

Mitch Wolden, PT, DPT, PhD

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Fargo, ND 58104

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Education

Doctor of Philosophy

North Dakota State University, Fargo, ND
Education (emphasis: Institutional Analysis)
May 2018

Doctor of Physical Therapy

University of North Dakota, Grand Forks, ND
Physical Therapy
May 2009

Bachelor of Science, Physical Therapy

University of North Dakota, Grand Forks, ND
Physical Therapy
May 2007

Licensure Information/Registration Number

Licensed Physical Therapist in North Dakota, number 1534
2009 - current

Professional Experience

Professor

University of Jamestown Physical Therapy and Clinical Research PhD Programs, Fargo, ND
July 2022 – current

Program Director

University of Jamestown Clinical Research PhD Program
July 2025 - current

Associate Director

Dissertation Coordinator

University of Jamestown Clinical Research PhD Program
July 2023 - 2025

Associate Professor

University of Jamestown Physical Therapy Program, Fargo, ND
July 2018 - 2022
Director, Pro Bono Clinic at Family Healthcare, Fargo, ND
July 2015 – 2020

Intensive Research Fellowship

St. Vincent's Private Allied Health Services (St. Vincent's Private Hospital, Sydney, Australia)

Mitch Wolden, PT, DPT, PhD
(701) 356-2136
mwolden@uj.edu

Mentor: A/Prof Sean Mungovan
October 22, 2022 – October 29, 2022

Appointed Honorary Research Fellow

The Clinical Research Institute (Westmead, Australia)
December 2021 – current

Appointed Honorary Faculty

University of New England (Australia) School of Science and Technology
Adjunct Professor
July 2023 – June 2025
Adjunct Senior Lecturer
July 2021 – June 2023

Assistant Professor

University of Jamestown Physical Therapy Program, Fargo, ND
July 2014 - 2018

Adjunct Associated Faculty

University of Jamestown Physical Therapy Program, Fargo, ND
August 2013 – May 2014

Physical Therapist

ProRehab Physical & Occupational Therapy, Fargo, ND
June 2009 – July 2014

Certifications

Board-Certified Orthopaedic Clinical Specialist, June 2013

Certified Exercise Expert for Aging Adults, Academy of Geriatric Physical Therapy, August 2017

Scholarly Work

Peer Reviewed Publication

1. Abola P. Wolden B. Swarowsky A. **Wolden M.** Exploring perceptions and predictors of shared decision-making in the pharmacological management of Parkinson's disease: insights from patients and healthcare providers. *Drugs & Therapy Perspectives*. 2026; doi: 10.1007/s40267-026-01242-z.
2. Walter YA. Wang CJ. Speir DB. Burrell WE. **Wolden M.** et al. Robustness of tumor control against intrafraction patient motion in lung stereotactic body radiation therapy. *Advances in Radiation Oncology*. 2026; 11(7). doi: 10.1016/j.adro.2026.102064.
3. Estes-Schmalzl K. **Wolden M.** Lefebvre K. Diagnostic accuracy of H2FPEF and HFA-PEFF algorithms for heart failure with preserved ejection fraction (HFpEF): a systematic review and meta-analysis. *Journal of Clinical Practice and Research*. 2026; 48(1): 9-18. DOI: 10.14744/cpr.2026.34561.

4. Hugo J. de Fatima Salvini T. Moreno Perea JP. Ferrari A. Dantas G. **Wolden M.** de Campos T. Intervention strategies for prevention of knee osteoarthritis: a systematic review. *Journal of Orthopaedic Sports Physical Therapy*. 2026; (in-press).
5. Katsma A. Jorns JM. Gardner P. **Wolden M.** Leuther K. Prevalence of errors in the pathology tissue specimen testing process: a systematic review and meta-analysis. *BMJ Open Quality*. 2026; 15: e003925; doi:10.1136/bmjopen-2025-003925.
6. Lei W. **Wolden M.** Integrating functional anatomy into dry needling in a DPT curriculum. *Journal of Allied Health*. 2026; 55(1). 55-68. DOI: 10.21091/jah.2026.01007.
7. **Wolden M.** Haj T. Flom-Meland C. Rindflesch A. Drevyn E. Variability in the length of full-time clinical education experiences: the relationship with Doctor of Physical Therapy program characteristics. *Journal of Allied Health*. 2026; (accepted – in press).
8. Abola P. **Wolden M.** Disparities in neurological management for Parkinson's Disease in Latvia: pilot study evidence. *Equity Neuroscience*. 2026; 2(1): DOI: 10.1016/j.neuros.2026.100023.
9. Smart NA. Downes D. van der Touw T. Wolden M. King N. Dieberg G. Goodman S. Effect of exercise training on blood lipids: a systematic review and sub-analysis. *Journal of Clinical Exercise Physiology*. 2025; 14(4): 126-134. doi: 10.31189/2165-7629-14.4.126.
10. Estes-Schmalzl K. **Wolden M.** Lefebvre K. The discordance between H2FPEF and HFA-PEFF diagnostic scores in HFpEF. A systematic review and call for SDoH integration. *Journal of Clinical Practice and Research*. 2025; 47(5): 462-471. DOI: 10.14744/cpr.2025.95408.
11. Walter. Y Rosen L. Moncrief O. Broekhoven B. Jacobos T. Syh J. Dugas J. Hoffnung K. **Wolden M.** Wimberly H. Nash J. Camden M. Speir D. Jeffery K. Durham PF. Kallam K. Wu HT. Workflow efficiency in vaginal cuff high dose rate brachytherapy using artificial intelligence-based organ segmentation and multi-channel cylinder modeling. *Cancers*. 2025; 17(17): DOI 10.3390/cancers17172751.
12. Estes-Schmalzl KJ. Wondwossen TL. **Wolden M.** Lefebvre KM. Disparities in diagnostic utilization patterns between heart failure with preserved ejection fraction (HFpEF) and heart failure with reduced ejection fraction (HFrEF): a nationwide analysis. *Cureus*. 2025; DOI: 10.7759/cureus.89634.
13. Abola P. Wolden B. **Wolden M.** Subcutaneous apomorphine infusion effects on OFF time and motor symptoms in individuals with Parkinson's Disease: a systematic review and meta-analysis. *Journal of Neurology & Neuropsychiatry*. 2025; 2(1):
14. Wolden B. Palm D. **Wolden M.** Effects of high-fidelity simulation-based learning on physical therapy student learning and performance: a systematic review. *Journal of Physical Therapy Education*. 2025; DOI: 10.1097/JTE.0000000000000440.

