

Zachary K. Winkelmann PhD, SCAT, ATC

Clinical Assistant Professor · Clinical Education Coordinator

Department of Exercise Science · Arnold School of Public Health · University of South Carolina

CONTACT INFORMATION

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EDUCATION

Indiana State University, Terre Haute, IN
PhD, Curriculum and Instruction May 2019
Athletic Training Education Concentration
Dissertation: Impressions of Telemedicine in Athletic Training Education
Advisors: Dr. Lindsey Eberman and Dr. Susan Powers

Thomas Jefferson University, Philadelphia, PA
Certificate Program, Telehealth Facilitator July 2017
American Telemedicine Association Accredited Training Program

Indiana State University, Terre Haute, IN
MS, Athletic Training May 2015
CAATE Accredited Post-Professional Program
Thesis: Role of Deep Oscillation Therapy in the Treatment of Acute Lateral Ankle Sprains
Advisor: Dr. Carolina Valencia

Texas Lutheran University, Seguin, TX
BS, Athletic Training May 2013
CAATE Accredited Professional Program
Cum Laude, Student Government Association President
Capstone: Spinal Cord Stimulation Treatment for Complex Regional Pain Syndrome: A Case Stud
Advisor: Brian Coulombe

Edinburgh Napier University, Edinburgh, Scotland
Study Abroad, Exercise Science and Human Physiology January - May 2011

FACULTY AND ADMINISTRATIVE POSITIONS

University of South Carolina, Columbia, SC
Clinical Education Coordinator, Post-Professional Athletic Training Program October 2019 – Present
Clinical Assistant Professor, Athletic Training Programs August 2019 – Present

Rocky Mountain University of Health Professions, Provo, UT
Adjunct Research Fellow June 2022 – Present

Indiana State University, Terre Haute, IN
Affiliate Faculty, Doctorate in Athletic Training Program July 2019 – Present
Doctoral Teaching and Research Fellow, Athletic Training Programs August 2015 – May 2019

Grand View University, Des Moines, IA
Adjunct Instructor, Athletic Training Program August - December 2018

TEACHING EXPERIENCE

University of South Carolina – Graduate Studies, Post-Professional (MS) Athletic Training Program

ATEP 741 – Advanced Clinical Skills in Athletic Training: Spring 2022, Fall 2020, Spring 2020

ATEP 735 – Contemporary Issues in Athletic Training: Spring 2022, Spring 2021

ATEP 739 – Athletic Training Clinical Practicum II: Summer 2022, Summer 2021, Summer 2020

University of South Carolina – Graduate Studies, Professional Athletic Training Program

ATEP 730 – Behavioral Health and Wellness: Fall 2021, Fall 2020, Fall 2019

ATEP 741 – Advanced Clinical Skills in Athletic Training: Fall 2021, Fall 2020

ATEP 797 – Clinical Pathology and Pharmacology in Athletic Training: Spring 2022, Spring 2021, Spring 2020

ATEP 702L – Principles of Athletic Training Lab: Summer 2022, Summer 2021

University of South Carolina – Undergraduate Studies, SC Honors College

SCHC 476 – Medical and Healthcare Simulation – Spring 2022

- Designed special topics course

University of South Carolina – Undergraduate Studies, Professional Athletic Training Program

ATEP 365 – Pharmacology and Drug Education in Athletic Trainers: Fall 2019

EXSC 499 – General Medical Concerns for Athletic Trainers: Spring 2020

Indiana State University – Graduate Studies, Post-Professional (DAT) Athletic Training Program

ATTR 726 – Administration in Health Care: Spring 2019

ATTR 756 – Clinical Experience in Athletic Training II: Spring 2019

ATTR 872 – Innovations in Collaborative Health Care - Telemedicine: Summer 2020, Summer 2019

Grand View University – Graduate Studies, Professional Athletic Training Program

ATGR 536 – Organization and Administration in Athletic Training: Fall 2018

- Distance course during clinical immersion

Indiana State University – Graduate Studies, Professional Athletic Training Program

ATTR 612L – Care and Prevention of Athletic Injuries and Illnesses Lab: Summer 2017

ATTR 613L – Functional Movement Lab: Fall 2017

ATTR 665L – Diagnosis and Immediate Care of the Upper Extremity Lab: Fall 2017

Indiana State University – Undergraduate Studies, Professional Athletic Training Program

ATTR 354 – Preseason Athletic Training Internship: Summer 2017, Summer 2016

- Distance course during clinical immersion

ATTR 425 – Organization and Administration of the Healthcare Delivery System: Fall 2018, Fall 2017, Fall 2016

Indiana State University – Undergraduate Studies, Pre-Professional Applied Medicine Program

