

Curriculum Vitae

MAJ(R) Daniel I. Rhon

PERSONAL INFORMATION

Business Address: Center for the Intrepid
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Email: daniel_rhon@baylor.edu / daniel.i.rhon.ctr@mail.mil

Birth date: June 13, 1975

Birthplace: Melbourne, Australia

Language Proficiency: English, Spanish

Professional License: Texas: #115268 / Washington: # 60083664 (not active)

Certifications: Board Certified in Orthopaedic Physical Therapy (APTA)
Fellow, American Academy Orthopaedic Manual Physical Therapy

LinkedIn Profile: <http://www.linkedin.com/in/danrhon>

Publons (Journal Reviewer): <https://publons.com/a/547637/>

POSITIONS AND EMPLOYMENT

2003-2005 Staff Physical Therapist, William Beaumont Army Medical Center, El Paso, TX

2005-2006 Brigade Physical Therapist, 4th Brigade Combat Team, 4th Infantry Division, Baghdad, Iraq. (Chief of Physical Therapy, and Division Physical Therapy Liaison to Division Surgeon)

2007-2009 Doctoral Candidate and Fellowship Training (AAOMPT), US Army-Baylor Postprofessional Doctoral Fellowship in Orthopaedic Manual Physical Therapy

2009-2012 Primary Faculty, Evidence in Motion OMPT Fellowship

2009-2012 Member, Army Western Regional Medical Command Institutional Review Board

2009-2014 Director of Research, Department of Physical Medicine & Rehabilitation Research Program, Madigan Army Medical Center, Tacoma, WA

2009-Present Continuing Education Faculty, Evidence in Motion

2014-Present Lead Officer for Army SP Corps Lines of Research 1.1 – “Illness & Injury Prevention Research Program: Illness and Injury Screening” and 2.2 “Disease and NBI Management & Rehabilitation Research Program: Musculoskeletal Medicine”

2014- 2015 Faculty, Military Musculoskeletal Residency, AMEDD C&S, Fort Sam Houston, TX

2014-2016 Director of Physical Therapy, Center for the Intrepid, San Antonio Military Medical Center, San Antonio, TX

2015-2017 Director, Clinical Outcomes Research, Center for the Intrepid, San Antonio Military Medical Center, San Antonio, TX

2014-Present Assistant Professor, Doctoral Program in Physical Therapy, Baylor University, Fort Sam Houston, TX

2017-Present Vice President, American Academy of Orthopaedic Manual Physical Therapists (AAOMPT)

2017-Present Primary Investigator, Geneva Foundation, Center for the Intrepid, Brooke Army Medical Center, Fort Sam Houston, TX

2017-Present ORISE Research Fellow, G 3/5/7 Physical Performance Service Line, Office of the Surgeon General, Falls Church, VA

2018-Present Assistant Professor, Department of Orthopaedic Surgery, Duke University Medical Center, Durham, NC

EDUCATION

Civilian

Research Fellowship, Post Doctoral, University of Utah, UT	2011-2014
Clinical Fellowship, Orthopaedic & Manual Physical Therapy Brooke Army Medical Center, TX	2007-2008
Doctor of Science (D.Sc.) in Orthopaedic Physical Therapy, Baylor University, TX	2007-2008
Doctor of Physical Therapy (DPT), Temple University, PA	2005-2007
Master of Physical Therapy (MPT), Baylor University, TX	2001-2003
Bachelor of Science in Applied Health, Azusa Pacific University, Azusa, CA Minor in Spanish and Psychology	2001
Magna Cum Laude	

Military

U.S. Army Command and General Staff College (2013-2014)
Army Medical Department Captain's Career Course (8 weeks – 2007)
Airborne School, Fort Benning, GA (3 weeks – 2005)
Mountain Expert Field Medical Badge, Fort Carson, CO (2 weeks – 2004)
Army Medical Department Officer Basic Course – Platoon Leader (10 weeks – 2001)
Survive Evade Resist Escape (SERE) Training,
Fleet Aviation Special Operations Training Group (2 weeks – 1997)
Maritime Special Purpose Force Reconnaissance and Surveillance Course
1st Marine Expeditionary Force (4 weeks – 1997)
USMC Scout Sniper Course, 1st Marine Division (10 weeks – 1997)
USMC Scout Sniper Course, 1st Marine Regiment (5 weeks – 1996)
Scout Swimmers Course, Expeditionary Warfare Training Group – Pacific (3 weeks – 1995)
Rifleman's Course, School of Infantry, 1st Marine Division (8 weeks – 1995)
USMC Basic Training, San Diego (12 weeks – 1994)

PROFESSIONAL ORGANIZATION AFFILIATION

American Physical Therapy Association (APTA)
Orthopedic Section Member, APTA
Sports Section Member, APTA
Research Section Member, APTA
Federal Section Member, APTA
Arizona Physical Therapy Association, AZPTA
American Academy of Orthopedic Manual Physical Therapy (AAOMPT)
Research Committee Member for AAOMPT
American College of Rheumatology: Association of Rheumatology Health Professionals (ARHP)
American College of Sports Medicine

RECOGNITION

2015 COL Mary Lipscomb Hamrick Lifetime Research Award (“recognizes an outstanding senior SP Corps Officer who has a collection of research or clinical investigation contributions, that have had strategic impact and have positively influenced Army Medicine”)

- 2015 Army Medical Department (AMEDD) ‘Iron Major’ – Leadership designation for Top 1% of Officers with the rank of Major in Army Medicine.
- 2014 Rose Excellence in Research Award given for the best research article published in 2014 on orthopaedic physical therapy by the orthopaedic section of the American Physical Therapy Association.
- 2014 Army Medical Specialist Corps Research Manuscript Award
- 2011 Army New Horizons Research Award
(awarded to one emerging research-clinician Army-wide each year)
- 2004 Army Medical Specialist Corps Award of Excellence in Physical Therapy
(awarded to one physical therapist Army-wide each year)

PUBLICATIONS (PEER-REVIEWED)

Rhon DI, Miller RB, Fritz JM *Effectiveness and Downstream Healthcare Utilization for Patients that Received Early Physical Therapy Versus Usual Care for Low Back Pain: A Randomized Clinical Trial*. Spine (Phila Pa 1976). 2018 Feb 27 [Epub ahead of print]

Clewley D, **Rhon DI**, Koppenhaver SL, Flynn T, Cook CE. *Physical Therapists Familiarity and Beliefs about Health Services Utilization and Health Seeking Behavior*. Accepted in Braz J Phys Ther.