15. Abola P. Wolden B. **Wolden M.** Influence of sociodemographic variables on patient and practitioner knowledge of non-pharmacological management options for Parkinson's disease. *Exercise and Quality of Life*. 2025; 17(2): 35-47. DOI: 10.31382/preprint.000124.
16. de Campos TF. **Wolden M.** March MK. Hewawasam D. Boumelhem B. Spurr JJ. Khoury JM. Bartos EM. Mason-Cox L. Vertzya N. Faux SG. Mungovan SF. A standardised car seat transfer test: Reliability and concurrent validity. *Occupational Therapy International*. 2025; DOI: 10.1155/oti/7306142.
17. Abuhl B. Ehrmantraut D. **Wolden M.** First contact physical therapy compared to usual primary care for musculoskeletal disorders: A systematic review and meta-analysis of randomized controlled trials. *Physical Therapy*. 2025; 105(8): DOI: 10.1093/ptj/pzaf080.
18. **Wolden M.** Khanna S. New C. Moore C. March MK. Graham E. Thomas B. Gass GC. Vertzyas N. Mungovan SF. Urinary incontinence in men and women after total hip arthroplasty: a retrospective observational cohort study. *Cureus*. 2025; 17(4): e82590. DOI: 10.7759/cureus.82590.
19. Downes D. Goodman S. van der Touw T. Ahmed K. Neto MA. **Wolden M.** Smart NA. Effect of exercise training on apolipoproteins: meta-analysis and trial sequence analysis. *Int J Sports Med*. 2025; 46(11): 858-871. DOI: 10.1055/a-2580-0722.
20. Abola P. **Wolden M.** Intra-individual Variations in Voice Variables Among Individuals with and without Parkinson's Disease. *Cureus*. 2025; 17(3): e81398. DOI: 10.7759/cureus.81398.
21. Palm D. Swarowsky A. Kelly M. Grugel S. Stiers C. **Wolden M.** Effect of group exercise on quality of life for Parkinson Disease: systematic review & meta-analysis. *Disability and Rehabilitation*. 2025; DOI: 10.1080/09638288.2025.2453636.
22. Wolden B. **Wolden M.** Furze J. McDevitt A. Advancing consistency in education: a reliability analysis of the Clinical Reasoning Assessment Tool. *Journal of Physical Therapy Education*. 2025; 39(2): 152-162. DOI: 10.1097/JTE.0000000000000365.
23. Abola P. Lefebvre K. **Wolden M.** Influence of sociodemographic variables on patient and practitioner knowledge of pharmacological management options for Parkinson's Disease. *American Journal of Medical and Clinical Research & Reviews*. 2025; 4(1): DOI: 10.58372/2835-6276.1247.
24. Smart NA. Downes D. van der Touw T. Hata S. Dieberg G. Pearson MJ. **Wolden M.** King N. Goodman SPJ. The effect of exercise training on blood lipids: A systematic review and meta-analysis. *Sports Medicine*. 2024; DOI: 10.1007/s40279-024-02115-z.
25. **Wolden M.** Brown S. Carlsson SV. Noah TA. Mungovan SF. Implementation of Physical Therapy Services for Men Undergoing Radical Prostatectomy: An Administrative Case Report. *Physical Therapy*. 2024; 104(4). DOI: 10.1093/ptj/pzad163.
26. **Wolden M.** Flom-Meland C. Gusman LN. Drevyn E. McCallum C. Determining the optimal length of clinical education experiences: surveying Doctor of Physical Therapy academic

