

Ryan T. Pohlig, PhD

Director of the Biostatistics Core & Associate Professor in
Epidemiology

Contact

Email: rpohlig@udel.edu

Office: 614 Star Tower
STAR Health Sciences Complex
100 Discovery Blvd.
Newark DE, 19713

Education

Ph.D. Research Methodology, University of Pittsburgh, 2012
Major: Statistics
Minor: Psychometrics

M.A. Psychology in Education, University of Pittsburgh, 2011
Major: Research Methodology

B.S. Psychology, University of Scranton, 2005

Professional Experience

Associate Professor	2023-present
Program in Epidemiology, College of Health Sciences, University of Delaware, Newark, DE	
Director of the Biostatistics Core	2019-present
Biostatistics Core Facility, College of Health Sciences, University of Delaware, Newark, DE	
Assistant Professor	2019-2023
Program in Epidemiology, College of Health Sciences, University of Delaware, Newark, DE	
Manager of the Biostatistics Core	2017- 2019
Biostatistics Core Facility, College of Health Sciences, University of Delaware, Newark, DE	
Sr. Biostatistician	2015- 2017
Biostatistics Core Facility, College of Health Sciences, University of Delaware, Newark, DE	
Biostatistician	2013- 2015
Biostatistics Core Facility, College of Health Sciences, University of Delaware, Newark, DE	

Published Manuscripts

1. Gonzalez, M. R., Smiljanec, K., Mbakwe, A. U., Lobene, A. J., Pohlig, R. T., Farquhar, W. B., & Lennon, S. K. Sex influences blood pressure but not blood pressure variability in response to dietary sodium and potassium in salt-resistant adults. *Journal of Human Hypertension*.
2. Alghamdi, N., Pohlig, R. T., Seymore, K., Sions, J. M., Crenshaw, J. & Silbernagel, K. G. The immediate and short-term effect of using an in-show heel lift orthosis on clinical and biomechanical outcomes in individuals with insertional Achilles tendinopathy. *The Orthopaedic Journal of Sports Medicine*.
3. Thompson, E. D., Bhat, S., French, M. A., Morton, S. Pohlig, R. T., Reisman, D. S. The effect of an acute high intensity exercise bout on retention of an explicit, strategy-based locomotor learning task in individuals with chronic stroke. *Neurorehabilitation and Neural Repair*.
4. Stauffer, S. J., Seth, M., Pohlig, R. T., Beisheim-Ryan, E. H., Horne, J. R., Smith, S. C., Sarlo, F. B., & Sions, J. M. Risk Factors for Underreporting of Life-Limiting Comorbidity among Adults with Lower-Limb Loss. *Inquiry*.
5. Sanjana, F., Delgorio, P. L. Hiscox, L. V., DeConne, T. M., Pohlig, R. T., McGarry, M. Martens, C. R. & Johnson, C. L. (in press). Vascular determinants of hippocampal viscoelastic properties in healthy adults across the lifespan. *Journal of Cerebral Blood Flow and Metabolism*.
6. Shin, J. Y., Pohlig, R. T., & Habermann, B. (in press). Impacts of perceived choice on physical strain, emotional stress, and health among caregivers. *Western Journal of Nursing Research*. doi: 10.1177/01939459231186900
7. Sions, J.M., Seth, M., Beisheim, E.H., Pohlig, R. T., Hicks, G. E., & Horne, J. R. (in press). Adults with lower-limb amputation: Reduced multifidi muscle activity and extensor muscle endurance is associated with worse physical performance. *Clinical Physiology and Functional Imaging*.
8. Knox, P. J., Simon, C., Pohlig, R. T., Pugliese, Coyle, P. C., J. M., Sions, J. M., & Hicks, G. E. . (in press). Construct validity of movement-evoked pain operational definitions in older adults with chronic low back pain. *Journal of Pain Medicine*.
9. Sions, J.M., Seth, M., Pohlig, R. T., Stauffer, J. S., Horne, J. R., & Sarlo, B. S. (in press). Identification of key modifiable factors in community participation among adults with lower-limb amputation seen in an outpatient limb loss clinic. *American Journal of Physical Medicine & Rehabilitation*.
10. Knox, P. J., Simon, C. B., Pohlig, R. T., Pugliese, Coyle, P. C., J. M., Sions, J. M., & Hicks, G. E. (in press). Movement-evoked pain versus widespread pain: A Longitudinal comparison in older adults with chronic low back pain from the Delaware spine studies. *The Journal of Pain*.
11. Hanlon, S. L., Pohlig, R. T., & Silbernagel, K. G. (in press). Differences in recovery of tendon health explained by midportion Achilles tendinopathy subgroups: A 6-month follow-up. *Journal of Orthopaedic & Sports Physical Therapy*.

12. Knox, P. J., Pohlig, R. T., Pugliese, Coyle, P. C., J. M., Sions, J. M., & Hicks, G. E. A clinical measure of trunk neuromuscular function predicts falling in older adults with chronic low back pain. *Journal of Geriatric Physical Therapy*.
13. Arhos, E.K., Pohlig, R.T., Di Stasi S., Risberg, M.A., Snyder-Mackler, L., Silbernagel, K.G. (in press). Clinically relevant subgroups exist among athletes who have ruptured their anterior cruciate ligaments: A Delaware-Oslo ACL cohort study. *Arthritis Care & Research*.
14. Beisheim-Ryan, E. H., Hicks, G. E., Pohlig, R. T., Medina, J. & Sions, J. M. (in press). Comparing pain presentations between adults with and without increased amputated-region sensitivity. *Pain Practice*.
15. Ito, N., Sigurdsson, H. B., Pohlig, R. T., Cortes, D. H., Silbernagel, K. G., Sprague, A. L. (in press). Reliability of continuous shear wave elastography in the pathological patellar tendon. *Journal of Ultrasound in Medicine*.
16. Delgado, P. L., Hiscox, L. V., Daugherty, A., Sanjana, F. McIlvain, G., Pohlig, R. T., McGarry, M. Martens, C. R., Schwarb, H. & Johnson, C. L. (in press). Structure-Function dissociations of the human hippocampal subfield stiffness and memory performance. *Journal of Neuroscience*.
17. Coyle, P., Pohlig, R. T., Knox, P., Sions, J. M, & Hicks, G. E. (in press). Trajectories of physical function and disability over 12 months in older adults with chronic low back pain. *Journal of Geriatric Physical Therapy*.
18. Miller, A., Pohlig, R.T., & Reisman, D. S. (in press). Relationships Among Environmental Variables, Physical Capacity, Balance Self-Efficacy, and Real-World Walking Activity Post-Stroke. *Neurorehabilitation and Neural Repair*.
19. Seth, M., Pohlig, R. T., Hicks, G. E., Sions, J. M. Clinical mobility metrics estimate and characterize physical activity following lower-limb amputation. (in press). *BMC Sports, Medicine, and Rehabilitation*.
20. Delgorio, P. L., Hiscox, L. V., Daugherty, A. M., Sanjana, F., McIlvain, G., Pohlig, R.T., McGarry, M. D.J., Martens, C. R., Schwarb, H., & Johnson, C. L. (in press). Structure-function dissociations of hippocampal subfield stiffness memory performance. *Journal of Neuroscience*.
21. Corrigan, P., Hornsby, S., Pohlig, R.T., Willy, R., & Silbernagel, K.G. (in press). Tendon loading in runners with Achilles tendinopathy: relations to pain, structure, and function during return-to-sport. *Scandinavian Journal of Medicine and Science in Sports*.
22. DiFabio, M. S., Smith, D. R., Breedlove, K. M., Pohlig, R. T., Buckley, T. A., & Johnson, C. L. (in press). Altered resting-state functional connectivity in the frontoparietal network following an ice hockey season. *European Journal of Sport Science*.
23. Sions, M., Donohoe, M., Beisheim, Pohlig, R. T. E., Shank, T., & Reid, N., (in press). Test-retest reliability for performance-based outcome measures among individuals with Arthrogyposis Multiplex Congenita. *BMC Musculoskeletal Disorders*.