Mansell NS, **Rhon DI**, Meyer J, Slevin JM, Marchant BG. *Arthroscopic Surgery or Physical Therapy for Patients With Femoroacetabular Impingement: A Randomized Clinical Trial With 2-Year Follow-up*. 2018 Feb 1:363546517751912. doi: 10.1177/0363546517751912. [Epub ahead of print]

Rhon DI, Snodgrass SJ, Cleland JA, Greenlee TG, Sissell CD, Cooke CE. *Comparison of Downstream Health Care Utilization, Costs, and Long-Term Opioid Use for Physical Therapist Management Versus Opioid Therapy Management After Arthroscopic Hip Surgery*. Accepted and in press in Physical Therapy (currently planned for Pain Special Issue – May 2018)

Rhon DI, Clewley D, Young JL, Sissel CD, Cook CE. *Leveraging healthcare utilization to explore outcomes after arthroscopic hip surgery: methodology for defining relevant variables from a health services database*. BMC Med Inform Decis Mak. 2018 Jan 10;1–11. [Epub ahead of print]

Young J, **Rhon DI**, Snodgrass SJ, Cleland JA. *The Influence of Exercise Dosing on Effect Sizes for Knee Disorders: A Systematic Review*. J Orthop Sports Phys Ther. 2018 Jan 10:1-47. [Epub ahead of print]

Young J, **Rhon DI**, de Zoete RJ, Cleland JA, Snodgrass SJ. *The influence of dosing on effect size of exercise therapy for musculoskeletal foot and ankle disorders: a systematic review*. Braz J Phys Ther. 2017 Nov 4. [Epub ahead of print]

Hando BR, **Rhon DI**, Whitman JM, Boyles RE, English JL. *Translational manipulation under anesthesia for patients with frozen shoulder: a case series study with five-year health care utilization and post-manipulative arthroscopic findings*. J Man Manip Ther. 2017 Dec;25(5):270-278.

Rhon DI, Greenlee TA, Fritz JM. *Utilization of manipulative treatment for spine and shoulder conditions between different medical providers in a large military hospital.* Arch Phys Med Rehabil. 2018 Jan;99(1):72-81.

Rhon DI, Magel JS. *The influence of smoking on recovery from subacromial pain syndrome: a cohort from the Military Health System.* US Army Med Dep J. 2017 Oct-Dec;(3-17):36-42.

Hearn DW, **Rhon DI**, Goss DL, Thelen MD. *The Musculoskeletal Readiness Screening Tool: Evaluation of a Novel Field Expedient Musculoskeletal Injury Screening Tool in the Army Basic Training Population.* Mil Med. 2017 Jul;182(7):e1862-e1868.

Cook CC, **Rhon DI**, Lewis BD, George SZ. *Post-operative opioid pain management patterns for patients who receive hip surgery.* Subst Abuse Treat Prev Policy. 2017 Mar 16;12(1):14

Rhon DI, Golden KJ, Trevino AJ, Hatler BS. *Soldier Readiness Processing: Time For a New Paradigm In Managing Musculoskeletal Injuries After Deployment?* Mil Med. 2017 Mar;182(3):e1569-e1574.

Rhon DI, Lentz TA, George SZ. *Unique Contributions of Body Diagram Scores and Psychosocial Factors to Pain Intensity and Disability in Patients with Musculoskeletal Pain in a Military Primary Care Clinic.* J Orthop Sports Phys Ther 2017 Feb;47(2):88-96.

Kardouni JR, Shing TL, **Rhon DI**. *Risk Factors for Low Back Pain and Spine Surgery: A Retrospective Cohort Study in Soldiers.* Am J Prev Med. 2016 Nov;51(5):e129-e138.

Teyhen DS, Shaffer SW, Butler RJ, Goffar SL, Kiesel KB, **Rhon DI**, Boyles RE, McMillian DJ, Williamson JN, Plisky PJ. *Application of Athletic Movement Tests that Predict Injury Risk in a Military Population: Development of Normative Data.* Mil Med. 2016 Oct;181(10):1324-1334

Teyhen DS, **Rhon DI**, Butler RJ, Shaffer SW, Goffar SL, McMillian DJ, Boyles RE, Kiesel KB, Plisky PJ. *Association of physical inactivity, weight, smoking, and prior injury on physical performance in a military setting.* J Athl Train. 2016 Nov;51(11):866-875.

Deyle GD, Gill NW, Allen CS, **Rhon DI**, Hando BR, Allison SA, Petersen, EJ. *A multicenter randomized, 1-year comparative effectiveness, parallel-group trial protocol of a physical therapy approach compared to corticosteroid injections.* BMJ Open. 2016 Mar 31;6(3):e010528.

Mansell NS, **Rhon DI**, Marchant BG, Slevin JM, Meyer JL. *Two-year outcomes after arthroscopic surgery compared to physical therapy for femoroacetabular impingement: A protocol for a randomized clinical trial.* BMC Musculoskelet Disord. 2016 Feb 4;17(1):60

Rhon DI, Fritz JM. *COMParative Early Treatment Effectiveness between physical therapy and usual care for low back pain (COMPETE): study protocol for a randomized controlled trial.* Trials. 2015 Sep 23;16(1):423.

Teyhen DS, Shaffer SW, Butler RJ, Goffar SL, Kiesel KB, **Rhon DI**, Williamson JN, Plisky PJ. *What Risk Factors Are Associated With Musculoskeletal Injury in US Army Rangers? A Prospective Prognostic Study.* Clin Orthop Relat Res. 2015 Sep;473(9):2948-58

Rhon DI, Boyles RB, Cleland JA. *One-year outcome of subacromial corticosteroid injection compared with manual physical therapy for the management of the unilateral shoulder impingement syndrome: a pragmatic randomized trial.* Ann Intern Med. 2014 Aug 5;161(3):161-9.

Rhon DI, Hando BR. *Letter to the Editor: External Rotation Immobilization for Primary Shoulder Dislocation: A Randomized Controlled Trial*. Clin Orthop Relat Res. 2014 Jun;472(6):1992-3.

