 (4 contact hours).
- 224. "Annual Conference & Exposition of the Private Practice Section," Private Practice Section of the American Physical Therapy Association, New Orleans, LA, Nov 2013 (6 contact hours).
- 225. "Military and Veteran Health Research Forum," Canadian Institute for Military and Veteran Health Research, Edmonton, Alberta, Canada, Nov 2013 (19.75 contact hours).

2014

- 226. "Combined Sections Meeting," American Physical Therapy Association, Las Vegas, NV, Feb 2014 (19 contact hours).
- 227. "Using the APTA Physical Therapist Clinical Performance Instrument for Students: A Self Guided Training Course," American Physical Therapy Association, Alexandria, VA, Mar 2014 (2 contact hours).
- 228. "Using the APTA Physical Therapist Clinical Performance Instrument for Students," American Physical Therapy Association, Alexandria, VA, Mar 2014 (2 contact hours).
- 229. "Management of Lumbopelvic Disorders," Evidence In Motion, Canadian Back Institute, Victoria, British Columbia, Mar 2014 (24 contact hours).
- 230. "Team Leadership Retreat," Texas Physical Therapy Specialists, Horseshoe Bay, TX, Apr 2014 (5.75 contact hours).
- 231. "Manipalooza," Evidence In Motion Institute of Health Professions, Denver, CO, May 2014 (24 contact hours).
- 232. "NEXT," American Physical Therapy Association, Charlotte, NC, Jun 2014 (21 contact hours).
- 233. "Preparing the Next Generation of Physical Therapists for Innovative Practice: Physical Therapy Leaders Networking to Transform Health Care," Woods Duncan Consulting, Washington, DC, Jul 2014 (17 contact hours).
- 234. "Annual Conference," American Academy of Orthopaedic Manual Physical Therapists, San Antonio, TX, Oct 2014 (17.75 contact hours).
- 235. "Annual Conference & Exposition of the Private Practice Section," Private Practice Section of the American Physical Therapy Association, Colorado Springs, CO, Nov 2014 (8 contact hours).

2015

- 236. "8th Annual Graham Sessions," Private Practice Section, American Physical Therapy Association, Savannah, GA, Jan 2015 (0 contact hours).
- 237. "Ethics & Professional Responsibility for Physical Therapy Professionals," Biologix Solutions, Feb 2015 (2.2 contact hours).
- 238. "Combined Sections Meeting," American Physical Therapy Association, Indianapolis, IN, Feb 2015 (21 contact hours).
- 239. "Taste of EIM: Transforming Aging," Evidence In Motion, Chicago, IL, Apr 2015 (12 contact hours).
- 240. "FOTO Conference," FOTO, Knoxville, TN, Apr 2015 (8 contact hours).
- 241. "Manipalooza," Evidence In Motion, Denver, CO, May 2015 (24 contact hours).
- 242. "Unencumbered Conference," Texas Physical Therapy Association and Physical Therapy Business Alliance, Dallas, TX, May 2015 (8 contact hours).
- 243. "Leadership & Management Training for Physical Therapists," PTville, Evidence In Motion Institute of Health Professions, Dallas, TX, Oct 2015 (26 contact hours).
- 244. "Annual Conference," American Academy of Orthopaedic Manual Physical Therapists, Louisville, KY, Oct 2015 (180.8 contact hours).
- 245. "Annual Conference & Exposition of the Private Practice Section," Private Practice Section of the American Physical Therapy Association, Orlando, FL, Nov 2015 (8 contact hours).

2016

- 246. "Called To Care," Evidence In Motion Institute of Health Professions, San Antonio, TX, Jan 2016 (11.5 contact hours).
- 247. "Annual Curriculum Retreat and IRB/OSPR In-service," Doctor of Physical Therapy Program, South College, San Antonio, TX, Jan 2016 (16 contact hours).
- 248. "Combined Sections Meeting," American Physical Therapy Association, Anaheim, CA, Feb 2016 (13 contact hours).
- 249. "Developing Program Workshop," Combined Sections Meeting, Commission on Accreditation in Physical Therapy Education, Anaheim, CA, Feb 2016 (6 contact hours).
- 250. "Self-study Workshop," Combined Sections Meeting, Commission on Accreditation in Physical Therapy Education, Anaheim, CA, Feb 2016 (13 contact hours).
- 251. "Manipalooza," Evidence In Motion, Denver, CO, Apr 2016 (24 contact hours)
- 252. "NEXT," American Physical Therapy Association, Nashville, TN, Jun 2016 (20 contact hours).
- 253. "ISPI Clinical Conference 2016," International Spine & Pain Institute, Minneapolis, MN (18 contact hours).
- 254. "Annual Conference & Exposition of the Private Practice Section," Private Practice Section of the American Physical Therapy Association, Las Vegas, NV, Oct 2016 (16 contact hours).
- 255. "Recognizing & Reporting Child Abuse," School of Social Work, University of Pittsburgh, Pittsburgh, PA (3 contact hours).