- and clinical faculty. *Physical Therapy*. 2024; 38(3): 239-248. DOI: 10.1097/JTE.0000000000000342.
27. Palm D. Swarowsky A. Gullickson M. Schilling H. **Wolden M**. Effects of Group Exercise on Motor Function and Mobility for Parkinson Disease: Systematic Review and Meta-analysis. *Physical Therapy*. 2024; 104(4). DOI: 10.1093/ptj/pzae014.
28. Abola P. **Wolden M**. Monoamine Oxidase-B Inhibitor Rasagiline effects on motor and non-motor symptoms in individuals with Parkinson's Disease: a systematic review and meta-analysis. *Advances in Parkinson's Disease*. 2024; 13(2): 27-56. DOI: 10.4236/apd.2024.133003.
29. Abola P. **Wolden M**. Lefebvre K. Liquid subcutaneous Levodopa-Carbidopa ND0612 effects on motor symptoms in individuals with Parkinson's Disease: A systematic review and meta-analysis. *Advances in Parkinson's Disease*. 2024; 13(2): 9-25. DOI: 10.4236/apd.2024.132002.
30. Wood GN. Taylor E. Ng V. Murrell A. Patil A. van der Touw T. **Wolden M**. Andronicos N. Smart NA. Estimating the effect of aerobic exercise training on novel lipid biomarkers: A systematic review and multivariate meta-analysis of randomised controlled trials. *Sports Medicine*. 2023; 53(4): 871-886. DOI: 10.1007/s40279-023-01817-0.
31. de Campos T. Vertzyas N. **Wolden M**. Hewawasam D. Douglas B. McIlhatton C. Hill J. Molnar C. Solomon MI. Gass GC. Mungovan SF. Orthostatic intolerance events following hip and knee arthroplasty: a systematic review with meta-analysis. *The Journal of Bone and Joint Surgery*. 2023; 105(3): 239-249. DOI: 10.2106/JBJS.22.00600.
32. Karlik S. **Wolden M**. Women's collegiate soccer coaching in the United States: exploring barriers and challenges. *Soccer & Society*. 2022; 1-13. DOI: 10.1080/14660970.2022.2069099.
33. **Wolden M**. Anderson B. Student self-efficacy in pediatrics: evaluation and modification of the Pediatric Communication and Handling Self-Efficacy Scale. *Pediatric Physical Therapy*. 2022; 34(3): 382-389. DOI: 10.1097/PEP.0000000000000919.
34. Schanandore J. **Wolden M**. Smart NA. The accuracy and reliability of the Suchey-Brooks pubic symphysis age estimation method: systematic review and meta-analysis. *Journal of Forensic Sciences*. 2022; 67: 56-67. DOI: 10.1111/1556-4029.14911.
35. Wood GN. Taylor E. Ng V. Murrell A. Patil A. van der Touw T. Sigal R. **Wolden M**. Smart NA. Determining the effect size of aerobic exercise training on the standard lipid profile in sedentary adults with three or more metabolic syndrome factors: a systematic review and meta-analysis of randomised controlled trials. *British Journal of Sport and Medicine*. 2022; 56:1032-1041. DOI: 10.1136/bjsports-2021-103999.
36. Wood GN. Taylor E. Ng V. Murrell A. Patil A. van der Touw T. **Wolden M**. Smart NA. Determining the effect size of aerobic exercise training on the standard lipid profile of adults diagnosed with, and free of, Metabolic Syndrome: A protocol for two systematic reviews with univariate meta-analyses and meta-regression of randomised controlled

trials. *Journal of Clinical Exercise Physiology*. 2021; 10(2): 42-50. DOI: 10.31189/2165-6193-10.2.42.

37. **Wolden M.** Drevyn E. Flom-Meland C. Gusman LM. Evaluation and modification of the physical therapist clinical performance instrument. *Journal of Physical Therapy Education*. 2021; 35(2): 85-94. DOI: 10.1097/JTE.000000000000180.
38. **Wolden M.** Gusman LM. Drevyn E. Flom-Meland C. Does the length of student physical therapists clinical educational experiences matter? *Journal of Physical Therapy Education*. 2021; 35(2): 113-120. DOI: 10.1097/JTE.000000000000175.
39. Ajuogu PK. Al-Aqbi MA. Hart RA. **Wolden M.** Smart NA. McFarlane JR. The effect of dietary protein intake factors associated with male infertility - a systematic review and meta-analysis of animal clinical trials in rats. *Nutrition and Health*. 2020; 1-12. DOI: 10.1177/0260106019900731.
40. Ajuogu PK. **Wolden M.** McFarlane JR. Hart RA. Carlson DJ. Van der Touw T. Smart NA. Effect of low and high protein maternal diets during gestation on reproductive out-comes in the rat: a systematic review and meta-analysis. *Journal of Animal Science*. 2020; 98(1): DOI: 10.1093/jas/skz380.
41. **Wolden M.** Hill B. Voorhees S. Predicting success on the National Physical Therapy Examination (NPTE): systematic review and meta-analysis. *Physical Therapy*. 2020; 100(1): 73-89. DOI: 10.1093/ptj/pzz145.
42. **Wolden M.** Anderson B. Enhancing pediatric education for physical therapy students: through the development of community partnerships to facilitate experiential learning: a case report. *Journal of Physical Therapy Education*. 2019; 33(3): 236-242. DOI: 10.1097/JTE.000000000000096.
43. **Wolden M.** Hill, B. Farquhar-Voorhees S. Meta-Analysis in Physical Therapy Education Research: Using the Pearson's Product-Moment Correlation Coefficient as a Measure of Effect Size. *Journal of Physical Therapy Education*. 2019; 33(1): 78-84. DOI: 10.1097/JTE.000000000000075.
44. **Wolden M.** Anderson A. Ray C. Changes in Perceived Self-Efficacy of Physical Therapy Students Following a Pediatric Experiential Learning Opportunity. *Pediatric Physical Therapy*. 2019; 31(1): 115-120. DOI: 10.1097/PEP.0000000000000550.

Peer Reviewed Scientific and Professional Presentations

1. Ahmed K. Wolden B. **Wolden M.** The Influence Of Age And Exercise Modality On Post-Exercise Lipid Variability In Postmenopausal Women. *Cardiovascular Research Technologies*. March 10, 2026. Oral Abstract. Washington D.C.
2. **Wolden M.** Haj T. Flom-Meland C. Drevyn E. Rindflesch A. How Long Is Long Enough? Clinical Faculty Perspectives on the Length of Clinical Experiences. APTA Combined Sections Meeting. February 14, 2026. Poster Presentation. Anaheim, CA.