24. Seth, M., Pohlig, R. T., Beisheim, E.H., Horne, Hicks, G. E. & Sions, J.M. (in press). Residual and sound limb hip strength distinguish between sedentary and non-sedentary adults with transtibial amputation. *International Journal of Rehabilitation Research*.
25. Sions, M., Beisheim, E., Shank, T., Donohoe, M., Reid, N., & Pohlig, R. T. (in press). Characterizing pain among adolescents and young adults with Arthrogyposis Multiplex Congentia. *Pediatric Physical Therapy*.
26. Sprague, A.L., Coupe, C., Pohlig, R. T., Cortes, D. C., & Silbernagel, K. G. (in press). Relationships between tendon structure and tendon health in patients with patellar tendinopathy. *Journal of Orthopaedic Research*.
27. Alghamdi, N., Pohlig, R. T., Sions, J. M. & Silbernagel, K. G. (in press). Differences at the Achilles insertion between patients with insertional and midportion Achilles tendinopathy as observed using ultrasound. *Muscle, Ligaments and Tendons Journal*.
28. Knox, P. J., Simon, C.B., Pohlig, R. T., Pugliese, Coyle, P. C., J. M., Sions, J. M., & Hicks, G. E. (2022). Standardized assessment of movement-evoked pain ratings contributes to functional outcomes in older adults with chronic low back pain. *Clinical Journal of Pain*, 38, p241-249. doi: 10.1097/AJP.0000000000001016
29. Sions, M., Beisheim, E. H., Pohlig, R. T. & Seth, M. (2022). Adults with unilateral lower-limb amputation: Greater pain Extent is Associated with worse adjustment, greater activity restrictions, and less prosthesis satisfaction. *Scandinavian Journal of Pain*. doi: 10.1515/sjpain-2021-0132
30. Knox, P. J., Pohlig, R. T., Pugliese, Coyle, P. C., J. M., Sions, J. M., & Hicks, G. E. (2022). Aberrant lumbopelvic movements negatively affect prospective physical function in older adults with chronic lower back pain. *Archives of Physical Medicine and Rehabilitation*. 103, 473-480. doi: 10.1016/j.apmr.2021.08.014
31. Pugliese, J. M., Coyle, P. C., Knox, P. J., Sions, J. M., Patterson, C. G., Pohlig, R.T., Simon, C. B., Weiner, D. K., George, S., Z., Piva, S. R., & Hicks, G.E. (2022). The manual therapy and strengthening for the hip (MASH) trial: Protocol for a multisite randomized trial of a subgroup of older adults with chronic back and hip pain. *Physical Therapy and Rehabilitation Journal*. doi: 10.1093/ptj/pzab255
32. Beisheim-Ryan, E. H., Pohlig, R. T., Hicks, G. E., Horne, J. R. & Sions, J. M. (2022). Mechanical pain sensitivity in post-amputation pain. *Clinical Journal of Pain*, 38, p23-31. doi: 10.1097/AJP.0000000000000989
33. Beisheim-Ryan, E. H., Hicks, G. E., Pohlig, R. T., Medina, J. & Sions, J. M. (2022). Body representation among adults with phantom limb pain: Results from a foot identification task. *European Journal of Pain*, 26, 255-26. doi: 10.1002/ejp.1860
34. Seth, M., Beisheim, E.H., Pohlig, R.T., Horne, J.R., Sarlo, F. B., & Sions, J.M. (2022). Time since lower-limb amputation: An important consideration in mobility outcomes. *American Journal of Physical Medicine and Rehabilitation*, 1, 32-39. doi: 10.1097/PHM.0000000000001736

35. French, M., Miller, A., Pohlig, R.T., & Reisman, D. S. (2021). Depressive symptoms moderate the relationship between physical capacity, self-efficacy, and participation in individuals after stroke. *Physical Therapy and Rehabilitation Journal*. doi: 10.1093/ptj/pzab224
36. Beisheim-Ryan, E. H., Hicks, G. E., Pohlig, R. T., Medina, J. & Sions, J. M. (2021). Body image and perception among adults with and without phantom limb pain. *PM&R: The journal of injury, function and rehabilitation*. doi: 10.1002/pmrj.12750
37. Seth, M., Coyle, P. J., Pohlig, R. T., Beisheim, E.H., Horne, Hicks, G. E. & Sions. J.M. (2021). Gait asymmetry is associated with performance-based physical function among adults with lower-limb amputation. *Physiotherapy Theory and Practice*, 17, 1-11. doi: 10.1080/09593985.2021.1990449
38. Seth, M., Pohlig, R. T., Beisheim, E.H., Horne, Hicks, G. E. & Sions. J.M. (2021). Vibration sensitivity and its association with balance performance among adults with unilateral transtibial amputation as compared to age-matched adults without amputation. *Archives of Rehabilitation Research and Clinical Translation*, 3, 100161. doi: 10.1016/j.arrct.2021.100161
39. Hicks, G. E., Pohlig, R. T., Coyle, P. C., Sions, J. M., Weiner, D. K., Pugliese, J. M., Velasco, T. O., & O'Brien, V. A. (2021). Classification of geriatric low back pain based on hip characteristics with a 12-month longitudinal exploration of clinical outcomes: Findings from Delaware Spine Studies. *Physical Therapy and Rehabilitation Journal*, 101, pzab227. doi: 10.1093/ptj/pzab227
40. Coyle, P. C., Knox, P. J., Pugliese, J., Sions, J. M., Pohlig, R. T., & Hicks, G. E. (2021). Hip range of motion and strength predict physical function outcomes in older adults with chronic low back pain. *ACR Open Rheumatology*, 3, 850-859. doi: 10.1002/acr2.11342
41. Alghamdi, N., Pohlig, R. T., Lundberg, M., & Silbernagel, K. G. (2021). The impact of the degree of kinesiophobia on patients with Achilles tendinopathy. *Physical Therapy and Rehabilitation Journal*, 101, pzab178. doi: 10.1093/ptj/pzab178
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43. Collimore, A. N., Aiello, A. J., Pohlig, R.T., & Awad, L.N. (2021). The dynamic motor control index as a marker of age-related neuromuscular impairment. *Frontiers in Aging Neuroscience* 13, 678525. doi: 10.3389/fnagi.2021.678525
44. Miller, A., Pohlig, R.T., Wright, T., Kim, H., & Reisman, D. S. (2021). Beyond physical capacity: Factors associated with real-world walking activity post stroke. *Archives of Physical Medicine and Rehabilitation*. 102, 1880-1887. doi: 10.1016/j.apmr.2021.03.023
45. Hanlon, S. L., Pohlig, R. T., Silbernagel, K. G. (2021). Beyond the diagnosis: Using patient characteristics and domains of tendon health to identify latent subgroups of Achilles tendinopathy. *Journal of Orthopaedic and Sports Physical Therapy* 51, 440-448. doi: 10.2519/jospt.2021.10271

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47. Knox, P. J., Coyle, P. C., Pugliese, J. M., Pohlig, R. T., Sions, J. M., & Hicks, G. E. (2021). Hip osteoarthritis signs and symptoms compound fall risk among community-dwelling older adults with chronic low back pain: a prospective study. *Arthritis Research and Therapy*, 23, 71. doi: 10.1186/s13075-021-02455-5
48. Sprague, A.L., Coupe, C., Pohlig, R. T., Snyder-Mackler, L., & Silbernagel, K. G. (2021). Pain guided activity monitoring treatment for patellar tendinopathy: A Feasibility and pilot randomized clinical trial. *Pilot and Feasibility Studies* 7, 58. doi: 10.1186/s40814-021-00792-5
49. Sions, J. M., Beisheim, E. H., Hoggarth, M.A., Elliott, J. M., Hicks, G. E., Pohlig, R. T., & Seth, M. (2021). Trunk muscle characteristics: Differences between adults with and without unilateral lower-limb amputation. *Archives of Physical Medicine and Rehabilitation* 102, 1331-1339. doi: 10.1016/j.apmr.2021.02.008
50. Pigman, J., Reisman, D. S., Pohlig, R. T., Jeka, J.J., Wright, T. R., Conner, B.C., Petersen, D. A., Christensen, M.S. & Crenshaw, J. R. (2021). Posterior fall-recovery training applied to individuals with chronic stroke: A single-group intervention study. *Journal of Clinical Biomechanics* 82, 105249. doi: 10.1016/j.clinbiomech.2020
51. Delgorio, P. L., Hiscox, L. V., Daugherty, A. M., Sanjana, F., Pohlig, R.T., Ellison, J. M., Martens, C. R., Schwarb, H., McGarry, M. D.J., & Johnson, C. L. (2021). Effect of aging on the viscoelastic properties of Hippocampal subfields assessed with high-resolution MR Elastography. *Cerebral Cortex* 31, 2799-2811. doi: 10.1093/cercor/bhaa388
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60. Goodkind, S. Shook, J.J., Kolivoski, K., Pohlig, R. T., Little, A., & Kim, K. (2020). From child welfare to the criminal justice system: Mediating effects of juvenile justice and other system involvement. *Child Maltreatment* 25, 410-421. doi: 10.1177/1077559520904144
61. Sprague, A. L., Awokuse, D., Pohlig, R. T., Cortes, D. H., Silbernagel, K. G. (2020). Relationship Between Mechanical Properties (Shear Modulus and Viscosity), Age, and Sex in Uninjured Achilles Tendons. *Translational Sports Medicine*, 3(4) 321-327. doi: 10.1002/tsm2.148
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Manuscripts in Review

Nguyen, N.T., Christensen, M.S., Tracy, J.B., Kellaheer, G.K., Pohlig, R.T., & Crenshaw, J.R. How should the margin of stability be expressed to account for body size?

Seth, M., Horne, J. R., Pohlig, R. T., & Sions, J.M., Pain, balance-confidence, and functional mobility are associated with risk of recurrent falls among adults with lower-limb amputation.