Rhon DI, Deyle GD, Gill NW, Rendeiro DG. *Manual physical therapy and perturbation exercises in knee osteoarthritis*. JMMT. 2013;21(4):220-229.

Rhon DI, Deyle GD, Gill NW. *Clinical Reasoning and Advanced Practice Privileges Enable Physical Therapist Point-of-Care Decisions in the Military Health Care System: 3 Clinical Cases*. Phys Ther. 2013 Sep;93(9):1234-43.

Chelsea CL, **Rhon DI** *Differential diagnosis and management of ankylosing spondylitis masked as adhesive capsulitis: A Resident's Case Problem* J Orthop Sports Phys Ther 2012;42(10):842-52.

Rhon DI, Boyles RE, Cleland JA, Brown DL. *A manual physical therapy approach versus subacromial corticosteroid injection for treatment of shoulder impingement syndrome: a protocol for a randomized clinical trial*. BMJ Open 2011;2:e000137.doi:10.1136/bmjopen-2011-000137.

Rhon DI. *A Physical Therapist Experience, Observation, and Practice With an Infantry Brigade Combat Team in Support of Operation Iraqi Freedom*. Mil Med 2010 June;175(6):442-7.

Rhon DI, Gill N, Teyhen D, Scherer M, Goffar S. *Clinician perception of the impact of deployed physical therapists as physician extenders in a combat environment*. Mil Med 2010 May;175(5):305-12.

Rhon DI. [Letter to the Editor] *Re: Katz JN, Harris MB. Lumbar Spinal Stenosis*. N Engl J Med 2008 Jun 12;358(24):2647; author reply 2647-8

Rhon DI. [Letter to the Editor] *Re: Zhang W, Moskowitz RW, Nuki G, et al. OARSI recommendations for the management of hip and knee osteoarthritis, Part II: OARSI evidence-based, expert consensus guidelines*. Osteoarthritis Cartilage 2008;16:137-62.

Cliborne AV, Wainner RS, **Rhon DI**, Judd CD, Fee TT, Matekel RL, Whitman JM. *Reliability of provocative hip tests and functional squat test in patients with knee osteoarthritis: incidence of positive test findings and short-term response to hip mobilizations*. J Orthop Sports Phys Ther 2004 Nov;34(11):676-85.

PUBLICATIONS (NON PEER-REVIEWED)

Rhon DI, *Screening for Rheumatoid Arthritis in Pregnant Patients: Critically Appraised Topic (CAT)*. AAOMPT Articulations 2008 Jan-Feb (14)1.

ACKNOWLEDGEMENTS

Silvernail JL, Gill NW, Teyhen DS, et. al. *Biomechanical measures of knee joint mobilization*. J Manual & Manipulative Ther 2011: 19(3):162-171(10)

NATIONAL AND INTERNATIONAL RESEARCH PRESENTATIONS

Lentz TA, **Rhon DI**, George SZ. *Do Pain Intensity and Disability Directly Influence Healthcare Utilization and Costs for Musculoskeletal Pain? Results of a Multiple Mediation Analysis*. Submitted for 17th World Congress, International Association for the Study of Pain (IASP), Boston, MA September 2018.

Rhon DI, Lentz TA, George SZ. *Use of a Pain Catastrophizing and Body Diagram Score Classification to Predict Health Care Utilization and Cost Outcomes for Musculoskeletal Pain*. Submitted for 17th World Congress, International Association for the Study of Pain (IASP), Boston, MA September 2018.

Mansell NS, **Rhon DI**, Marchant BG, Slevin JM, Meyer J. *Arthroscopic surgery or physical therapy for patients with femoroacetabular impingement: a randomized controlled trial with 2-year follow up*. Podium, APTA CSM Meeting, New Orleans, LA, February 2018.

Published Abstract: J Orthop Sports Phys Ther 2018;48(1):A1–A29 (OPL39).

Ojha H, Fritz JM, Brandi J, Wu J, Malistky A, Fleming K, Beidelman R, **Rhon DI**, Weiner M, Wright G. *Direct access physical therapy portal of entry compared with physician portal of entry for Temple University employees with recent onset musculoskeletal conditions: A blinded randomized controlled trial*. Podium, APTA CSM Meeting, New Orleans, LA, February 2018.

Published Abstract: J Orthop Sports Phys Ther 2018;48(1):A1–A29 (OPL46).

Rhon DI, Snodgrass SJ, Cleland JA, Cook, CC. *A comparison of downstream healthcare utilization, costs, and long-term opioid use between physical therapy or opioid therapy management after arthroscopic hip surgery*. Podium, APTA CSM Meeting, New Orleans, LA, February 2018.

Published Abstract: J Orthop Sports Phys Ther 2018;48(1):A1–A29 (OPL48).

Rhon DI, Greenlee TA, Fritz JM. *Comparison of prescription opioid and manual therapy use on 1-year healthcare costs in patients with spine and shoulder pain*. Poster, APTA CSM Meeting, New Orleans, LA, February 2018.

Published Abstract: J Orthop Sports Phys Ther 2018;48(1):A67–A202. (OPO231).

Clewley D, **Rhon D**, Koppenhaver S, Flynn T, Cook CC. *Health seeking behavior as an explanation of health services utilization for neck and back pain*. Podium, APTA CSM Meeting, New Orleans, LA, February 2018.

Published Abstract: J Orthop Sports Phys Ther 2018;48(1):A1–A29. (OPL14).

Young JL, **Rhon DI**, Snodgrass SJ, Cleland JA. *Do Specific Dosing Variables Impact the Effect of Exercise Therapy for Knee Disorders?* Podium, APTA CSM Meeting, New Orleans, LA, February 2018.

Published Abstract: J Orthop Sports Phys Ther 2018;48(1):A1–A29 (OPL61).

Marchant BG, **Rhon DI**, Greenlee TA, Mansell NS. *Surgical variables that predict successful outcomes after arthroscopic surgery for femoroacetabular impingement*. Podium, Society of Military Orthopaedic Surgeons (SOMOS) Conference, Scottsdale, AZ, December 2017.

Rhon DI, Fritz JM. *Effectiveness and downstream healthcare utilization for patients that received early physical therapy versus usual care for low back pain: a randomized clinical trial.* Podium, International Low Back and Neck Forum, Oslo, Norway, September 2017.