3. Abuhl B. **Wolden M.** Clinical Decision Making Among DPT Students in Primary Care Scenarios: A Cross-Sectional Survey. APTA Combined Sections Meeting. February 14, 2026. Poster Presentation. Anaheim, CA.
4. **Wolden M.** Brown S. Managing Urinary Incontinence in Men: Evidence-Based Assessments and Exercises for Individualized Treatment. APTA ND Fall Conference. September 27, 2025. Educational Session. Fargo, ND.
5. Abuhl B. Ehrmantraut D. **Wolden M.** First contact physical therapy compared to usual primary care for musculoskeletal disorders: A systematic review and meta-analysis of randomized controlled trials. North Dakota Nurses Association Strengthening Healthcare Through Interprofessional Collaboration. November 7, 2025, Poster Presentation. Fargo, ND.
6. **Wolden M.** Khanna S. New C. Moore C. March MK. Graham E. Thomas B. Gass GC. Vertyzas N. Mungovan SF. Urinary incontinence in men and women after total hip arthroplasty: a retrospective observational cohort study. Australian Physiotherapy Association Scientific Conference. October 24, 2025. Rapid 5x5 Presentation. Adelaide, Australia.
7. March MK. Vertyzas N. **Wolden M.** York J. Du W. Ho J. Hewawasam D. Solomon MI. Gass GC. Bartos E. Mungovan SF. Incidence of orthostatic intolerance-type events after hip and knee arthroplasty: a prospective observational feasibility study. Australian Physiotherapy Association Scientific Conference. October 25, 2025. Rapid 5x5 Presentation. Adelaide, Australia.
8. Laliotis G. Ugwu C. **Wolden M.** Efficacy of neoadjuvant immunotherapy in head and neck squamous carcinoma (HNSCC): A systematic review and meta-analysis. ASCO Annual Meeting. June 2, 2025. Poster Presentation. Chicago, IL.
 - a. Published abstract: Laliotis G. Ugwu C. **Wolden M.** Efficacy of neoadjuvant immunotherapy in head and neck squamous carcinoma (HNSCC): A systematic review and meta-analysis. 2025. Journal of Clinical Oncology; 43(16_suppl): e18012. DOI: 10.1200/JCO.2025.43.16_suppl.e18012.
9. Laliotis G. Ugwu C. **Wolden M.** The molecular landscape of immunotherapy treatment and advanced disease in head and neck squamous carcinoma (HNSCC). ASCO Annual Meeting. June 2, 2025. Poster Presentation. Chicago, IL.
 - a. Published abstract: Laliotis G. Ugwu C. **Wolden M.** The molecular landscape of immunotherapy treatment and advanced disease in head and neck squamous carcinoma (HNSCC). 2025. Journal of Clinical Oncology; 43(16_suppl): 6032. DOI: 10.1200/JCO.2025.43.16_suppl.6032.
10. Ehrmantraut D. Abuhl B. **Wolden M.** First contact physical therapy versus usual primary care for musculoskeletal disorders: systematic review and meta-analysis. APTA Combined Sections Meeting. February 14, 2025. Platform Presentation. Houston, TX

11. **Wolden M.** Haj T. Flom-Meland C. Rindflesch A. Drevyn E. Why the variability? Length of clinical experiences relationship with Doctor of Physical Therapy program characteristics. APTA Combined Sections Meeting. February 14, 2025. Poster Presentation. Houston, TX.
12. Wolden B. Palm D. **Wolden M.** Effects of High-Fidelity Simulation-Based Learning on Physical Therapy Student Performance: A Systematic Review. APTA Education Leadership Conference. October 19, 2024. Poster Presentation. Oakland, CA.
13. York J. Du W. Ho J. March M. Hewawasam D. **Wolden M.** Vertzyas N. Mungovan S. The incidence and risk factors for an orthostatic intolerance-type event following primary unilateral total knee arthroplasty: a feasibility prospective cohort study. Australian Orthopaedic Association New South Wales Branch Annual Scientific Meeting. July 2024. Platform Presentation. Bowral, New South Wales, AU.
14. York J. Du W. Ho J. March M. Hewawasam D. **Wolden M.** Vertzyas N. Mungovan S. Orthostatic intolerance-type events following total knee arthroplasty: a feasibility prospective cohort study. Australian Orthopaedic Association New South Wales Branch Annual Scientific Meeting. July 2024. Platform Presentation. Bowral, New South Wales, AU.
15. **Wolden M.** Brown S. Kirages D. Mungovan SF. Managing Urinary Incontinence in Men: Evidence-Based Assessments and Exercises for Individualized Treatment. APTA Combined Sections Meeting. February 16, 2024. Educational Session. Boston, MA.
16. **Wolden M.** Flom-Meland CK. Gusman LN. Drevyn EM. McCallum C. The Optimal Length of Clinical Experiences: Surveying Doctor of Physical Therapy Academic and Clinical Faculty. APTA Combined Sections Meeting. February 15, 2024. Platform Presentation. Boston, MA.
17. Palm D. Swarowsky A. Gullickson M. Grugel S. Stiers C. **Wolden M.** Effectiveness of group exercise on quality of life for Parkinson Disease: Systematic Review and Meta-analysis. APTA Combined Sections Meeting. February 16, 2024. Poster Presentation. Boston, MA.
18. Ortiz AS. Krietemeyer KS. Trinh TA. **Wolden M.** Faria CDCM. Swarowsky A. Dose-response Gait Interventions Meta-Analysis Based on APTA's CPG for Parkinson's Disease: Can It Be Determined? APTA Combined Sections Meeting. February 16, 2024. Poster Presentation. Boston, MA.
19. Bayliss A. Bird J. Lettvin C. Mueller L. **Wolden M.** 2023 NPTE Updates: Standard Review Outcomes and Alternative Item Types. FSPBT Annual Education Meeting. October 20, 2023. Educational Session. Jacksonville, FL.
20. Wolden B. **Wolden M.** McDevitt A. Reliability of the Clinical Reasoning Assessment Tool. Education Leadership Conference. October 14, 2023. Platform Presentation. Philadelphia, PA.
21. **Wolden M.** Flom-Meland CK. Gusman LN. Drevyn EM. McCallum C. Determining the Optimal Length of Clinical Education Experiences: Key Education Stakeholders