Silvers, H. G., Mandelbaum, Bizzini, M., Arundale, A., Pohlig, R. T., & Synder-Mackler, L. Teams using 11+ dynamic warm up with high compliance had better win-loss records.

Smiljanec, K, Mbakwe, A., Ramos-Gonzalez, M., Pohlig, R.T., & Lennon, S. Acute high sodium meal does not impair endothelial function in young, healthy adult humans: A randomized controlled crossover trial.

Smitheman, H. P., Hanlon, S., Lundberg, M., Pohlig R.T., & Silbernagel, K. G. The effect of kinesiophobia on short term outcomes in patients with midportion Achilles tendinopathy treated with the Silbernagel protocol.

Current Research Support

9/22-2/26 A01031 (PI: Baxter) Defining neuromechanical mechanisms of Achilles tendinopathy progression

2/22-1/27 R01AG071585-01A1 (PI: Morton) Pain and motor learning in older adults.

9/21-8/26 P20 GM113125 (PI: Edwards) Phase 2 for the COBRE in cardiovascular health.

- 4/21-3/26 R01 AR078898 (PI: Baxter) Tendon loading profiles to promote healing in Achilles tendinopathy.
- 4/20-3/25 R01 HD078330-05A1 (PI: Reisman) Behavioral and neurophysiologic process of locomotor learning after stroke.
- 9/19-8/24 R01 EB027577 (PI: Johnson) High-Resolution, anisotropic MR elastography of the brain.
- 9/19-8/24 R01 HL145055 (PI: Lennon) Mechanisms underlying the protective vascular effects of dietary potassium in humans.
- 4/19-3-24 R01 HL146558 (PI: Wenner) Mechanisms of vascular dysfunction with advancing reproductive age.
- 7/18-3/23 R01 AG058853 (PI: Johnson). Mechanical integrity of memory systems in mild cognitive impairment
- 4/18-3/23 R01AR072034 (PI: Gravare-Silbernagel). Recovery of symptoms, function, tendon structure and mechanical properties in patients with Achilles tendinopathy: A comparison between men and women.

Completed Research Support

- 8/20-7/22 R03 (Mennella/Trabulsi) Secondary analyses of RCT data on sensitive periods in flavor learning and diet among breastfeeding dyads.
- 7/17-6/22 R01 HL104106 (PI: Farquhar/Edwards). Vascular effects of dietary salt in humans with salt-resistant BP.
- 6/16-1/22 R01 HD087459 (PI: Buchanan) ACL injured knee: MRI and biomechanical modeling.
- 8/16-7/21 R01HD086362 (PI: Reisman) Promoting recovery optimization with walking exercise after stroke.
- 6/16-5/21 P20 GM113125 (PI: Edwards) COBRE in cardiovascular health.
- 4/16-3/21 R01 HL128388 (PI: Stocker & Farquhar). Adverse neurogenic actions of dietary salt.
- 9/18-8/20 R03 HD094908 (Trabulsi) Secondary analyses of RCT data on infant formula and nutritional programming.
- 4/17-3/20 R03 HD088668 (PI: Sions) Trunk muscle characteristics and their association with balance, function, and participation among individuals with amputations.
- 7/17-6/19 AHA GRNT33670462 (PI: Edwards) Mitochondrial oxidative stress in chronic kidney disease.
- 9/14-5/19 R01 HD078330 (PI: Reisman) Behavioral and neurophysiologic process of locomotor learning after stroke.
- 04/13-05/18 U54 GM104941 (PI: Binder-MacLeod) DE-CTR. ACCEL: Accelerating clinical and translational research.

- 10/16-9/17 ACE: 17A00300 (PI: Buckley) Effects of dual-task cognitive training on head impact kinematics.
- 9/17-12/17 R21AR071079 (PI: White). A novel physical therapy administered physical activity intervention after TKR.
- 11/14-4/17 R01 AG041202 (PI: Hicks) Chronic low back pain in older adults: The role of co-existing hip impairments.
- 05/15-2/17 R01 HHSN271201400074C (PI: Evans & Zonderman) Healthy aging in neighborhoods of diversity across the life span.
- 01/16-09/16 DPH/PHSS/USDA (PI: Dominick) Wearable physical activity devices (Fitbit Charge and Jawbone Up 2) on moderate & vigorous physical activity among WIC mothers.
- 05/15-05/16 P20 GM103446-14 (PI: Sims) INBRE pilot. Diet quality, inflammation, and cognition: An analysis of HANDLS.
- 11/15-11/16 APTA (PI: Arundale) Lower extremity injury risk following anterior cruciate ligament reconstruction and return to Major League Soccer.
- 01/15-12/15 CTR-Big Data Project (PI: Papas) Integrating state medicaid paid claims, substance abuse, and mental health data.
- 09/14-012/14 (PI's: Pretzer-Aboff & Prettyman), The Parkinson Council. Parkinson's disease telehealth clinic.
- 09/13-05/14 P30 GM103333 (PI: Buchanan) COBRE-3. Osteoarthritis: Prevention and treatment.
- 09/11-05/12 PHS grant ULI RR025008 (PI: Cha) Emory University Research Committee and the Atlanta Clinical Translational Science Institute Collaborative Grant. Preventing type 2 diabetes in high risk young adults: A pilot descriptive study
- 09/08 – 09/12 (PI's: Shook & Goodkind), The Pittsburgh Foundation, the Eden Hall Foundation, and the University of Pittsburgh's Center on Race and Social Problems. Examining youth's experiences with the child welfare system in Allegheny County.

Abstracts & Presentations

1. Potter MN, Pohlig R, Silbernagel KG. Central sensitization index is not related to symptom duration in Achilles tendinopathy. Podium presentation at International Scientific Tendinopathy Symposium. Valencia, Spain. Nov 9-11th, 2023.
2. Habermann, B., Shin, J. Y., & Pohlig, R. T. Utilization among U.S. caregivers of community-dwelling older adults. (2023, June.). International Family Nursing Conference. Dublin, Ireland.
3. Shin, J. Y., Pohlig, R. T., & Habermann, B. Correlates of caregivers' perceived choice in becoming a caregiver and health outcomes. (2023, June.). International Family Nursing Conference. Dublin, Ireland.

4. Shin, J. Y., Pohlig, R. T., & Habermann, B. Information needs and online service utilization among caregivers living with an older adult. (2023, June.). International Family Nursing Conference. Dublin, Ireland.
5. Shin, J. Y., Pohlig, R. T., & Habermann, B. Correlates of service utilization among U.S. Caregivers of community-dwelling older adults. (2023, March.). Eastern Nursing Research Society. Philadelphia, PA.
6. Shin, J. Y., Pohlig, R. T., & Habermann, B. Correlates of caregivers' perceived choice in becoming a caregiver and health outcomes. (2023, March.). Eastern Nursing Research Society. Philadelphia, PA.
7. Arhos, E., Pohlig, R. T., Di Stasi, S., Risberg, M. A., Snyder-Mackler, L., Silbernagel, K. G. *Subgroups of athletes after ACL rupture may explain clinically relevant long-term outcomes.* (2023, March.). World Congress in Osteoarthritis, Osteoarthritis Research Society International. Denver, CO.
8. Hanselman, A., Seymore, K., Pohlig, R. T., Silbernagel, K. G., & Corrigan, P. Relation of tendon forces to pain throughout a 30-min run in runners with Achilles tendinopathy. (2023, Feb.). Combined Sections meeting of the American Physical Therapy Association. San Diego, CA.
9. Sions, J. M., Seth, M., Beisheim-Ryan, E. H., Hicks, G. E., Pohlig, R. T., & Horne, J. R. Reduced multifidi muscle activity and extensor muscle endurance is associated with worse physical performance post-amputation. (2023, Feb.). Combined Sections meeting of the American Physical Therapy Association. San Diego, CA.
10. Coyle, P. C., Knox, P. J., Pohlig, R. T., Pugliese, J. M., Sions, J. M., & Hicks, G. E. Hip ROM and strength predict 12-month physical function outcomes in older adults with chronic LBP. (2023, Feb.). Combined Sections meeting of the American Physical Therapy Association. San Diego, CA.
11. Arhos, E., Pohlig, R. T., Di Stasi, S., Risberg, M. A., Snyder-Mackler, L., Silbernagel, K. G. *Subgroups of athletes after ACL rupture may explain clinically relevant long-term outcomes.* (2023, Feb.). Combined Sections meeting of the American Physical Therapy Association. San Diego, CA.
12. Knox, P. Simon, C. B., Pohlig, Pugliese, J., Coyle, P. C., Sions, J. M., Hicks, G. E. *Examining the fear-avoidance model in the context of geriatric chronic low back pain.* (2023, Feb.). Combined Sections meeting of the American Physical Therapy Association. San Diego, CA.
13. Seth, M., Pohlig, R. T., Horne, J., Stauffer, S, Pook, T. D., and Sions, J. M. *Factors influencing participation post-amputation.* (2023, Mar). American Academy of Orthotists and Prosthetists Annual Conference. Nashville, Tenn.
14. Collimore, A., Pohlig, R. T., Awad, L. *Minimum viable muscle set for identifying impairments in the neuromuscular control of walking using the dynamic motor control index.* (2022, August). North American Congress on Biomechanics, Ottawa, Canada.