ATTR 210 – Human Anatomy Lecture for Allied Health Profession: Fall 2016, Spring 2016

- Redesigned anatomy curriculum and instructional delivery for lab and lecture in 2016

ATTR 210L – Human Anatomy Laboratory for Allied Health Professions: Spring 2019, Fall 2018, Spring 2017, Spring 2016, Fall 2015

ATTR 225 – Medical Terminology for Allied Health Professions: Fall 2015

- Redesigned course curriculum in Spring 2016

SCHOLARSHIP

Underlined names are students that I mentored

Peer-Reviewed Original Research Publications

1. Eberman LE, **Winkelmann ZK**, Crossway AK, Lopez RM, Nye EA, Rogers SM, Walen DE, Olewinski LH. Sports Medicine Physicians Comfort and Competence in Caring for Transgender and Gender Nonconforming Patients and Athletes. (Accepted, *Clinical Journal of Sports Medicine*)
2. Edler Nye JR, Viesselman C, Eberman LE, **Winkelmann ZK**. Student Selection of Preceptors for Immersive Clinical Education Experiences. (Accepted, *Athletic Training Education Journal*)
3. Eberman LE, Neil ER, Granger KC, **Winkelmann ZK**. Long-Term Impact of Large-Scale Simulation Curation and Participation. (Accepted, *Athletic Training Education Journal*)
4. Delgado DJ, Drescher MJ, Young JP, **Winkelmann ZK**, Rivera MJ. Risk Factors of Medial Tibial Stress Syndrome in Active Adolescents: A Validation Case Series. (Accepted, *Clinical Practice in Athletic Training*)
5. Young RD, Neil ER, Eberman LE, Armstrong TA, **Winkelmann ZK**. Experiences of Current NCAA Division 1 Collegiate Student-Athletes with Mental Health Resources. (Accepted, *Journal of Athletic Training*)
6. Loveless AM, Games KE, Shea ME, Thews KN, **Winkelmann ZK**. Experiences of Athletic Trainers in Tactical Athlete Settings When Managing Mental Health Conditions. (Accepted, *Journal of Athletic Training*)
7. Schulman EH, Eberman LE, Crossway AK, Nye EA, Uriegas NA, Connell SA, **Winkelmann ZK**. Integration of an Inclusive Healthcare Curriculum for Sexual Health and Gender Minorities. (Accepted, *Athletic Training Education Journal*)
8. **Winkelmann ZK**, Downs KC, Charles-Liscombe R, Eberman LE. Continuing Professional Development using Infographics Improves the Familiarity of the Social Determinants of Health. (Accepted, *Athletic Training Education Journal*)
9. **Winkelmann ZK**, Neil ER, Granger KC, Eberman LE. Perspectives of a Mental Health Emergency Standardized Patient Encounter: A Follow-Up Interview of Athletic Trainers. *Athletic Training Education Journal*. 2022;17(3):210-220.
10. **Winkelmann ZK**, Neil ER, Eberman LE. Integration and Outcomes of a Hybrid Simulation for Simple Laceration Suturing. *Athletic Training Education Journal*. 2022; 17(2):182-194.
11. Wilson CJ, Eberman LE, Redinger AS, Neil ER, **Winkelmann ZK**. Athletic Trainers' Viewpoints of Patient-Centered Care: Preliminary Findings. *PLoS one*. 2022;17(9):e0274577.
12. Roberts JM, Rivera MJ, **Winkelmann ZK**, Eberman LE. Health Literacy Levels of Collegiate Student-Athletes. *International Journal of Athletic Therapy and Training*. 2022;27(4):184-187.
13. Weber SR, **Winkelmann ZK**, Monsma EV, Arent SM, Torres-McGehee TM. The Effects of a 4-Week Heart Rate Variability Biofeedback Intervention on Psychological and Performance Variables in Student-Athletes: A Pilot Study. *Journal of Sports Medicine and Allied Health Sciences*. 2022;8(2):Article 4.
14. Niles TR, Rivera MJ, Torres-McGehee TM, Eberman LE, **Winkelmann ZK**. Digital and Musculoskeletal Health Literacy of Collegiate Student-Athletes. *Internet Journal of Allied Health Sciences and Practice*. 2022;20(2):Article 9.
15. Stanton BM, Rivera MJ, **Winkelmann ZK**, Eberman LE. Support Systems and Patient Care Delivery for Nonnative English-Speaking Patients: A Study of Secondary School Athletic Trainers. *Journal of Athletic Training*. 2022;57(2):148-157.
16. Rowe DC, **Winkelmann ZK**, Arent SM, Arent MA, Chandler AJ, Uriegas NA, Torres-McGehee TM. A Qualitative Report of the Perceptions of the COVID-19 Pandemic from Collegiate Student-Athletes. *AIMS Public Health*. 2022;9(2):357-377.
17. Neil ER, **Winkelmann ZK**, Eberman LE. Wound Closure Skills: Teaching Suturing in Athletic Training Education. *Athletic Training Education Journal*. 2021;16(4):287-299.
18. Uriegas NA, **Winkelmann ZK**, Pritchett K, Torres-McGehee TM. Examining Eating Attitudes and Behaviors in Collegiate Athletes, the Association Between Orthorexia Nervosa and Eating Disorders. *Frontiers in Nutrition*. 2021;8:763838.
19. Avey MC, Hand AF, Uriegas NA, Smith AB, **Winkelmann ZK**. Access to Care, Reporting Behaviors, and Quality of Athletic Training Service Interactions for Reserve Officers' Training Corps Cadets. *Journal of Sports Medicine and Allied Health Sciences*. 2021;7(2):Article 6.
20. Shaughnessy GT, Crossway AK, Eberman LE, Rogers SM, **Winkelmann ZK**. Program Directors' and Athletic Training Students' Educational Experiences Regarding Patient-Centered Care and Transgender Patient Care. *Athletic Training Education Journal*. 2021;16(3):219-234.