Rhon DI, Perez KG, Eskridge SL. *Risk of Post Traumatic Knee Osteoarthritis after Traumatic Knee Injury in Deployed Service Members.*

National: Poster, Military Health System Research Symposium, Florida, August 2017.

International: Poster, Osteoarthritis Research Society International, Annual Conference, Liverpool, UK. April 2018.

Teyhen DS, Shaffer SW, Butler RJ, Goffar SL, Kiesel KB, **Rhon DI**, Plisky PJ. *Identification of Risk Factors Prospectively Associated with Musculoskeletal Injury in a Warrior Athlete Population.* Podium, Asia-Pacific Military Health Exchange (APMHE), Singapore, May 2017.

Rhon DI, Snodgrass SJ, Cleland JA, Cook CE. *Predictors of chronic opiate use after arthroscopic hip surgery: derivation of a clinical prediction rule.* Poster, Study in Multidisciplinary Pain Research (SIMPAN) Conference, Florence, IT, April 2017.

Rhon DI, Cook CE. *Does Healthcare Seeking Behavior 12 months prior to Hip Surgery Drive Healthcare costs 2 years after Surgery?* Podium, APTA CSM Meeting, San Antonio, TX, February 2017.

Published Abstract: J Orthop Sports Phys Ther 2017;47(1):A2–A29 (OPL13).

Rhon DI, Snodgrass SJ, Cleland JA, Cook CE. *The influence of a concurrent medical diagnosis of insomnia on healthcare visits, costs, and opioid use in individuals undergoing arthroscopic hip surgery.*

National: Podium, APTA CSM Meeting, San Antonio, TX, February 2017

International: Poster, Study in Multidisciplinary Pain Research (SIMPAN) Conference, Florence, IT, April 2017

Published Abstract: J Orthop Sports Phys Ther 2017;47(1):A2–A29 (OPL48).

Rhon DI, Cook CE. *An assessment of the increase in frequency of comorbidities after arthroscopic hip surgery.* Podium, APTA CSM Meeting, San Antonio, TX, February 2017.

Published Abstract: J Orthop Sports Phys Ther 2017;47(1):A2–A29 (OPL49).

Dembowski J, **Rhon D**, Boyles R, Hando B. *Spinal imaging in patients with symptomatic low back pain. A systematic literature review.* Poster, APTA CSM Meeting, San Antonio, TX, February 2017

Published Abstract: J Orthop Sports Phys Ther 2017;47(1):A58–A161 (OPO60).

Koehler E, Boyles R, **Rhon D**, Hando B. *Abnormal Imaging Findings in Asymptomatic Shoulders: A Systematic Literature Review.* Poster, APTA CSM Meeting, San Antonio, TX, February 2017.

Published Abstract: J Orthop Sports Phys Ther 2017;47(1):A58–A161 (OPO119).

Christiansen M, Thoma L, Cowley R, Polakowski E, Master H, Schmitt L, **Rhon D**, White D. *The Association of Physical Activity with Outpatient Physical Therapy Utilization after Total Knee Replacement.* Poster, APTA CSM Meeting, San Antonio, TX, February 2017.

Published Abstract: J Orthop Sports Phys Ther 2017;47(1):A58–A161 (OPO40).

Shing TL, Kardouni JR, **Rhon DI**. *Low Back Pain Incidence and Rate of Chronicity in U.S. Army Soldiers: an Epidemiologic Study*. Poster, American College of Sports Medicine Annual Meeting, June 2016.

Rhon DI, Lee H, Mysliwiec V. *Does sleep quality moderate the relationship between pain intensity and healthcare utilization? Longitudinal analysis from a cohort of patients with low back pain.*

National: Poster, APTA CSM Meeting, San Antonio, TX, February 2017

International: Podium presentation, International Back and Neck Pain Forum, Buxton, UK May 2016.

Published Abstract: J Orthop Sports Phys Ther 2017;47(1):A58–A161 (OPO126).

Rhon DI, Golden KJ, Trevino AJ, Hatler BS. *Soldier Readiness Processing: Time for a New Paradigm in Managing Musculoskeletal Injuries After Deployment?* Poster, AMEDD C&S Graduate Research Symposium, San Antonio, TX. April 2016.

Rhon DI, Hando BR. *Use of physical therapy in the management of knee osteoarthritis within the military health system.*

Local: Poster, AMEDD C&S Graduate Research Symposium, San Antonio, TX. April 2016.

National: Podium, APTA CSM Meeting, Orthopaedics Section. Anaheim, CA. February 2016.

International: Poster, Osteoarthritis Research Society International, Annual Conference, Amsterdam, NL. April 2016.

Published Abstract: J Orthop Sports Phys Ther 2016;46(1):A2–A28 (OPL44).

Rhon DI, Lentz TA, George SZ. *Moderation effects of pain catastrophizing and fear avoidance beliefs on the relationship between body symptom diagram score, pain intensity and self-reported disability.* Podium, APTA CSM Meeting, Anaheim, CA. February 2016.

Published Abstract: J Orthop Sports Phys Ther 2016;46(1):A2–A28 (OPL45).

Hearn DW, **Rhon DI**, Thelen MD, Goss, DL, Stoltenberg BE. *Evaluation of a Musculoskeletal Readiness Screening Tool.* Poster, APTA CSM Meeting, Anaheim, CA. February 2016.

Butler RJ, Hammond M, Meister A, Penna A, Selzer M, Wedemeyer A, Goffar SL, Kiesel KB, Plisky PJ, **Rhon DI**, Shaffer SW, Teyhen DS. *Return to Duty Testing following Ankle Injury: Tiered approach to function and performance.* Poster, APTA CSM Meeting, Anaheim, CA. February 2016.

Published Abstract: J Orthop Sports Phys Ther 2016;46(1):A158–A208 (SP015).

Rhon DI, Lentz TA, George SZ. *Symptom distribution on body diagrams: Inter-rater reliability and association with pain intensity.*

Local: Poster, AMEDD C&S Graduate Research Symposium, San Antonio, TX. April 2016

National: Poster, APTA CSM Meeting, Indianapolis, IN. February 2015.

Published Abstract: J Orthop Sports Phys Ther 2015;45(1):A1–A18 (OPO3202).