15. Nguyen, N.T., Christensen, M.S., Tracy, J.B., Kellaher, G.K., Pohlig, R.T., Crenshaw, J.R. (2022, Aug.) How should the margin of stability be expressed to account for body size? North American Congress on Biomechanics, Ottawa, Canada.
16. Knox, P.J., Coyle, P. C., Pugliese, J. M., Pohlig, R. T., Sions, J. M., Hicks, G. E. (2022, Sept.) *Movement-Evoked Pain versus Widespread Pain: A Longitudinal Investigation in Older Adults with Chronic Low Back Pain*. International Association for the Study of Pain Annual Conference. Toronto, Canada.
17. Rizzi, N. DeConne, T., Pohlig, R. T., Martens, C. *Latent Mixture Modeling to Identify Homogeneous Subgroups Predictive of Cerebrovascular Reactivity*. (2022, Apr.). Experimental Biology 2022. Philadelphia, PA.
18. Seth, M., Pohlig, R. T., Hicks, G. E., and Sions, J. M. *Clinical measures of mobility estimate daily physical activity following lower-limb amputation*. (2022, Mar). American Academy of Orthotists and Prosthetists Annual Conference. Atlanta, GA.
19. Arhos, E., Pohlig, R. T., Risberg, M. A., Snyder-Mackler, L., Silbernagel, K. G. *Clinically relevant subgroups exist among athletes who have ruptured their anterior cruciate ligament*. (2022, Apr). ESSKA Congress, Paris, France.
20. Collimore, A., Pohlig, R. T., Awad, L. *Identifying age-related changes in the neuromuscular control of walking using reduced muscle sets*. (2022, July). World Congress on Biomechanics, Taipei, Taiwan.
21. Miller, A., Pohlig, R. T., & Reisman, D. S. *Relationship of walking variables, balance self-efficacy, and real world walking activity post-stroke* (2022, Feb.). Platform presentation at the Combined Sections meeting of the American Physical Therapy Association. San Antonio, TX.
22. Miller, A., Pohlig, R. T., & Reisman, D. S. *Accuracy of step activity monitoring devices in the real-world setting in chronic stroke* (2022, Feb.). Poster presented at the Combined Sections meeting of the American Physical Therapy Association. San Antonio, TX.
23. Sions JM, Beisheim EH, Pohlig RT, Seth M. *More Bodily Pain is Associated with Worse Adjustment, Greater Restrictions, and Less Prosthesis Satisfaction Post-Amputation*. (2022, Feb.). Combined Sections meeting of the American Physical Therapy Association. San Antonio, TX.
24. Knox, P. J., Coyle, P. C., Pugliese, J. M., Pohlig, R. T., Sions, M., & Hicks, G. E. *A Comparison of Movement-Evoked Pain Calculation Methods in Older Adults with Chronic Low Back Pain*. (2022, Feb.). Combined Sections meeting of the American Physical Therapy Association. San Antonio, TX.
25. Knox, P. J., Coyle, P. C., Pugliese, J. M., Pohlig, R. T., Sions, M., & Hicks, G. E. *Aberrant Lumbopelvic Movements Predict Falling in Older Adults with Chronic Low Back Pain*. (2022, Feb.). Combined Sections meeting of the American Physical Therapy Association. San Antonio, TX.
26. Beisheim, E. H., Pohlig, R. T., Medina, J. Hicks, G. E., & Sions, J. M. *Mental rotation and phantom limb pain: Evaluating body representation among adults with lower limb loss*. (2022, Feb.). Combined Sections meeting of the American Physical Therapy Association. San Antonio, TX.

27. Beisheim, E. H., Hicks, G. E., Pohlig, R. T., Medina, J. & Sions, J. M. *Differences in body image and perception between adults with and without phantom limb pain.* (2022, Feb.). Combined Sections meeting of the American Physical Therapy Association. San Antonio, TX.
28. Seth, M., Pohlig, R. T., Beisheim, Stauffer, S., E. H., Horne, Hicks, G. E., & Sions, J. M. *Function ability and residual limb strength distinguish between sedentary and active adults with transtibial amputation.* (2021, May). Annual Meeting of the American Academy of Orthotists and Prosthetists, New Orleans, LA.
29. Seth, M., Pohlig, R. T., Beisheim, E. H., Horne, Hicks, G. E., & Sions, J. M. *Gait asymmetry may explain mobility outcomes in adults with lower limb amputation.* (2021, May). Annual Meeting of the American Academy of Orthotists and Prosthetists, New Orleans, LA.
30. Gonzalez, M. R., Smijanec, K., Mbawke, A., Lobene, A., Pohlig, R. T., Farquhar, W. B., Lennon, S. L. *Sex differences in blood pressure variability in response to sodium and potassium diets.* (2021, April) Graduate Student Forum, University of Delaware.
31. Collimore, A. N., Aiello, A. J., Pohlig, R. T., Awad, L. N. *The dynamic motor control index is a better marker of age-related neuromotor impairments than the number of muscle synergies: Toward early detection of walking deficits.* (2021, April) Annual Conference Society of the Neural Control of Movement, virtual.
32. Ramos-Gonzalez, M., Smiljanec, K., Umbwake, A. U., Pohlig, R. T., Lennon, S. L. *Blood pressure variability in response to varying levels of sodium and potassium.* (2021, Apr). Paper presentation at the Annual Meeting at Experimental Biology, virtual.
33. Sprague, A. L., Coupe, C., Pohlig, R. T., Snyder-Mackler, L., & Silbernagel, K.G. *Pain-guided activity modification during treatment for patellar tendinopathy: A Feasibility and pilot randomized clinical trial.* (2021, Feb). Combined Sections meeting of the American Physical Therapy Association, Orlando, FL.
34. Miller, A., Thompson E., Wright, H. Wright, T., Pohlig, R. T., & Reisman, D. S. *Readiness to change is related to daily stepping, depressive symptoms and area deprivation in stroke.* (2021, Feb). Combined Sections meeting of the American Physical Therapy Association, Orlando, FL.
35. Miller, A., French, M. A., Pohlig, R. T., & Reisman, D. S. *Depressive symptoms impact the relationship between physical capacity, self-efficacy, and participation in stroke survivors.* (2021, Feb). Combined Sections meeting of the American Physical Therapy Association, Orlando, FL.
36. Coyle, P. C., O'Brien, V. A., Edwards, D. G., Pohlig, R. T., Hicks, G. E. *Cardiovascular health markers in older adults with and without chronic low back pain and radiculopathy.* (2021, Feb). Combined Sections meeting of the American Physical Therapy Association, Orlando, FL.
37. Alghamdi, N, Pohlig, & R.T., Silbernagel, K.G. (2021). *Determine Achilles tendon structure differences in patients with insertional Achilles tendinopathy and midportion Achilles tendinopathy.* (2021, Feb). Combined Sections meeting of the American Physical Therapy Association, Orlando, FL.

38. Hanlon, S. L., Pohlig, & R.T., Silbernagel, K.G. (2021). *Patients with Achilles tendinopathy can be classified into three subgroups: High Loaders, Symptom Focused and Structurally Impaired*. (2021, Feb). Combined Sections meeting of the American Physical Therapy Association, Orlando, FL.
39. Beisheim, E.H., Hoggarth, M.A., Elliott, J. M., Hicks, G.E., Pohlig, & R.T. Sions. J.M.. *Lumbar muscle characteristics following lower-limb loss: A Musculoskeletal ultrasound and magnetic resonance imaging study*. (2021, Feb). Combined Sections meeting of the American Physical Therapy Association, Orlando, FL.
40. Knox, P. J., Coyle, P. C., Pugliese, J. M., Pohlig, R. T., Sions, M., & Hicks, G. E. *The Link between aberrant lumbopelvic movements and physical function in geriatric low back pain*. (2021, Feb). Combined Sections meeting of the American Physical Therapy Association, Orlando, FL.
41. Knox, P. J., Coyle, P. C., Pugliese, J. M., Pohlig, R. T., Sions, M., Hicks, G. E. *Movement-Evoked pain: A Unique construct that is associated with lower extremity functional performance in older adults with chronic low back pain*. (2021, Feb). American Academy of Pain Medicine Annual Conference, Phoenix, AZ.
42. Beisheim, E., Medina, J., Pohlig, R. T., Hicks, G. E., Sions, J. M. (2021, Feb). *Generalized pain hypersensitivity in post-amputation pain*. Poster presented DE-CTR ACCEL Annual Meeting.
43. Noh, A., Pohlig, R. T., Prisby, R. *The influence of Interleukin-1 receptor antagonism and bone marrow ablation on vasodilator capacity, bone marrow blood vessel ossification, and bone microarchitecture in old Fischer-344 rats*. (2020, Sept) Annual Meeting of the American Society for Bone and Mineral Research, Seattle, WA.
44. Miller, A., Pohlig, R. T., & Reisman, D. S. *Understanding daily walking activity in those with chronic stroke*. (2020, June). Annual Meeting of the Gait and Clinical Movement Analysis Society, West Chester, PA.
45. Seth, M., Coyle, P. C., Pohlig, R. T., Beisheim, E. H., Horne, J. R., Horne, J. R. & Sions, J. M. *Gait asymmetry is associated with mobility performance of individuals with lower limb amputation*. (2020, June). Annual Meeting of the Gait and Clinical Movement Analysis Society, West Chester, PA.
46. McCartney, K.M., Beisheim, E.H., Seth, M., Hicks, G. E., Pohlig, R. T., Horne, J.R., & Sions, J.M. *Adults with non-vascular transtibial amputation: No difference between limbs in light touch sensation*. (2020, March). Annual Meeting of the American Academy of Orthotists and Prosthetists, Chicago, IL.
47. Beisheim, E., Seth, M., Horne, J.R., Pohlig, R. T., Hicks, G. E., & Sions, J.M. *Residual limb pain is associated with contralateral limb pain more than one year post-amputation*. (2020, March). Annual Meeting of the American Academy of Orthotists and Prosthetists, Chicago, IL.
48. Seth, M., Pohlig, R. T., Beisheim, E. H., Horne, & Sions, J. M. *Time since amputation may estimate mobility outcomes of adults with lower limb amputation*. (2020, March). Annual Meeting of the American Academy of Orthotists and Prosthetists, Chicago, IL.