- Perspectives. APTA Education Leadership Conference. October 13, 2023. Platform Presentation. Philadelphia, PA.
22. **Wolden M.** Brown S. Don't Forget About Me! Integration of Men's Physical Therapy Services into Health Systems. APTA North Dakota Fall Conference. September 24, 2023. Educational Session. Grand Forks, ND.
 23. **Wolden M.** What, When, & Why: Ultrasound Imaging in Physical Therapist Practice. APTA North Dakota Fall Conference. September 24, 2023. Educational Session. Grand Forks, ND.
 24. Wolden B. **Wolden M.** McDevitt A. Reliability of the Clinical Reasoning Assessment Tool. Forging Ahead: The Future of Clinical Reasoning Symposium. April 15, 2023. Poster Presentation. Phoenix, AZ.
 25. **Wolden M.** Mungovan SF. Brown S. Don't Forget About Me! Integration of Men's Health Physical Therapy Services into Health Systems. APTA Combined Sections Meeting. February 24, 2023. Educational Session. San Diego, CA.
 26. Palm D. Swarowsky A. Gullickson M. Shilling H. **Wolden M.** Effects of Group Exercise on Motor Function and Mobility for Parkinson Disease: Systematic Review and Meta-analysis. APTA Combined Sections Meeting. February 23, 2022. Poster. San Diego, CA.
 27. Haj T. **Wolden M.** Greenwood K. Impact of the COVID-19 pandemic on clinical education placements for Doctor of Physical Therapy students. Educational Leadership Conference. October 2022. Poster Presentation. Milwaukee, WI.
 28. **Wolden M.** Anderson B. Reliability and Validity of the Pediatric Communication and Handling Self-Efficacy Scale. February 2022. Poster Presentation. Combined Sections Meeting. San Antonio, TX.
 29. **Wolden M.** Schanandore J. Madsen J. Palm D. Swarowsky A. Comparing Lumbar Peri-Musculature Connective Tissue Thickness and Pain in People with and without Parkinson's Disease. February 2022. Poster Presentation. Combined Sections Meeting. San Antonio, TX.
 30. **Wolden M.** Flom-Meland C. Gusman L. Drevyn E. McCallum C. Clinical Learning: What is the Optimal Length for Clinical Educational Experiences in DPT education? October 2021. Educational Session. Educational Leadership Conference. Atlanta GA.
 31. **Wolden M.** Gusman LM. Drevyn E. Flom-Meland C. The long road ahead: does the length of clinical educational experiences affect students clinical learning. February 2021. Platform Presentation. Combined Sections Meeting. Orlando, FL.
 32. **Wolden M.** Schanandore J. The Relationship between Echo Intensity and Chronic Low Back Pain. February 2021. Poster Presentation. Combined Sections Meeting. Orlando, FL.

33. Glasoe W. Allen M. Harris J. Higgins M. Jewett S. Rucker M. **Wolden M.** Effects of Functional Foot Orthoses and Taping Interventions for Adult Hallux Valgus. February 2021. Poster Presentation. Combined Sections Meeting. Orlando, FL.
34. Anderson B. Emmel L. Lundeen H. **Wolden M.** Partner up! Developing pediatric experiential learning & assessing outcomes to prepare students for clinical practice. November 2020. Educational Session. Academy of Pediatric Physical Therapy Annual Conference. Omaha, NE.
35. **Wolden M.** Drevyn E. Flom-Meland C. Gusman LN. Validation study of the physical therapist clinical performance instrument via confirmatory factor analysis. October 2020. Platform Presentation. Educational Leadership Conference. Milwaukee, WI.
36. Anderson B. **Wolden M.** Madsen J. Comparing pediatric faculty and clinical instructors expectations for student performance in transfers and handling techniques. February 2020. Poster Presentation. Combined Sections Meeting. Denver, Colorado.
37. Anderson B. **Wolden M.** Madsen J. Pediatric Transfers and Handling Techniques in Physical Therapy Education: A Comparison of Pediatric Faculty and Clinical Instructors. November 2019. Poster Presentation. Academy of Pediatric Physical Therapy Annual Conference. Anaheim, CA.
38. Haj T. **Wolden M.** Wolden B. Directors of Clinical Education and Clinical Instructor's Perspectives on the Physical Therapist Clinical Performance Instrument. October 2019. Poster Presentation. Education Leadership Conference. Bellevue, WA.
39. **Wolden M.** Hill B. Farquar Voorhees S. Predicting Success on the National Physical Therapy Examination: Systematic Review and Meta-Analysis. January 2019. Platform Presentation. APTA Combined Sections Meeting. Washington, DC.
40. **Wolden M.** Hill B. Voorhees S. Relationship of Clinical Performance Scores with NPTE Performance: A Systematic Literature Review and Meta-Analysis. October 2018. Poster Presentation. Education Leadership Conference. Jacksonville, FL.
41. Haj T. **Wolden M.** Greenwood K. The Status of Acute Care Clinical Experiences in Physical Therapy Education: A Survey Report. October 2018. Platform Presentation. Education Leadership Conference. Jacksonville, FL.
42. Haj T. **Wolden M.** Nuzzo N. Increasing PT Students Self-Confidence in the Acute Care Setting. May 2018. Poster Presentation Bridging the Acute Care Gap: Advancing Acute Care Physical Therapy Education. Indianapolis, IN.
43. **Wolden M.** Hill B. Confirmatory factor analysis of the Physical Therapist Clinical Performance Instrument. February 2018. Poster Presentation APTA Combined Sections Meeting. New Orleans, LA.
44. **Wolden M.** Anderson A. Ray C. Changes in perceived self-efficacy of physical therapy students following pediatric experiential learning opportunities. November 2017. Poster