21. Chandler AJ, Arent MA, Cintineo HP, Torres-McGehee TM, **Winkelmann ZK**, Arent SM. The Impacts of COVID-19 on Collegiate Student-Athlete Training, Health, and Well-Being. *Translational Journal of the American College of Sports Medicine*. 2021;6(4):e000173.
22. Tripp BL, **Winkelmann ZK**, Eberman LE, Smith MK. Factors Effecting Incidence Rate of Exertional Heat Illnesses during Six Years of High School Football Practices in North Central Florida. *Orthopaedic Journal of Sports Medicine*. 2021; 9(9): 23259671211026627.
23. Connell S, **Winkelmann ZK**, Games KE. Athletic Trainers' Exposure to Telemedicine Influences Perspectives and Intention to Use. *Athletic Training and Sports Health Care*. 2021;13(4):193-201.
24. Monk AD, Knight MM, Games KE, **Winkelmann ZK**. Athletic Trainers' Experiences and Perceptions Regarding Telemedicine. *Athletic Training and Sports Health Care*. 2021;13(4):184-192.
25. White KA, **Winkelmann ZK**, Edler Nye JR, Eberman LE. Recruiting and Retaining Racially Minoritized Students into Professional Postbaccalaureate Athletic Training Programs. *Athletic Training Education Journal*. 2021; 16(2):120-131.
26. Redinger AK, **Winkelmann ZK**, Eberman LE. Collegiate Student-Athletes' Perceptions of Patient-Centered Care Delivered by Athletic Trainers. *Journal of Athletic Training*. 2021;56(5):499-507.
27. Potts KA, **Winkelmann ZK**, Eberman LE, Thews KN, Games KE. Perceived Barriers to Musculoskeletal Injury and Illness Reporting in the Fire Service. *Athletic Training and Sports Health Care*. 2021;13(2):75-84.
28. Eberman LE, **Winkelmann ZK**, Nye EA, Walen DR, Granger K, Walker SE. Providing Transgender Patient Care: Athletic Trainers' Compassion and Lack of Preparedness. *Journal of Athletic Training*. 2021;5(3):252-262.
29. Madden RM, **Winkelmann ZK**, Weber SR, Moore EM, Torres-McGehee TM. Examination of Anger Prevalence in NCAA Division 1 Student-Athletes. *Journal of Sports Medicine and Allied Health Sciences*. 2021;6(3):Article 1
30. Watts SL, **Winkelmann ZK**, Eberman LE, Games KE. The Promotion of Injury and Illness Prevention and Reporting in the Fire Service. *WORK: A Journal of Prevention, Assessment, and Rehabilitation*. 2021;68(2):437-447.
31. **Winkelmann ZK**, Games KE. Athletic Trainers' Job Tasks and Status During the COVID-19 Pandemic: A Preliminary Analysis. *Journal of Athletic Training*. 2021;56(1):20-30.
32. Stassin NS, Games KE, **Winkelmann ZK**. The Relationship between Fear Avoidance Beliefs and Low Back Pain in Firefighters. *Athletic Training and Sports Health Care*. 2021;13(1):18-24.
33. **Winkelmann ZK**, Games KE, Rivera MJ, Neil ER, Eberman LE. Athletic Trainers' Knowledge and Practice Application of Public Health Topics. *Athletic Training Education Journal*. 2020;15(4):308-320.
34. Eberman LE, **Winkelmann ZK**, Edler JR, Neil ER. Athletic Trainers' Knowledge Regarding Health Care Delivery Systems and Administration in the American Health Care System. *Athletic Training Education Journal*. 2020;15(4):295-307.
35. Walen DR, Nye EA, Rogers SM, Crossway AK, **Winkelmann ZK**, Walker SE, Eberman LE. Athletic Trainers' Competence, Education, and Perceptions on Transgender Student-Athlete Patient Care. *Journal of Athletic Training*. 2020;55(11):1142-1152.
36. Games KE, **Winkelmann ZK**, Eberman LE. Physical Exertion Diminishes Static and Dynamic Balance in Firefighters. *International Journal for Athletic Therapy and Training*. 2020;25(6):318-322.
37. Smith AB, Emerson DM, **Winkelmann ZK**, Potter D, Torres-McGehee TM. Prevalence of Eating Disorder Risk and Body Image Dissatisfaction among ROTC Cadets. *International Journal of Environmental Research and Public Health*. 2020;17(8137):1-13.
38. West JJ, **Winkelmann ZK**, Edler JR, Jackson BC, Eberman LE. Adolescent Perceptions of Injury and Pressures of Returning to Sport: A Retrospective Qualitative Analysis. *Journal of Sports Medicine and Allied Health Sciences*. 2020;6(2): Article 2.
39. **Winkelmann ZK**, Eberman LE, Games KE. Telemedicine Experiences of Athletic Trainers and Orthopedic Physicians for Patients with Musculoskeletal Conditions. *Journal of Athletic Training*. 2020;55(8):768-779.
40. Eiler RM, **Winkelmann ZK**, Games KE. Functional Balance Assessment of Firefighters during Mass-Screening Examinations. *Clinical Practice in Athletic Training*. 2020;3(2):45-49.
41. **Winkelmann ZK**, Neil ER, Games KE, Walker SE, Eberman LE. Simulation-Based Learning to Improve Athletic Trainers' Knowledge of Exertional Sudden Death Conditions: A Pilot Study. *Internet Journal of Allied Health Sciences and Practice*. 2020;18(3):Article 15.