49. Seth, M., Pohlig, R. T., Beisheim, E. H., Horne, J. R., Smith, S. & Sions, J. M. *Suction suspension may result in better socket fit comfort among adults with a transtibial amputation.* (2020, March). Annual Meeting of the American Academy of Orthotists and Prosthetists, Chicago, IL.
50. Beisheim, E. H., Seth, M., Horne, J.R., Pohlig, R.T., Hicks, G.E., Sions, J.M. (2020, March) *Sex-specific differences in pressure sensitivity among adults with and without post-amputation pain as compared to healthy controls.* College of Health Sciences Research Day, Newark DE.
51. Spencer, M., Seth, M., Pohlig, R.T., Beisheim, E. H., Horne, J.R., Smith, S., Sions, J.M. (2020, March) *Self-reported outcomes of individuals with transtibial amputation using pinlock versus suction suspension.* College of Health Sciences Research Day, Newark DE.
52. French, M. A., Cohen, M, Pohlig, R. T., Reisman, D. S. *The relationship between motor and cognitive switching during walking in stroke survivors and age-matched healthy adults.* (2020, May). Foundation for the American Society of Neuroradiology Symposium, Las Vegas, NV.
53. Sprague, A. L., Awokuse, D., Pohlig, R. T., Cortes, D. H., Silbernagel, K. G. *Relationship between viscoelastic properties, age, and sex in asymptomatic Achilles tendons.* (2020, Feb). Orthopaedic Research Society Annual Meeting, Phoenix, AZ.
54. Corrigan, P., Pohlig, R. T., Cortes, D., Silbernagel, K G. *Tendon thickening and mechanical properties long-term outcomes for patients with Achilles tendinopathy.* (2020, Feb). Orthopaedic Research Society Annual Meeting, Phoenix, AZ.
55. Miller, A., Pohlig, R.T., Reisman, D. S. *Role of social and physical environmental factors in walking activity in those with chronic stroke.* (2020, Feb). Combined Sections meeting of the American Physical Therapy Association, Denver, CO.
56. Corrigan, P., Cortes, D., Pohlig, R. T., Silbernagel, K G. *Tendon morphology and mechanical properties predict symptom recovery for patients with Achilles tendinopathy.* (2020, Feb). Platform presentation at the combined Sections meeting of the American Physical Therapy Association, Denver, CO.
57. French, M. A., Cohen, M, Pohlig, R. T., Reisman, D. S. *Does cognition predict ability to learn and remember a novel walking pattern in individuals post stroke?* (2020, Feb). Combined Sections meeting of the American Physical Therapy Association, Denver, CO.
58. Sions, J.M., Beisheim, E.H., Hicks, G.E., & Pohlig, R.T. *Differences in Trunk Muscle Activity in Adults with Lower-Limb Loss as Compared to Controls.* (2020, Feb). Combined Sections meeting of the American Physical Therapy Association, Denver, CO.
59. Mennella, J., Reiter, A., Pohlig, R. T., Stallings, V., Trabulsi, J. (2019). Timing and Patterning of Primary Teeth Eruption as a Biomarker for Early Rapid Weight Gain. *Current Developments in Nutrition.* doi: 10.1093/cdn/nzz048.P11-080-19
60. Kuczmariski, M. F., Brewer, B.C., Rawal, R. Pohlig, R. T., Zonderman, A. B., & Evans, M. K. (2019, Nov). *Aspects of Dietary Diversity Differ in their Association with Body Mass Index in Racially Diverse US Adults.* Obesity Society Meeting, Las Vegas, NV.

61. Pigman, J., Reisman, D. S., Pohlig, R. T., & Crenshaw, J. R. (2019, July). *The Effects of Fall-Recovery Training on Single-and Multiple-Stepping Thresholds in Individuals with Chronic Stroke*. Poster presentation accepted for the American Society of Biomechanics Conference, Calgary, AB.
62. Gawrysiak, M. J., Chaoul, A., Pohlig, R., Vaughn, M., Rocco, G., & Aves, T. (2018, Nov). *3-DOORS Compassion Project: Examining the Longitudinal Effects of a 9-Month Tibetan Bön Meditation Training Program*. Poster presentation accepted for the 2018 International Symposium for Contemplative Research Bi-annual meeting for the Mind and Life Institute. Phoenix, AZ.
63. Maser, R. E., Leonard, M. J., Pohlig, R. T., & Balagopal, P. B. (2018, June). *Circulating pigment Epithelium-derived factor levels: Hyperglycemia versus insulin resistance*. Poster presented for Annual meeting of the American Diabetes Association, New York, NY.
64. Shin, J.Y., Pohlig, R., & Habermann, B. (2018, May.). *Complementary and Alternative Medicine(CAM) Use in people with Parkinson's disease*. Paper presented for Edmond H. Safra Visiting Nurse Faculty Program at the Parkinson's Foundation, Orlando, FL.
65. French, M. Pohlig, R. T., & Reisman, D. (2018, Feb.). *The relationship between BDNF Val66Met polymorphism and functional recovery in chronic stroke survivors*. Poster presentation at Combined Sections Meeting for the American Physical Therapy Association, New Orleans, LA.
66. Galgiani, J., Pohlig, R. T., Morton, S., Alcantara, A., Hsiao, H., Higginson, J. (2018, Feb.). *Timed Up And Go performance moderates the relationship between trailing limb angle and walking speed in stroke survivors*. Poster presentation at Combined Sections Meeting for the American Physical Therapy Association, New Orleans, LA.
67. Maritz, C. A., Silbernagel, K. G., & Pohlig, R. T. (2017, Dec.). *Relationship of backward walking to clinical outcome measures used to predict falls in the older population: A factor analysis*. Euro-Global Physiotherapy Congress, Rome, Italy.
68. Singh, H., Chen, Z., Pohlig, R. T., Bembem, M. G., & Bembem, D. A. (2017, Sept.). *Is adiposity related to neuromuscular performance and musculoskeletal strength in community-dwelling older adults?*. Poster presentation at Annual Meeting for the American Society for Bone and Mineral Research, Denver, CO.
69. Shin, J.Y., Pohlig, R., & Habermann, B. (2017, Apr.). *Beliefs about Use of Complementary Health Approaches for Parkinson's disease*. Paper presented at the Annual ENRS Scientific Sessions, Philadelphia, PA.
70. Silvers-Granelli, H. Bizzini, M., Arundale, A., Mandelbaum, B. R., Pohlig, R. T., Snyder-Mackler, L. (2017). Does higher compliance to the FIFA 11+ injury prevention program improve overall injury rate in male soccer (football) players? *British Journal of Sports Medicine* 51, 389-390, doi: 10.1136/bjsports-2016-097372.268