Shaffer SW, Teyhen DS, Butler RJ, Williams, AM, Prye JC, Goffar SL, Kiesel KB, **Rhon DI**, Plisky PJ. *Musculoskeletal Injury Rates Among Different Categories of Soldiers.*

National: Podium, APTA CSM Meeting, Orthopaedics Section Indianapolis, IN, February 2015.

International: Podium, 3rd International Congress on Soldiers' Physical Performance, Boston, MA, Aug 2014.

Published Abstract: J Orthop Sports Phys Ther 2015; 45(1): A37-38 (OPL46).

Teyhen DS, Shaffer SW, Butler RJ, Goffar SL, Kiesel KB, **Rhon DI**, Williamson JN, Plisky PJ. *Identification of Intrinsic Risk Factors Associated with Musculoskeletal Injury in Rangers.*

National: Podium, APTA CSM Meeting, Orthopaedics Section Indianapolis, IN, February 2015.

International: Podium, 3rd International Congress on Soldiers' Physical Performance, Boston, MA, Aug 2014.

Published Abstract: J Orthop Sports Phys Ther 2015; 45(1): A46 (SPL1).

Teyhen DS, Shaffer SW, Butler RJ, Goffar SL, Kiesel KB, **Rhon DI**, Plisky PJ. *Factors Associated with Predicting Time-loss Injuries in Active Duty Soldiers.*

National: Podium, APTA CSM Meeting, Orthopaedics Section Indianapolis, IN, February 2015.

International: Podium, 3rd International Congress on Soldiers' Physical Performance, Boston, MA, Aug 2014.

Published Abstract: J Orthop Sports Phys Ther 2015; 45(1): A37 (OPL45).

Rhon DI, Boyles RB, Cleland JA. *One-year outcome of subacromial corticosteroid injection compared to manual physical therapy for the management of unilateral shoulder impingement syndrome: a pragmatic randomized clinical trial.*

National: Podium, APTA CSM Meeting, Orthopaedics Section IN, February 2015.

International: Poster, World Congress for Physical Therapy, Singapore, May 2015.

Published Abstract: J Orthop Sports Phys Ther 2015; 45(1): A30 (OPL28).

Rhon DI, Fritz JM. *Identification of potential adverse events following spinal manipulation.* Poster, XIII International Back Pain Forum, Campos do Jordao, Brazil, October 2014.

Rhon DI, Fritz JM. *Potential adverse events following spinal manipulation. A comparison between 3 disciplines.* Podium, American Academy of Orthopaedic Manual Physical Therapists Annual Conference, Oct 2014.

Teyhen DS, Shaffer SW, Butler RJ, Goffar SL, Kiesel KB, **Rhon DI**, Plisky PJ. *Influence of Pain and Prior Injury on Musculoskeletal Injury Occurrence: A Prospective Review of a Large Military Cohort.*

National: Podium, APTA CSM Meeting, Orthopaedics Section Las Vegas, NV, February 2014.

International: Podium, 3rd International Congress on Soldiers' Physical Performance, Boston, MA, Aug 2014.

Published Abstract: J Orthop Sports Phys Ther 2014; 44(1): A39-40 (OPL48).

Teyhen DS, **Rhon DI**, Butler RJ, Shaffer SW, Goffar SL, McMillian D, Boyles, RE, Kiesel KB, Plisky PJ. *Influence of Physical Activity, Weight, Smoking and Prior Injury on Performance.*

National: Poster, APTA CSM Meeting, Orthopaedics Section Las Vegas, NV, February 2014.

International: Poster, 3rd International Congress on Soldiers' Physical Performance, Boston, MA, Aug 2014.

Published Abstract: J Orthop Sports Phys Ther 2014; 44(1): A167 (SPO1251).

Rhon DI, Teyhen DS, Shaffer SW, Butler RJ, Goffar SL, Kiesel KB, Boyles RE, McMillian D, Williamson JN, Plisky PJ. *Comparison of Performance between Rangers, Combat, Combat Service, and Combat Service Support Soldiers on Multiple Performance Measures Predictive of Injury Risk.*

National: Poster, Federal Section, APTA Annual Combined Sections Meeting: San Diego, CA. January 2013

International: Podium, 3rd International Congress on Soldiers' Physical Performance, Boston, MA, Aug 2014.

Teyhen D, Shaffer S, Butler, R; Goffar, S; Kiesel, K; **Rhon D**; Boyles R, McMillian D, Williamson J, Plisky P; *Application of Athletic Movement Tests that Predict Injury Risk in a Military Population: Development of Normative Data.*

Local: Poster, MAMC Regional Research Day, Tacoma, WA. April 2012.

National: Poster, Federal Section, APTA Annual Combined Sections Meeting: San Diego, CA. January 2013

Rhon DI, Boyles RA, Cleland JA; *Smoking and shoulder pain? Correlation with change in short-term pain and disability in patients with shoulder impingement syndrome.* Poster, Orthopaedic Section, APTA Annual Combined Sections Meeting: San Diego, CA. January 2013.

Published Abstract: J Orthop Sports Phys Ther 2013;43(1):A64–A125 (OPO2239).

Rhon DI, Boyles RE, Cleland JA, Brown DL; *A manual physical therapy approach compared to corticosteroid injection for the treatment of shoulder impingement syndrome: short-term results (3 months) from a randomized controlled trial.*

Local: Podium, MAMC Regional Annual Research Day, Tacoma, WA. April 2012.

International: Podium, IFOMPT Conference, October 2012, Quebec City, Canada

Rhon DI, *Temporomandibular dysfunction masking mandibular neoplasm: differential diagnosis and the value of diagnostic imaging.* Poster, APTA Annual Combined Sections Meeting: New Orleans, LA. February 2011.

Published Abstract: J Orthop Sports Phys Ther 2011;41(1):A52-A93 (OPO2150).

Rhon DI, Shaffer SW, Gill NW, Ayotte NW, Hando BR. *Interrater reliability and precision of balance, physical performance, and strength measures in patients with hip and knee osteoarthritis.* Poster, APTA Annual Combined Sections Meeting: New Orleans, LA. February 2011.

Published Abstract: J Orthop Sports Phys Ther 2011;41(1):A52-A93 (OPO2149).

Jordan CL, **Rhon DI**. *A case of adhesive capsulitis masking occult ankylosing spondylitis: differential diagnosis and management.* Poster, APTA Annual Combined Sections Meeting: San Diego, CA. February 2010.