2017

- 256. "10th Annual Graham Sessions," Private Practice Section, American Physical Therapy Association, Tampa, FL, Jan 2017 (20 contact hours).
- 257. "Annual Curriculum Retreat and IRB/OSPR In-service," Doctor of Physical Therapy Program, South College, San Antonio, TX, Jan 2017 (16 contact hours).
- 258. "Combined Sections Meeting," American Physical Therapy Association, San Antonio, TX, Feb 2017 (6 contact hours).

- 259. "Global Leadership Conference," Young President's Organization, Vancouver, British Columbia, Feb 2017.
- 260. "Manipalooza," Evidence In Motion, Denver, CO, Apr 2017 (24 contact hours).

2018

- 261. "Combined Sections Meeting," American Physical Therapy Association, New Orleans, LA, Feb 2018 (18 contact hours).
- 262. "Align Conference," Evidence In Motion Institutes of Health Professions, Denver, CO, Jun 2018 (26 contact hours).
- 263. "Annual Meeting & Delegate Assembly," Federation of State Boards of Physical Therapy, Reston, VA, Oct 2018 (8 contact hours).

2019

- 264. "Texas Jurisprudence Assessment," Federation of State Boards of Physical Therapy, Feb 2019 (2 contact hours).
- 265. "Manipalooza," Evidence In Motion, Dallas, TX, Nov 2019 (21 contact hours).

2020

- 266. "Combined Sections Meeting," American Physical Therapy Association, Denver, CO, Feb 2020 (18 contact hours).
- 267. "Align Conference," Evidence In Motion Institutes of Health Professions, Virtual, Aug 2020 (15 contact hours).
- 268. "Recognizing and Reporting Child Abuse," University of Pittsburgh School of Social Work, PA Child Welfare Resource Center, Oct 2020 (3 contact hours).

2021

- 269. A Clinician's Guide to Recognizing and Responding to Human Trafficking in Texas, Elite Professional Education, Feb 2021 (1 contact hour).
- 270. "Texas Jurisprudence Assessment," Federation of State Boards of Physical Therapy, Feb 2021 (2 contact hours).
- 271. "Combined Sections Meeting," American Physical Therapy Association, Virtual, Feb 2021 (20 contact hours).
- 272. "Disruptive Innovation Summit," Physical Therapy Learning Institute, Virtual, Apr 2021 (6 contact hours).

2022

- 273. "The Way Forward: Critical Conversations for a Bright Future," Spring Conference, Wisconsin Chapter of the American Physical Therapy Association, Oshkosh, WI, April 2022 (6 contact hours).
- 274. "Are We Really Educating PTs to Transform Society?," Disruptive Innovation Summit, Physical Therapy Learning Institute, Virtual, Apr 2022 (6 contact hours).
- 275. "Recognizing and Reporting Child Abuse," University of Pittsburgh School of Social Work, PA Child Welfare Resource Center, Oct 2022 (3 contact hours).
- 276. "Annual Conference & Exposition of the Private Practice Section," Private Practice Section of the American Physical Therapy Association, Denver, CO, Nov 2022 (19.5 contact hours).

2023

- 277. "16th Annual Graham Sessions," Institute of Private Practice Physical Therapy, Private Practice Section, American Physical Therapy Association, New Orleans, LA, Jan 2023 (16 contact hours).
- 278. "Human Trafficking Overview for Texas Healthcare Professionals," Elite Learning, Feb 2023 (1 contact hour).
- 279. "Texas Jurisprudence Assessment," Federation of State Boards of Physical Therapy, Feb 2023 (2 contact hours).
- 280. "Curricular Bloat and Unwarranted Variability: Now is the Time for Curricular Reform," Disruptive Innovation Summit, Physical Therapy Learning Institute, Virtual, Apr 2023 (6 contact hours).