71. Sions, J. M., Pohlig, R. T., Hicks, G. E. (2017, Feb.). *Older Adults with a Primary Complaint of Low Back Pain: Hip Strength Helps to Explain Physical Performance*. Platform presentation at Combined Sections Meeting for the American Physical Therapy Association, San Antonio, TX.
72. Shin, J.Y., Pohlig, R., & Habermann, B. (2016). *Complementary and alternative medicine (CAM) use in people with Parkinson's disease (PD)*. Journal of Parkinson's Disease, 6 (Supplement 1), 104.
73. Shin, J.Y., Pohlig, R., & Habermann, B. (2016). *Motor and non-motor symptoms of Parkinson's disease by gender and disease duration*. Journal of Parkinson's Disease, 6 (Supplement 1), 135.
74. Makonnen, E., Maser, R.E., Lenhard, M.J., & Pohlig, R.T. (2016). Clusterin and cardiovascular autonomic function: Any association in type 2 diabetes? Endocrine Practice, 22, (Supplement 2), 280.
75. Makonnen, E., Maser, R.E., Lenhard, M.J., Pohlig, R.T., & Sneider, M.B. (2016). Osteoprotegerin trumps osteopontin as a serum biomarker of coronary artery calcification in type 2 diabetes.
76. Maser, R.E., Lenhard, M.J., & Pohlig, R.T. (2016). Pigment Epithelium-Derived Factor is a Marker of Insulin Sensitivity in Arterial Calcification.
77. Maser, R.E., Lenhard, M.J., & Pohlig, R.T. (2016). Vitamin D insufficiency and osteopontin in gestational diabetes mellitus.
78. Maser, R.E., Lenhard, M.J., & Pohlig, R.T. (2016). The association of clusterin and leptin in type 2 diabetes is dependent upon the degree of obesity.
79. Brewer-Smyth, K. & Pohlig, R. T. (2016, Sept.) *Females who commit violent crimes while under the influence of alcohol*. Paper presented at the Counsel for the Advancement of Nursing Science (CANS) State of the Science Congress; Washington D.C.
80. Shin, J. Y., Habermann, B. & Pohlig, R. T. (2016, Sept.). *Complementary and Alternative Medicine (CAM) use in people with Parkinson's disease*. Poster presented at The World Parkinson Congress, Portland, OR.
81. Shin, J.Y., Pohlig, R., & Habermann, B. (2016, Sept.). Motor and Non-Motor Symptoms of Parkinson's disease by Gender and Disease Duration. The 4th World Parkinson's Congress. September 20-23, 2016 at the Oregon Convention Center in Portland.
82. Meyers, A. C., Pohlig, R. T., Hopkins, J. (2016, June). *Positioning of elliptical chainrings during Wingate testing: a repeated measures case study*. Paper presented at Science & Cycling, Caen, France.
83. Kuczmarski, M.F., Pohlig, R. T, Kuczmarski, A.V., Zonderman, A. B., & Evans, M. K. (2016, April). *Dietary Protein Patterns are Associated with Sarcopenia in Urban Socioeconomically Diverse African American and White Population*. Poster accepted for presentation at the Scientific Session and Annual Meeting for the American Society for Nutrition, San Diego, CA.

84. Mackenzie M., Fanning J., Roberts S., Crato I., Pohlig R. T., & McAuley, E. (2016). *Sedentary activity, mind wandering and affect regulation: an ecological momentary assessment*. *Annals of Behavioral Medicine*, 50 (Supplement), S146.
85. Coyle, P. McIntire R, Pohlig R. T., Hicks, G.E. (2016, February). *The mediating role of depressive symptoms in the relationship between chronic pain and sedentary behavior in older adults: A secondary analysis of the Southeastern Pennsylvania Household Health Survey 2012*. Paper presentation at Combined Sections Meeting for the American Physical Therapy Association, Anaheim, CA.
86. Meyers, A.C., Caldwell, E.C., Hirsch, J., Eltoukhy, M., Jacobs, K.A., Pohlig, R.T., Signorile, J. (2015). Bicycle Shoe Insoles and Their Effect on Lateral Knee Movement, Leg Muscle Activation Patterns, and Performance in Experienced Cyclists. *Journal of Science and Cycling; Proceedings of Science and Cycling; World Congress of Cycling Science*, 4(2) 3-4.
87. Caldwell, E., Meyers, A.C., Hirsch, J., Eltoukhy, M., Pohlig, R.T., Signorile, J.F. (2015). *Orthotic Insoles Show No Acute Effects On Knee Kinematics During Pedaling In Experienced Cyclists*. *Medicine and Science in Sports and Exercise*, 47(5S).
88. Hirsch, J., Meyers, A.C., Caldwell, E., Eltoukhy, M., Pohlig, R.T., Signorile, J.F. (2015). *Effects of Arch Support on Leg Muscle Electromyography and Performance in Experienced Cyclists*. *Medicine and Science in Sports and Exercise*, 47(5S).
89. Maser, R. E., Lenhard, M.J., & Pohlig, R.T. (2015). *Osteopontin: a potential determinant of cardiovascular autonomic nerve function in type 2 diabetes*. *Diabetes* 2015;64(suppl 1)A:164.
90. Wright, R. S., Kuczmarski, M., Waldstein, S. R., Pohlig, R. T., Evans, M. K., Zonderman, A.B. (2015). *Poverty status moderates relations of diet quality to cognitive performance among African American and White urban dwelling adults*. *The Gerontologist* 55 (Suppl 2) 346.
91. Saylor, J., Herge, E. A., Wrainright, S., & Pohlig, R. T. (2015, November). *Using the Delphi Technique to Develop a Peer-Review Debriefing Instrument for Simulation Healthcare Education*. Paper presented at Sigma Theta Tau International, Biennial Convention, Las Vegas, NV.
92. Papas, M. A., McDuffie, M. J., Gifford, K., Mazade, N., Tulsy, D. , Pohlig, R. T., Botticello, A., Gallucci, G. (2015, November). *Premature Mortality Among Delaware Public Mental Health Clients Enrolled In Medicaid*. Poster presented American Public Health Association Annual Meeting, Chicago, IL.
93. Brewer-Smyth, K. & Pohlig, R. T. (2015, October) *Decreasing incarceration of female victims of child abuse*. Paper presented at the Academy of Nursing's Transforming Health, Driving Policy Conference, Washington, D.C.
94. Brewer-Smyth, K. & Pohlig, R. T. (2015, October) *Outcomes of children of incarcerated adult family members*. Council for the Advancement of Nursing Science Special Topics Conference: Emerging Areas of Family Health Research Across the Lifespan, Washington, DC.

95. Meyers, A. C., Caldwell, E., Hirsch, J., Jun, H. P., Eltoukhy, M., Pohlrig, R. T., Signorile, J. F. (2015). *Effects of Arch Support on Leg Muscle Electromyography and Performance In Experienced Cyclists*. Paper presented at Science & Cycling, Utrecht, Netherlands.
96. Meyers, A. C., Caldwell, E. C., Hirsch, J., Eltoukhy, M., Jacobs, K. A., Pohlrig, R. T., Signorile, J. (2015, July). *Bicycle Shoe Insoles and Their Effect on Lateral Knee Movement, Leg Muscle Activation Patterns, and Performance in Experienced Cyclists*. Paper presented at Science & Cycling, Utrecht, Netherlands.
97. Golden, D. K., Liang, L.-Y., Pohlrig, R. T., & Getchell, N. (2015, June). *Effects of active video gaming on executive function in children with and without autism spectrum disorder*. Poster presented at North American Society for the Psychology of Sport and Physical Activity Conference, Portland, OR.
98. McKelvy, C. Ibrahim, J. K. & Pohlrig, R. T. (2015, March). *Injury Prevention Through Policy: Adoption of Firearm Laws in the United States*. Poster presented at the Annual Conference for the Society for Advancement of Violence and Injury Research, New Orleans, LA.
99. McKelvy, C. Ibrahim, J. K. & Pohlrig, R. T. (2015, March). *Adoption of stand your ground laws*. Paper presentation at the Biannual National Injury & Violence Prevention Research Conference, New Orleans, LA.
100. Papas, M. A., McDuffie, M. J., Gifford, K., Mazade, N., Tulsy, D. , Pohlrig, R. T., Botticello, A., Gallucci, G. (2015, Feb). *Premature Mortality Among Delaware Public Mental Health Clients Enrolled In Medicaid*. Poster presented DE-CTR ACCEL Annual Meeting.
101. French, M. A., Moore, M. F., Pohlrig, R. T., & Reisman, D. (2015, Feb). *Self-efficacy mediates the relationship between balance/walking performance, activity, and participation after stroke*. Paper presentation at Combined Sections Meeting for the American Physical Therapy Association, Indianapolis, IN.
102. Palmer, J. A., Needle, A. R., Pohlrig, R. T. & Binder-Macleod, S. A. (2015, Feb). *Atypical cortical drive during activation of the paretic and nonparetic tibialis anterior are related to gait deficits in chronic stroke*. Paper presentation at Combined Sections Meeting for the American Physical Therapy Association, Indianapolis, IN.
103. Jensen, J. E., Oliver, J., Nace, J. E. & Pohlrig, R. T. (2014, November). *Decreasing Length of Stay in Emergency Department Observation Units: One Unit's Experience and Challenge*. Poster presentation at the Christiana Care Annual Nursing Research Conference, Newark, DE.
104. Shin, J. Y., Sims, R. C, Bradley, D. L., Pohlrig, R. T. & Harrison, B. E. (2014, July). *Prevalence of depressive symptoms and associated factors in older adult residents of public housing*. Paper presentation at the Gerontological Advanced Practice Nurses Association Annual Conference, Orlando, FL.
105. Awad, L. N., Binder-MacLeod, S. A., Pohlrig, R. T., Reisman, D. S. (2014, June). *Paretic propulsion and trailing limb angle are key determinants of long-distance walking function after stroke*. Paper