Published Abstract: J Orthop Sports Phys Ther 2010;40(1):A52-A98 (OPO2143).

Rhon DI. *Provider sentiment on the impact of physical therapist augmentation during wartime Level I & II medical care.* Podium, MAMC Regional Research Day, Tacoma, WA. April 2010.

Rhon DI. *Orthopaedic manual physical therapy and perturbation-specific exercises in the treatment of knee osteoarthritis.*

Local: Podium, MAMC Regional Research Day, Tacoma, WA. April 2010.

National: Podium, AAOMPT 15th Annual Conference: October 2009, Washington DC

Rhon DI. *A manual physical therapy approach for non-operative management of full-thickness rotator cuff tears: a case series.*

Local: Poster, Mary Lipscomb Hamrick Research Course: San Antonio, TX. April 2009.

National: Poster, AAOMPT 15th Annual Conference: Washington, DC. October 2009.

Rhon DI. *Provider sentiment on the impact of physical therapist augmentation during wartime Level I & II patient care.*

Local: Poster, Mary Lipscomb Hamrick Research Course: San Antonio, TX. 31 March 2008.

National: Podium, 11th Annual Force Health Protection Conference, Louisville, KY. August 13 2008.

National: Podium, APTA Combined Sections Meetings, Las Vegas, NV. February 2009.

Published Abstract: J Orthop Sports Phys Ther 2009;39(1):A13-A38 (OPL57).

Rhon DI. *The challenge of diagnostic imaging on the battlefield: Can evidence-based algorithms make a difference?* Podium, 11th Annual Force Health Protection Conference, Louisville, KY. August 13, 2008.

TEACHING/EDUCATIONAL PRESENTATIONS & ACTIVITIES

Rhon DI, Westrick RB. *Injury Prediction, Prevention, & Disability: should we shift our efforts?* Accepted for the “Science Meets Practice” educational breakout session sponsored by the APTA Sports Section, APTA CSM, New Orleans, LA. February 2018.

Teyhen DS, Boland DM, Silvernail JL, **Rhon DI.** *Moving Patients to Health: Integrating Holistic Health and Fitness into Practice.* Accepted for Educational breakout session sponsored by the APTA Federal Section, APTA CSM, New Orleans, LA. February 2018.

Cook CE, **Rhon DI,** George SZ. *The Duplicity of Opioids for Treatment of Chronic Pain.* Accepted for Educational breakout session sponsored by the APTA Orthopaedic Section, APTA CSM, New Orleans, LA. February 2018.

Rhon DI, Teyhen DS, Newman P, Monnier A, de la Motte S. *Predicting Injuries in the Military: What Works, What Doesn't, and Does It Even Matter?* Thematic session at the 4th International Congress on Soldier Physical Performance, Melbourne, Australia. November 28 – December 1, 2018.

Published Abstracts:

- 1) Teyhen D. Predicting injuries in the military: What works, what doesn't, and does it even matter? J Sci Med Sport 2017;20:S130.
- 2) Newman P. Predicting injuries: Are we using the appropriate statistical approach? J Sci Med Sport 2017;20:S130–1.
- 3) Monnier A. Should musculoskeletal injury prevention interventions target personal and/or organizational factors? J Sci Med Sport 2017;20:S131.
- 4) de la Motte S. Primary prevention: Global prevention for all, and total force fitness. J Sci Med Sport 2017;20:S131–2.
- 5) **Rhon D.** Are we trying to prevent injuries or prevent disability? Why it matters. J Sci Med Sport 2017;20:S132.

Young BA, **Rhon DI,** Taylor GK, Lee IE, Dixon JR. *Living the future: Impact of Direct Access Physical Therapy in the US Military Health System.* Educational breakout session sponsored by the APTA Federal Section, APTA CSM, San Antonio, TX. February 2017.

Rhon DI, Boyles RB, Hando BR. *Current concepts in manual therapy for musculoskeletal shoulder disorders.* 1-day pre-conference course at the annual AAOMPT Conference, St. Louis, MO, October 2016.

Rhon DI, Hando BR. *Leveraging digital communication, collaboration, and organization tools to buy you extra hours in the day*. Educational breakout session sponsored by the APTA Research Section, APTA CSM, Anaheim, CA. February 2016.

Fritz JM, Cook C, Childs JD, Rodeghero J, **Rhon DI**. *Big Data Series*. Keynote presentation at AAOMPT, Indianapolis, IN. October 2015.

Rhon DI, Boyles RB, Cleland JA, Hando BR. *Current concepts in manual therapy for musculoskeletal shoulder disorders*. 1-day post conference course at the World Congress on Physical Therapy, Singapore, May 5, 2015.

Rhon DI. Rose excellence in research award keynote, Orthopaedic Section of the APTA, APTA Annual Combined Sections Meeting. Indianapolis, IN. February 2015.

Rhon DI, Travers SD, Hatler BS. *Physical Therapy in the Patient Centered Medical Home (PCMH) – What is our role in the collaborative multidisciplinary primary care setting?* Educational Breakout Session (Federal Section). APTA Annual Combined Sections Meeting. Indianapolis, IN. February 2015.

Teyhen DS, Kiesel KB, Butler RJ, **Rhon DI**. *Prediction, Prevention, and Preemption: Screening for sports and training injuries. What are the possibilities?* Educational Breakout Session (Federal Section). APTA Annual Combined Sections Meeting. Indianapolis, IN. February 2015.

Childs, JD, **Rhon, DI**, Aiken A, Brown H: *PTJ Symposium: Advancing the Evidence Base in Rehabilitation for Military Personnel and Veterans*. APTA Annual Conference. Salt Lake City, UT. June 2013.

Rhon DI, Roy T; *How is it the same and how is it different? Unique challenges of managing low back pain in the military*. Educational Breakout Session (Federal Section). APTA Annual Combined Sections Meeting. San Diego, CA. January 2013.

Rhon DI; *Using the “Diagnostic Image” Tool in your Toolbox – Clinically Relevant Radiology*. Education Session (Orthopaedic Section). APTA Combined Sections Meeting. San Diego, CA. January 2013.