Presentation. Academy of Pediatric Physical Therapy Annual Conference. Cincinnati, Ohio.

45. Heyne-Lindholm P. Haj T. **Wolden M.** Will a structured 6-week module of Motivational Interviewing improve the level of empathy in 2nd year physical therapy students? October 2017. Poster Presentation Education Leadership Conference. Columbus, OH.
46. Voorhees S. Munns A. **Wolden M.** Rubric use to implement professional behaviors assessment across a physical therapy curriculum and guide student advisement. June 2017. ExamSoft Assessment Conference. Denver, Colorado.

Funded Grant Activity

1. Understanding determinants of pelvic floor disorders in Veterans with lower limb amputation. Veterans Affairs. Lexington, VA. \$1,025,853. Proposed start date: July 1, 2026. (in-review - other significant contributor).
2. Gilliland S. Rogers Prokop T. Felter C. Wooten L. **Wolden M.** Virtual education research workshop for physical therapist educators. APTA Academy of Education: Education Impact Initiative Funds. September 2026. \$8,500 (funded – co-principal investigator).
3. **Wolden M.** Flom-Meland C. Drevyn E. Rindflesch A. Haj T. Why the variability? investigating the optimal length of clinical educational experiences: a mixed-methods study.
 - a. American Physical Therapy Association Academy of Education. February 2024. \$8,800 (funded – principal investigator)
 - b. American Physical Therapy Association North Dakota. May 2024. \$605 (funded – principal investigator)
 - c. Florida Consortium of Clinical Educators (FCCE). September 2024. \$1,000 (funded – co-principal investigator)
4. Anderson B. **Wolden M.** Mobile Therapy Unit / Therapy on the GO. North Dakota Association for the Disabled. House of Everyday Learning 501(c)3.
 - i. Milnor Community Foundation Grant. April 2022. \$7,200 (funded – co-principal investigator)
 - ii. Lisbon Community Foundation Grant. April 2022. \$2,400 (funded – co-principal investigator)
 - iii. Gibbens Memorial Grant. October 2021. \$5,000 (funded – co-principal investigator)
5. Swarowsky A. **Wolden M.** Schanandore J. Changes to the lumbar multifidus in people with and without Parkinson's disease. Seibold Grant. July 2020. \$800 (funded – co-principal investigator)
6. **Wolden M.** The Relationship Between Echo Intensity and Low Back Pain. North Dakota Physical Therapy Association. July 2019. \$650 (funded – co-principal investigator)

Test and Measure Summary

1. **Wolden M.** Mungovan S. International Consultation on Incontinence Questionnaire-Urinary Incontinence Short Form (ICIQ-UI SF). American Physical Therapy Association. <https://www.apta.org/patient-care/evidence-based-practice-resources/test-measures/international-consultation-incontinence-questionnaire-urinary-incontinence-short-form-icq-ui-sf>. January 2025.

Research and Grant Acquisition Training

Grant writing & mentoring in education research (GAMER) workshop. Charleston, SC. November 17 – 20, 2022.

Invited Presentations

1. **Wolden M.** Haj T. Flom-Meland C. Drevyn E. Rindflesch A. How Long Is Long Enough? Clinical Faculty Perspectives on the Length of Clinical Experiences. Presentation to the APTA North Dakota board and members. Fargo, ND; September 2025.
2. York J. Du W. Ho J. March M. Hewawasam D. **Wolden M.** Vertzyas N. Mungovan S. Incidence of orthostatic intolerance-type events following total knee arthroplasty: a prospective feasibility study. Poster presentation at St. Vincent's Hospital Research Symposium. Sydney, AU; August 2024.
3. Palm D. Swarowsky A. Gullickson M. Grugel S. Stiers C. **Wolden M.** Effectiveness of group exercise on quality of life for Parkinson Disease: Systematic Review and Meta-analysis. Presentation and discussion during APTA Nevada Journal Club, online; August 2024.
4. **Wolden M.** Muscle Quality and Mobility in Chronic Low Back Pain & Parkinson's Disease. Presentation during Physiotherapist meeting at St. Vincent's Private Hospital, Sydney, AU; October 2022.
5. **Wolden M.** Brown S. Implementation of Men's Health Physical Therapy. Sanford Health Urology Meeting, Fargo, ND; June 2022.
6. Trevaskis S. de Campos TF. Douglas B. Molnar C. York J. Ho J. **Wolden M.** Vertzyas N. Mungovan S. The effectiveness of active ankle exercise interventions on lower limb blood flow: a systematic review. Presentation during Ground Rounds at St. Vincent's Private Hospital, Sydney, AU; April 2022.
7. **Wolden M.** Chronic/Persisting Pain. Presentation to Patients and Athletes at Elevate Human Potential, Fargo, ND; June 2021. <https://youtu.be/SIDTGjr8yLo>
8. **Wolden M.** Schanandore J. The Relationship between Echo Intensity and Chronic Low Back Pain. Presentation to American Physical Therapy Association of North Dakota. Spring Business Meeting 2021, April 16, 2021.