- presentation at Annual Conference for the Gait and Clinical Movement Analysis Society, Newark, DE.
106. Pretzer-Aboff, I., Pohlig, R. T. & Winfree, K. N. (2014, June). *Development of a baseline set of healthy subject walking gait measures using the PDShoe device*. Poster presentation at Annual Meeting for the Gait and Clinical Movement Analysis Society, Newark, DE.
107. Pretzer-Aboff, I., Pohlig, R. T. Gaynor, B. Norton, M., & Winfree, K. N. (2014, June). *Utility of the sensole for evaluation of gait in people with Parkinson's Disease in the community Setting*. Paper presentation at Annual Meeting for the Gait and Clinical Movement Analysis Society, Newark, DE.
108. Awad, L. N., Palmer, J. A., Binder-MacLeod, S. A., Pohlig, R. T., & Reisman, D. S. (2014, April). *Walking speed and step length asymmetry modify walking economy after stroke*. Paper presented at the Center for Biomechanical Engineering Research's Annual Biomechanics Research Symposium, Newark, DE.
109. Danks, K., Wright, T., Roos, M. Pohlig, R. T., Matthews, E, Farquhar, W., Binder-Macleod, S., & Reisman, D. (2014, January). *The Relationship between the energy cost of transport and walking activity in individuals post stroke*. Paper presented at Combined Sections Meeting of the American Physical Therapy Association, Las Vegas, NV.
110. Braxter, B. J, Cha, E.S., Fishcl, A.F.R., Pohlig, R & Kennard, K.H. (2011, July). *Body Mass Index, Sexual Behavior, and Smoking among Woman: An Analysis Using the NHANES 2007-2008 Data Set*. The National Black Nurses Association Conference, Indianapolis, IN.
111. Cha, E. S., Braxter, B. J., Fischl, A. F. R., Pohlig, R. T., Kim, K. H., Dunbar, S. B. (2011). Population prevalence of young adults with increased risk for type 2 diabetes. *Diabetes*, 60 (Suppl 1): 1287-P, A353.
112. Fischl A. F. R., Braxter B, Cha E. S., Pohlig R. (2011). Are we missing the Lean? *Diabetes*, 60 (Suppl 1): 2366-PO, A629.
113. Kinzler, D. M., Pohlig, R. T., Sherwood, P. R., Steel, J., Moser A. J., Brand, R., Zeh, H. J., & Rosenzweig, M. Q. (2010, April). *Immune parameters and symptom burden in patients with newly diagnosed pancreatic cancer*. School of Nursing, University of Pittsburgh. Presented at Nursing Capstone Defense, Pittsburgh, PA.
114. Pohlig, R. T. & Kim, K. H. (2010, May). *A comparison of methods to estimate latent interaction effects*. Poster presented at the annual meeting of the Association for Psychological Science, Washington, DC.
115. Kolivoski, K., Shook, J. J., Goodkind, S., Kim, K. H., Herring, D., Pohlig, R. T., & Schelbe, L. (2010, January). *Youth Transitioning out of child welfare and into adulthood: Experiences, choices, and outcomes*. Paper presented as part of four-presentation symposium at the Annual Conference of Society of Social Work and Research, San Francisco, CA.

116. Shook, J. J., Goodkind, S., Kim, K. H., Herring, D., Pohlig, R. T., & Kolivoski, K. (2010, January). *Predicting juvenile and criminal justice involvement among child welfare-involved youth*. Paper presented at the Annual Conference of Society of Social Work and Research, San Francisco, CA.
117. Kinzler, D., Pohlig, R.T., Sherwood, P, Steel, J., & Rosenzweig, M. (2009, October). *Biomarkers in pancreatic cancer: Implications for practice*. Poster session presented at Pennsylvania Coalition of Nurse Practitioners 7th Annual Conference, Erie, PA.
118. Shook, Jeffrey J., Sara Goodkind, Kevin Kim, David Herring, Ryan Pohlig, & Karen Kolivoski. (2009, July). *Aging out of the child welfare system in Allegheny County: Race, mental health, drug and alcohol, and justice system involvement*. Paper presented at the Center on Race and Social Problems Summer Institute on Race and Aging Out of Child Welfare, University of Pittsburgh, Pittsburgh, PA.
119. Shook, J. J., Goodkind S., Kim, K. H., Herring, D., Pohlig, R. T., & Kolivoski, K. (2009, March). *Profiles of system involvement among youth aging out of the child welfare system in Allegheny County*. Paper presented for Allegheny County Department of Human Services.
120. Kannan, P. Pohlig, R. T., & Kim, K. H. (2008, May). *Examining the robustness of analysis of variance against the violation of normality: a comparison of the power and analysis of variance to the non-parametric bootstrapping technique*. Poster presented at the annual meeting of the Association for Psychological Science, Chicago, IL.
121. Pohlig, R. T., Kannan, P., & Kim, K. H. (2008, May). *A comparison of power and rejection rates of analysis of variance and robust analysis of variance when outliers are present*. Poster presented at the annual meeting of the Association for Psychological Science, Chicago, IL.

Text Book Chapters

Sharma, P. N., Pohlig, R. T., Kim, K. H. (2018). Model Misspecifications and Bootstrap Parameter Recovery in PLS-SEM and CBSEM based Exploratory Modeling. In Latan, H. & Noonan, R, (Eds). *Partial Least Squares Path Modeling- Basic Concepts, Methodological Issues and Applications*. https://link.springer.com/chapter/10.1007/978-3-319-64069-3_13

Technical Reports

1. Pohlig, R. T. (2022). *Post-Stroke Walking Speed and Community Ambulation Conversion, A Pivotal Study*. Report provided to MedRhythms Inc.
2. Pohlig, R. T. (2020). *Interim Report for MedRhythm*. Report provided to MedRhythms Inc.
3. Pohlig, R. T. (2019). *Post-stroke walking speed and community ambulation conversion, a pivotal study clinical protocol*. Statistical analysis plan provided to MedRhythms Inc

4. Zhang, M. & Pohlig, R. T. (2015). *A Comparison of Self-Efficacy and Interactions for Nursing Students Simulating Blood Draws Using the SimUStick and Mannequin*. Report provided for SimUStick group, University of Delaware.
5. Pohlig, R. T. (2015). *Performance Evaluation of an In-Eye Use Contact lens Product: Comparing Rohto Test Product with Clear Eyes Contact Lens Relief*. Report submitted to Research Across America.
6. Tulskey, D., Kisala, P., Carle, A., Pohlig, R. T., & Kalpakjian, C. (2015). *Using the SCI-QOL Anxiety Item Bank and GAD-7 in the National SCIMS Data Base*. Technical report prepared for dissemination to the Project Directors at the December Spinal Cord Injury Model Systems meeting.
7. Tulskey, D., Kisala, P., Carle, A., Pohlig, R. T., & Kalpakjian, C. (2014). *Using the SCI-QOL Depression Item Bank in the National SCIMS Data Base*. Technical report prepared for dissemination to the Project Directors at the December Spinal Cord Injury Model Systems meeting.
8. Peterson, P. M., Pohlig, R. T., Tudose, A., & Zhong, S. (2014). *DellaWell: State employee health and wellness benefits survey*. Technical report prepared for Office of Management and Budget, Statewide Benefits Office, State of Delaware.
9. Baine, Z. & Pohlig, R. T. (2014). *Tracheostomy care technical report: A Comparison of positive behaviors and self-efficacy for students practicing using a mannequin and the TOS Device*. Report provided for TOS group, First Step Program, University of Delaware.
10. Pohlig, R. T. (2012). *A comparison of treatments using Regenovex, Regenovex with Loading Dose, Glucosamine-Chondroitin and a placebo for knee pain*. Report submitted to Research Across America.
11. Goodkind, S., Shook, J. J., Grammich, C. A., Kim, K. H., Pohlig, R. T., Herring, D., Schelbe, L., & Kolivoski, K. (2012). *Aging out of the child welfare system in Allegheny County: Descriptive Analysis, Challenges, and Implications*. Report submitted to the Allegheny County Department of Human Services.
12. Shook, J. J., Goodkind, S., Pohlig, R. T., Herring, D., & Kim, K. H. (2010). *Variations in other system involvement among youth aging out of the child welfare system in Allegheny County*. Report submitted to the Allegheny County Department of Human Services.
13. Shook, J. J., Goodkind, S., Herring, D., Pohlig, R. T., Kim, K. H., & Kolivoski, K. (2010). *Profiles of youth aging out of the child welfare system in Allegheny County*. Report submitted to the Allegheny County Department of Human Services.
14. Eichelberger, T., Bean, R. M., Tucker, R., Colella, C., & Pohlig, R. T. (2007) *Evaluation of four extra mile Catholic elementary schools of the Pittsburgh diocese*. Report submitted to the Extra Mile foundation in Pittsburgh, PA.