Courtney C, Clark J, **Rhon D**; *Acute knee injury to chronic pain: clinical/neurophysiological features of osteoarthritic progression*. Focused Symposium, IFOMPT, October 2012, Quebec City, Canada

Rhon DI: *Primary Care Management of Cervicalgia*. Family Medicine Symposium hosted by Butte Premier Physical Therapy, November 2012, Chico, CA

Rhon DI, Hando BR. *Mobile Computing in Physical Therapy: Leveraging Technology to Improve Clinical Practice*. AAOMPT Annual Conference, Anaheim, CA. October 2011

Deyle GD, **Rhon DI**. *Orthopaedic Manual Physical Therapy Interventions for Osteoarthritis of the Knee: An Evidence-Based Approach*. 1 day post-conference course, California Physical Therapy Association Annual Conference. Long Beach, CA. September 2011.

Rhon DI, Hando BR, Deyle GD, Gill NW. *Orthopaedic Manual Physical Therapy Interventions in the Lower Extremity: Evidence, Evaluation and Intervention*. 1-day preconference course, APTA Combined Sections Meeting. New Orleans, LA. February 2011.

Deyle GD, Gill NW, **Rhon DI**, Hando BR. *Orthopaedic Manual Physical Therapy Interventions for Osteoarthritis of the Hip and Knee: An Evidence-Based Approach*. 2-day preconference course, AAOMPT 16th Annual Conference, San Antonio, TX. 6-7 October 2010.

Rhon DI. *Orthopedic Manual Physical Therapy for the Individual with Osteoarthritis of the Hip and Knee: Evidence, Evaluation and Intervention*. Madigan Army Medical Center, Tacoma, WA 6 February 2010. (1-day course)

Rhon DI, Gill NW. *Direct access care of musculoskeletal pathology provided by physical therapists: a wartime model*. Breakout Session: AAOMPT 15th Annual Conference, Washington DC. October 17, 2009.

Advanced Clinical Practice Course (Kersey NMSE) San Antonio, TX, November 2008.
2-Week course – Primary instructor for lower quarter and cervical manual physical therapy interventions.

Whitman JM, Cleland JA, Wainner RS, *Manual Physical Therapy Interventions for the Older Adult*. Preconference Course: AAOMPT 14th Annual Conference, Seattle, WA 28-29 October 2008.
Primary instructor for knee manual physical therapy section.

Deyle G, Garber M, **Rhon DI**. *Physical therapy interventions for knee osteoarthritis: a manual therapist perspective*. Breakout Session: AAOMPT 14th Annual Conference, Seattle, WA. November 1 2008.

Advanced Clinical Practice Course (Kersey NMSE) San Antonio, TX, September 2007.
2-Week course – Lab assistant for manual physical therapy section.

Chapman TT, **Rhon DI**. *Management and Rehabilitation of Burn Injuries*. (Translated to Spanish) Paraguay Ministry of Health, Asuncion, Paraguay. 2 August 2005.

Rhon DI. *Prevention of ACL Injuries in the Female Athlete*. Podium, 8th Annual Forces Health Protection Conference, Louisville, KY. 8 August 2005.

Rhon DI, Warme WJ, Stokes CC. *Prevention of ACL Injuries in the Female Athlete*. 2nd Annual Symposium hosted by William Beaumont Army Medical Center and Texas Tech University HHC Orthopedic Surgery Residency Program, El Paso, TX, September 2003. (and 3rd annual in August, 2004)

Rhon DI, Warme WJ. *Prevention of ACL Injuries in the Female Athlete*. (Translated to Spanish)

Chilean Army Military Academy, Santiago, Chile. 4 February 2004

Chilean Air Force Hospital, Santiago, Chile. 5 February 2004

RESEARCH SUPPORT

CURRENT & PAST

Validation of the STarT Back Screening Tool in Primary Care Management of Back Pain in the Military Health System: A Randomized Trial of Risk-Stratified Care

Daniel Rhon, PT, DPT, DSc (Primary Investigator)

AI: John Childs, PhD

Award: FY16 Department of Defense Broad Agency Agreement for Extramural Medical Research.

Amount: \$665,746

The goal of this project is to validate a tiered risk stratification algorithm for managing low back pain in the military setting.

Sequential, Multiple Randomization Trial (SMART): Stepped Care Management for Low Back in the Military Health System.

Daniel Rhon, PT, DPT, DSc (Co-PI)

Julie Fritz, PhD, University of Utah (Co-PI)

Award: NIH-DoD-VA Pain Management Collaboratory - Pragmatic Clinical Trials Demonstration Projects (UG3/UH3)

Amount: \$6.5 million

The goal of this project (RCT) is to determine optimal management strategies for patients in the MHS with chronic low back pain.

The Influence of Rehabilitation After Ankle Injuries in Active Duty Service Members: The impact of timing and dosing on downstream healthcare utilization and costs.

Role - Primary Investigator

Award: FY17-18 Department of Defense Neuromusculoskeletal Injuries Research Award, Clinical Rehabilitation Medicine Research Program, CDMRP.

Amount: \$205,560

The goal of this project is to classify neuromusculoskeletal ankle injuries occurring in active duty service members by injury type: acute or overuse in nature, and by healthcare resources utilized over 2-years, and examining the influence of clinical pathway variables on downstream costs and healthcare utilization.

Impact of Evidence-Based Nonsurgical Management Guidelines on Outcomes for Disabling Knee Injuries: Long-term Health Deficits, Disability and Economic Analysis

Role - Primary Investigator

Award: FY17-18 Department of Defense Neuromusculoskeletal Injuries Research Award, Clinical Rehabilitation Medicine Research Program, CDMRP.

Amount: \$2,319,573

The goal of this project (RCT) is to compare outcomes in patients that follow the DoD/VA guidelines for management of knee OA alone versus the guidelines in addition to early physical therapy.

Development and Implementation of a Health Informatics Outcome System in Orthopaedic Surgery (Award Mod: Enhancement to Military Orthopaedic Tracking Injuries and Outcomes Network (MOTION) for Non-Surgical Patients.)

Role – PI for Enhancement effort & integration of rehab outcomes amendment

Award and Timeline: Intramural Award #MT140020, Clinical Rehabilitation Medicine Research Program, CDRMP January – December 2017.

Amount: \$176,000

The goal of this project is to adapt the current MOTION outcomes project and 20-year registry for use and application in patients with non-surgical musculoskeletal disorders.

Clinical Feasibility of Mobile Access to Home Exercise Programs for Improving Treatment Compliance and Clinical Outcomes for Musculoskeletal Pain.