9. **Wolden M.** What to Expect When You Are Dissertating, Presented to North Dakota State University Education Doctoral Program Students, October 2018.
10. **Wolden M.** Predicting Success on the National Physical Therapy Examination: A Systematic Review of the Literature and Random Effects Meta-Analysis, Presented to University of Jamestown Physical Therapy Program Faculty and Students (Class of 2019 & 2020), March 2018.
11. Capstone Defense Panel, North Dakota State University Fall Education Conference, October 2017.
12. Voorhees SF, Munns A, **Wolden M:** Using Rubrics to Implement Professional Behaviors Assessment and Guide Student Advisement. ExamSoft Webinar; May 10, 2017
13. **Wolden M.** Physical Therapy's Approach to Chronic Pain, Presented to providers at Family HealthCare, Fargo, ND October 2016.

Honors & Awards

PTLI's Education Influencer Award 2024 for "The Optimal Length of Clinical Experiences: Surveying Doctor of Physical Therapy Academic and Clinical Faculty" Platform Presentation at the Education Leadership Conference 2023.

Physical Therapy Learning Institute (PTLI) in recognition of a presentation that has the potential to have a positive influence toward excellence in PT education and is consistent with vision and mission of PTLI.

University of Jamestown Employee Spotlight 2023 regarding research agenda, research collaborations, and the publication "Orthostatic Intolerance-Type Events Following Hip and Knee Arthroplasty."

<https://www.youtube.com/watch?v=ismY1cP6xBc&feature=youtu.be>

Academy of Advanced Item Writers 2022

Federation of State Boards of Physical Therapy

The Academy of Advanced Item Writers consists of those National Physical Therapy Examination item writers who develop both quality and quantity items

Stanford Award 2022 for "Does the Length of Student Physical Therapists' Clinical Educational Experiences Matter?"

American Physical Therapy Association Academy of Education in recognition of the manuscript containing the most influential educational ideas published in the Journal of Physical Therapy Education for 2021.

Outstanding Research Abstract Award 2022

Reliability and Validity of the Pediatric Communication and Handling Self-Efficacy Scale. APTA Pediatrics Section. 2022. Combined Sections Meeting. San Antonio, TX.

Consultative and Advisory Positions Held

External evaluator; *Implementing Integrative STEM Education in the Classroom*; September 2016.

Great Plains STEM Education Center at Valley City State University
Grant funded through the North Dakota Department of Public Instruction through the Math and Science Partnership federal program

Interviews & Multimedia

1. Interview for APTA Magazine feature story "Pelvic Health by Men and For Men." *APTA Magazine*. 2023: 15(5); 16-26. <https://www.apta.org/apta-magazine/2023/06/01/pelvic-health-by-and-for-men>.
2. Podcast interview on Wolden and Anderson "Student self-efficacy in pediatrics: evaluation and modification of the Pediatric Communication and Handling Self-Efficacy Scale." *Pediatric Physical Therapy*. 2022; 34(3). <https://journals.lww.com/pedpt/Pages/podcastepisodes.aspx?podcastid=1>.
3. Wolden et al "Does the length of student physical therapists clinical educational experiences matter?" *Journal of Physical Therapy Education*. 2021. Featured article with video synopsis. <https://twitter.com/JOPTEjournal/status/1399742775877324801?s=20>.
4. Podcast interview with Dr. Alan Jette on Wolden et al "Predicting success on the National Physical Therapy Examination (NPTE): systematic review and meta-analysis." *Physical Therapy*, March 26, 2020. <https://academic.oup.com/ptj/pages/ptj-podcast-2020#e2afbb3b09e6ef8d2420>.

Teaching Experience

University of Jamestown Clinical Research Program

CRES 770 Critical Review of the Literature
Fall 2023, 2024, 2025

CRES 720 Biostatistics II
Fall 2024, 2025

CRES 721 Biostatistics II
Fall 2024, 2025

University of Jamestown Physical Therapy Program

PT 711 Anatomy –Course Instructor
Fall 2014, 2015

PT 741 Clinical Assessment I –Course Instructor
Fall 2014, 2015

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PT 752 Biomechanics –Course Coordinator

Fall 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024

PT 753 Therapeutic Interventions –Course Coordinator

Spring 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026

PT 861 Musculoskeletal I – Co-course Coordinator

Spring 2015, 2016, 2019, 2020, 2021, 2022, 2023

PT 862 Musculoskeletal II – Co-course Coordinator

Summer 2015, 2019, 2020, 2021, 2022

PT 891 Community Experience I –Course Coordinator

Spring 2016

Fall 2016, 2017

PT 892: Community Experience II –Course Coordinator

Summer 2016

Spring 2017, 2018

PT 893 Community Experience III –Course Coordinator

Fall 2016, 2017

Fall 2018 – assistant instructor

PT 893 Advanced & Specialty Topics in Physical Therapy - Co-course Coordinator

Fall 2020

PT 894 Clinical Imaging for Physical Therapy – Co-course Coordinator

Summer 2021, 2022, 2023, 2024

Selected Leadership and Service

Dissertation Advisory Experience

Topic: The identification and use of biomarkers for the evaluation and treatment of head and neck cancer. Anticipated Dissertation defense in Spring 2026. PhD in Clinical Research. University of Jamestown. Dissertation Committee Chair.