Dissertation

Pohlig, R.T. (2012). Comparing Latent Interaction Effects in Multi-Sample Structural Equation Modeling: Quasi-Maximum Likelihood versus Third Moment Methods. Doctoral Dissertation, University of Pittsburgh. <http://d-scholarship.pitt.edu/16938/>

Awards

- 2021 Best Poster Award for Clinical Research, Academy of Neurologic Physical Therapy- Stroke Special Interest Group, Combined Sections Meeting
- 2017 J. Warren Perry Award (Best Article) for the Journal of Allied Health for 'Development of Instrument to Assess the Clinical Effectiveness of the Debriefers in Simulation Education'
- 2016 Golden Synapse Award (Best Article) for the Journal of Neurologic Physical Therapy for 'Relationship Between Walking Capacity, Biopsychosocial Factors, Self-efficacy, and Walking Activity in Persons Poststroke'

Graduate Committee Member

Alfayyadh, M. (2022). Implications of medial and lateral co-contractions of knee muscle pairs on cartilage health after anterior cruciate ligament reconstruction. [Proposed not Defended]

Strickland, C. (2022). A review of covid-19 associated mortality in the city of Philadelphia over the first year of the pandemic. Doctoral Dissertation, University of Delaware.

Miller, A. (2022). Real-world walking activity in individuals with chronic stroke.

Hanlon, S. (2022). Achilles tendinopathy: Using the tendon health model to classify patient subgroups for improved outcomes across the lifespan. Doctoral Dissertation, University of Delaware.

Arhos, E. (2022). Posttraumatic osteoarthritis after ACL rupture: Identifying clinical targets for rehabilitation. Doctoral Dissertation, University of Delaware

Alghamdi, N. (2022). Insertional Achilles tendinopathy: The role of structural factors on symptoms, disability, and outcomes. Doctoral Dissertation, University of Delaware.

Beisheim, E. (2021). Clinical identification of somatosensory impairments in persistent post-amputation pain. Doctoral Dissertation, University of Delaware.

Galgiani, J. (2019). Effect of Pain on Motor Learning. Doctoral Dissertation, University of Delaware.

Pigman, J. (2019). Fall-Recovery Training Applied to Individuals with Chronic Stroke. Doctoral Dissertation, University of Delaware.

Gerassimakis, C. (2017). The Impact of Dietary Omega-3 Fatty Acids and the Omega-6/Omega 3 Ratio On Cognitive Decline in Middle-Aged Urban Adults Master's Thesis, University of Delaware.

Coyle, P. (2017). Chronic Pain and Disability in Older Adults: Investigating the Roles of Energy Expenditure and Physical Activity. Doctoral Dissertation, University of Delaware.

Allen, V. (2016). Cardiovascular Health Status in Older Adults with Low Back Pain. Doctoral Dissertation, University of Delaware.

Adams, E. (2015). The association between health literacy and diet quality in an urban population of socioeconomically diverse African American and White adults. Master's Thesis, University of Delaware.

Myers, A. C. (2014). Bicycle shoe insoles and their effect on lateral knee movement, leg muscle activation patterns, and performance in experienced cyclists. Doctoral Dissertation, University of Miami.

Invited Presentations & Seminars

Psychology Alumni Panel
Held Nov. 14, 2022
Psychology Department, University of Scranton

Statistical and Power Sections for Grants
Given Oct 5, 2022
EPID 964: Grant Writing, University of Delaware

Ethical Statistics and p-Values
Given Jan 29, 2021
Tendon Lab, University of Delaware

Statistical and Power Sections for Grants
Given Apr 14, 2021
EPID 964: Grant Writing, University of Delaware

Ethics in Statistics
Given October 2, 2020
APHY Seminar
KAAP, University of Delaware

Missing Data & Causality
Given September 30, 2020
BIOMS Seminar
Biomechanics and Movement Sciences, University of Delaware

Mixture & Growth Mixture Modeling
Given August 6, 2020
Tech Talk for the Clinical Research Design, Epidemiology, and Biostatistics core of the DE-CTR ACCEL program

Biostatistics at the University of Delaware: Resources and Consulting
Given July 22, 2020
Chemistry-Biology Interface Summer Series, Chemistry and Biochemistry, College of Arts and Sciences, University of Delaware

Analyses in Reproducible Research: An Example with Logistic Regression
Given April 18, 2017 (Reproducible Research Series, part 3)
Biostatistics Core Facility, College of Health Sciences, University of Delaware

Biostatistics in Health Sciences
Given February 7, 2017
DPN/PhD Brown Bag Series
Nemours-AIDCH

Statistics in Research

Given September 30, 2016
2016 Direct Care Nursing Evidenced Based Fellowship
Nemours-AIDCH

Introduction to Statistical Inference
Given February 18, 2016 with Mia Papas
Resident Research Training Program
Value Institute Academy

Introduction to SPSS workshop
Given Aug 8, 2015 with Tom Ilvento (Joint Series, part 2)
Introduction to Statistical Software workshops jointly sponsored by the StatLab, College of Agriculture & Natural Resources, and Biostatistics Core Facility, College of Health Sciences, University of Delaware

Introduction to JMP workshop
Given Aug 1, 2015 with Tom Ilvento (Joint Series, part 1)
Introduction to Statistical Software workshops jointly sponsored by the StatLab, College of Agriculture & Natural Resources, and Biostatistics Core Facility, College of Health Sciences, University of Delaware

Partial Least Squares Structural Equation Modeling
Given March 6, 2015 with Pratyush Sharma (Joint Series, part 2)
Innovative Discoveries Series by the Clinical Research Design, Epidemiology, and Biostatistics core of the DE-CTR ACCEL program
Christiana Hospital

Introduction to Structural Equation Modeling
Given Feb 27, 2015 with Pratyush Sharma (Joint Series, part 1)
Innovative Discoveries Series by the Clinical Research Design, Epidemiology, and Biostatistics core of the DE-CTR ACCEL program
Christiana Hospital

Introduction to SPSS workshop
Given Nov 20, 2014 with Tom Ilvento (Joint Series, part 2)
Introduction to Statistical Software workshops jointly sponsored by the StatLab, College of Agriculture & Natural Resources, and Biostatistics Core Facility, College of Health Sciences, University of Delaware

Introduction to JMP workshop
Given Nov 13, 2014 with Tom Ilvento (Joint Series, part 1)
Introduction to Statistical Software workshops jointly sponsored by the StatLab, College of Agriculture & Natural Resources, and Biostatistics Core Facility, College of Health Sciences, University of Delaware

Outliers & Missing Data
Given Oct. 24, 2014,
Graduate Physiology Seminar, Department of Kinesiology and Applied Physiology, College of Health Sciences, the University of Delaware

p-values in Practice
Given October 10, 2014
StatLab Seminar, Department of Applied Economics and Statistics, College of Agriculture & Natural Resources, the University of Delaware

p-values in Modern Biomedical Research
Given September 19, 2014

DE-CTR ACCEL Epi-Biostat Seminar Series
Christiana Hospital

p-values' Role in Modern Social Science Research
Given April 4, 2014,
Alumni invited Presentation for Department of Psychology, College of Arts & Sciences, the University
of Scranton

Consulting a statistician for a research study
Given February 17, 2014
Nursing Research Forum, School of Nursing, University of Delaware

Applications of Research Methodology and Statistics in the Social and Health Sciences
Given September 14, 2012
Alumni invited Presentation for Department of Psychology, College of Arts & Sciences, the University
of Scranton

Service

Grant Reviews

- 2019- INBRE Core Center Access Awards grant reviewer
- 2016 UK Medical Research Council, the Malaysian Academy of Science, & Newton-Ungku Omar Fund: Joint Health Research Non-Communicable Diseases grant reviewer
- 2014-15 De-CTR ACCEL: Big Data Pilot grant reviewer

University Committees

- 2015- Medicaid Research Coordinating Committee
- 2021-2022 *Ad Hoc* CT Caucus Research Committee
- 2020-2021 Clinical Trials Taskforce, Data Coordination Subcommittee
- 2021- Search Committee Associate Dean of Research for College of Health Sciences

DSMBs

- 2021- Evaluation of an eHealth Self-Management System to Reduce Depression and Anxiety in Older Adults During and After the COVID-19 Pandemic (PI: Tulsky)
- 2020- Intervening with Opioid-Dependent Mothers Living in Poverty: Effects on Mother's and Infants' Behavioral and Biological Regulation (PI: Dozier)

Classes Taught

University of Delaware

- EPID 614: Biostatistics III: General Linear Models
- PHYT 866/BMSC 866: Application and Interpretation of Mixture Modeling
- STAT 656, Biostatistics

NURS 667, Seminar: Graduate Statistics

West Chester University

ECON 251, Quantitative Business Analysis I

ECON 252, Quantitative Business Analysis II

University of Pittsburgh

PSYED 2018, Statistics I

Affiliations & Professional Memberships

American Statistical Association

American Psychological Association

Psi Chi