Role - Primary Investigator

Award and Timeline: AMEDD Advanced Medical Technology Initiative (AAMTI) from the Telemedicine and Advanced Technology Research Center (TATRC). Aug 2017-Aug 2019.

Amount: \$224,109

The goal of this project is to assess the influence of exercise prescription and reminders via mobile device on compliance with home exercise programs in patients.

The Clinical Feasibility of Combining Cranial Electrotherapy Stimulation (CES Alpha-Stim) and Non-invasive interactive Neurostimulation (InterX) for Optimized Rehabilitation following Extremity Immobilization

Role – Co-Investigator

Award and Timeline: AMEDD Advanced Medical Technology Initiative (AAMTI) from the Telemedicine and Advanced Technology Research Center (TATRC). Aug 2017-Aug 2019.

Amount: \$217,311

The goal of this project is to assess the influence that a combined modality has on pain modulation and prevention of symptoms associated with complex regional pain syndrome after prolonged extremity immobilization.

Mobile delivery of prescription opioid reduction strategies in patients undergoing lower extremity musculoskeletal surgery: Feasibility and impact on long-term opioid utilization

Role - Primary Investigator

Award and Timeline: AMEDD Advanced Medical Technology Initiative (AAMTI) from the Telemedicine and Advanced Technology Research Center (TATRC). Aug 2016-Aug 2018.

Amount: \$221,615

The goal of this project is to assess the effectiveness of patient educational approaches on chronic narcotic pain use after elective surgery for the lower extremity.

The effect of a pain medication educational approach before spine surgery on 6-month post-operative use of opioid medication: A randomized clinical trial

Role - Primary Investigator

Award and Timeline: AMEDD Advanced Medical Technology Initiative (AAMTI) from the Telemedicine and Advanced Technology Research Center (TATRC). Aug 2015-Aug 2017.

Amount: \$224,946

The goal of this project is to assess the effectiveness of patient educational approaches on chronic narcotic pain use after elective surgery for the lumbar spine.

Clinical Trials Register: <https://clinicaltrials.gov/ct2/show/NCT02674711>

Using Mobile Technology at the Point of Care to Influence Healthcare Treatment Decisions Related to Low Back Pain Management in Primary Care

Role - Primary Investigator

Award and Timeline: Military Operational Medicine Research Program (MOMRP) Intramural funding. Aug 2015-Aug 2017.

Amount: \$220,667

The goal of this project is to further study the influence of patient educational approaches on downstream healthcare utilization and outcomes in patients who seek care for low back pain in primary care.

Clinical Trials Register: <https://clinicaltrials.gov/ct2/show/NCT02777983>

Surgical Outcomes for Femoracetabular Impingement (SOF Study)

Role - Primary Investigator

Award and Timeline: Defense Health Agency Intramural Award. Aug 2015-Aug 2016.

Amount: \$103,000

The goal of this project is to evaluate 2-year healthcare utilization patterns in patients that undergo surgery for Femoracetabular impingement within the Military Health System.

Development of Predictive Models for Lower Extremity, Lumbar, and Thoracic Injury after Discharge from Physical Rehabilitation

Role - Primary Investigator

Award and Timeline: Injury Prevention, Physiological and Environmental Health Award (IPPEHA) from Defense Medical Research and Development Program (DMRDP). Aug 2014-Aug 2018.

Amount: \$1,084,186

The goal of this study is to develop predictive models from collected variables to derive a multi-factorial injury risk prediction algorithm to identify high risk Soldiers in the return to duty process.

Clinical Trials Register: <https://clinicaltrials.gov/ct2/show/NCT02776930>

A Physical Therapy Program Versus Surgery for Femoroacetabular Impingement: Randomized Clinical Trial

Role – Co-Investigator

Award and Timeline: Intramural grant from the Defense Health Agency. Mar 2013-Jul 2016.

Amount: \$73,000

The goal of this study is to compare surgical to nonsurgical treatments for patients with FAI.

Clinical Trials Register: <http://clinicaltrials.gov/show/NCT01993615>

Orthopaedic Manual Therapy versus Corticosteroid Injection for knee osteoarthritis: an RCT

Role – Co-Investigator

Award and Timeline: Cardon Rehab through the American Academy of Orthopaedic Manual Physical Therapists (AAOMPT). October 2011-October 2015.

Amount: \$3000

The goal of this study is to compare two different interventions in the management of knee osteoarthritis.

Clinical Trials Register: <http://clinicaltrials.gov/ct2/show/NCT01427153>

Effectiveness and Subsequent Healthcare Use Associated with Early Physical Therapy Access Compared with a Stepped Care Approach for Low Back Pain (COMPETE LBP Trial)

Role - Primary Investigator

Award & Timeline: Congressionally Directed Medical Research Grant (CDMRP) Peer Reviewed Orthopaedic Research Program (PRORP). June 2011-July 2015.

Amount: \$260,884

The goal of this study is to compare early access to physical therapy using a treatment based classification system to usual care in patients at the primary care level with low back pain.

Clinical Trials Register: <http://clinicaltrials.gov/ct2/show/NCT01556581>

Military Specific Computerized Algorithms to Predict Musculoskeletal Injury

Role: Site Primary Investigator.

Award & Timeline: Defense Medical Research and Development Program (DMRDP). June 2010-July 2014.

Amount: \$1.24 million

The goal of this study is to derive an algorithm that enables prediction of musculoskeletal injuries in the active duty Soldier population.

Orthopaedic Manual Therapy versus Corticosteroid Injection for Shoulder Impingement Syndrome: an RCT

Role - Primary Investigator

Award & Timeline: Orthopaedic Physical Therapy Products Grant (OPTP) through the American Academy of Orthopaedic Manual Physical Therapists (AAOMPT). June 2010-July 2012.

Amount: \$4000

The goal of this study is to compare two different interventions in the management of shoulder impingement. Protocol published in BMJ Open.

Clinical Trials Register: <http://clinicaltrials.gov/ct2/show/NCT01190891>

Falls Risk in Adults with Lower Extremity (FRALE) Osteoarthritis

Role - Primary Investigator

Award & Timeline: The Retired Army Medical Specialist Corps Association (RAMSCA).
November 2009-July 2012.

Amount: \$1800

The goal of this study is to identify risk factors for falls in patients with hip and knee osteoarthritis.