Topic: Disparities between providers and patients in the management of Parkinson's Disease. Anticipated Dissertation defense in Spring 2026. PhD in Clinical Research. University of Jamestown. Dissertation Committee Chair.

Topic: Efficacy of physical therapists as first contact providers. Anticipated Dissertation defense in Spring 2026. PhD in Clinical Research. University of Jamestown. Dissertation Committee Chair.

Topic: Clinical decision making of first contact providers. Anticipated Dissertation defense in Spring 2026. PhD in Clinical Research. University of Jamestown. Dissertation Committee Chair.

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Topic: Burnout among health providers in Critical Access Hospitals. Anticipated Dissertation defense in Spring 2026. PhD in Clinical Research. University of Jamestown. Dissertation Committee Chair.

Topic: Leadership attributes in Doctor of Physical Therapy Students. Defended Dissertation in Spring 2022. EdD in Education Leadership. Minnesota State University Moorhead. Dissertation Committee Member.

Topic: Academic success and retention in Nursing Programs. Defended Dissertation in Fall 2018. PhD in Adult and Occupational Education. North Dakota State University. Dissertation Committee Member

Services to the University

University of Jamestown.

Hearing Committee. Member: August 2025 - present
Faculty Development Committee Member: August 2024 - present
HR Committee. Chair: September 2024 – June 2025
UJ Connects Committee. Member: August 2022 – July 2024
Search Committee for Director of PhD in Clinical Research Program. Chair: August 2021 – March 2022
Higher Learning Commission Criterion 4 Assurance Argument Task Force. Member: August 2019 – September 2020
Assessment Committee. Member: July 2018 – July 2022

Physical Therapy Program. Search Committee for Assistant Professor in Physical Therapy Program

Member: July 2021 – March 2022
Member: July 2020 – March 2021
Member: July 2018 – March 2019
Member: July 2016 – March 2017
Member: July 2014 – January 2015

Physical Therapy Program. Assessment Committee

Member: July 2014 – June 2023
Member: August 2024 - present

Physical Therapy Program. Advisory Committee

Member: July 2014 – present

Services to the Profession– Physical Therapy

American Physical Therapy Association

Academy of Education. Scholarship of Education Special Interest Group. Nominating Committee. July 2025 – present.
APTA Prescriptive Authority Taskforce: February 2024 – December 2024. Appointed Member.

Investigated the feasibility of expanding prescriptive authority within physical therapist scope of practice and prepared an extensive report for APTA's Board of Directors and House of Delegates.

APTA Clinical Practice Guideline Development Reviewer

Pelvic health physical therapy rehabilitation for patients with prostate cancer: A clinical practice guideline: November 2024.

Physical therapist management of patients with chronic obstructive pulmonary disease (COPD): A clinical practice guideline: October 2025.

Federation of State Boards of Physical Therapy.

Examination Development Committee for the National Physical Therapy Examination

3-year appointment: January 2024 – December 2026

Item Writing Task Force for the National Physical Therapy Examination

3-year appointment: January 2021 – December 2023

Item Writer for the National Physical Therapy Examination.

March 2019 – December 2020

American Physical Therapy Association North Dakota.

Legislation and Bylaws Committee: January 2024 – present

Federal Advocacy Liaison: January 2024 – December 2024

Diagnostic Imaging Task Force Lead: February 2020 – August 2025

Introduced bill SB 2273 to North Dakota Legislative Branch to allow physical therapists to order diagnostic imaging in North Dakota. January 20, 2025.

Provided Testimony in-support of SB 2273 to the Senate Human Services Committee. January 27, 2025.

SB 2273 successful passed into law in August 2025, allowing physical therapists to order diagnostic imaging in North Dakota

Continuing Education Committee: October 2018 – December 2023

Journal Peer Reviewer

Frontiers in Aging Neuroscience 2026

BMC Medical Education 2026

Journal of Physical Therapy Education 2025

BMC Nursing. 2025

APTA Clinical Practice Guideline Development Reviewer. Pelvic health physical therapy rehabilitation for patients with prostate cancer: A clinical practice guideline. 2024

Physiotherapy. 2024

Brazilian Journal of Physical Therapy. 2023, 2024

PAIN. 2024

American Board of Physical Therapy Specialists. Specialization Academy of Content Experts (SACE). Item writer
2016 - 2018

Professional Development and Affiliations

Membership in Scientific/Professional Organizations

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(701) 356-2136
mwolden@uj.edu

American Physical Therapy Association

2006 – current

Section Member

Education (February 2015 - current)

Orthopaedic (February 2010 – 2019)

Pediatric (January 2017 – 2018)

American Physical Therapy Association North Dakota

2006 – current

Specialization Academy of Content Experts (SACE)

2016 – 2018

American Education Research Association (AERA)

2014 – 2016