42. Boddicker BD, **Winkelmann ZK**, Neil ER, Walker SE, Eberman LE. Athletic Trainers' Perceptions of Anxiety Before, During, and After a Standardized Patient Encounter. *Athletic Training Education Journal*. 2020;15(2):156-167. Winner of the 2020 ATEJ Outstanding Original Research Manuscript.
43. **Winkelmann ZK**, Eberman LE. The Confidence and Abilities to Assess a Simulated Patient Using Telemedicine. *Athletic Training Education Journal*. 2020;15(2):132-147.
44. **Winkelmann ZK**, Eberman LE. Athletic Training Students' Perspectives and Performance when Learning Online. *Athletic Training Education Journal*. 2020;15(2):120-131.
45. Cage SA, Warner BJ, Gallegos DM, **Winkelmann ZK**. Perceived and Actual Knowledge of Cupping Therapy Concepts among Athletic Training Preceptors in CAATE Accredited Programs. *Research & Investigations in Sports Medicine*. 2020;6(3): RISM.000638.
46. Cage SA, **Winkelman ZK**, Warner BJ, Gallegos DM. Athletic Trainers' Perceived and Actual Knowledge of Cupping Therapy Concepts. *Journal of Sports Medicine and Allied Health Sciences*. 2020;5(3): Article 6.
47. Zweigle KA, Mazerolle Singe SM, **Winkelmann ZK**, Neil ER, Spangler NJ, Eberman LE. The Workplace Experiences of Athletic Trainers in the Professional Sports Setting. *The Sport Journal*. 2020;21.
48. Games KE, **Winkelmann ZK**, McGinnis KD, McAdam JS, Pascoe DD, Sefton JEM. Functional Performance of Firefighters After Exposure to Environmental Conditions and Exercise. *Journal of Athletic Training*. 2020;55(1):7179.
49. Thews KN, **Winkelmann ZK**, Eberman LE, Potts KA, Games KE. Perceived Barriers to Reporting Mental and Behavioral Illnesses in the Fire Service. *International Journal of Athletic Therapy & Training*. 2020;25(1):31-36.
50. Graves WM, **Winkelmann ZK**, Games KE. Point-of-Care Assessment at a Free, Out-of-Hours Orthopedic Clinic. *Clinical Practice in Athletic Training*. 2019;2(3):16-21.
51. Peters HL, Neil ER, **Winkelmann ZK**, Eberman LE. The Admissions Criteria for Professional Athletic Training Programs: A 2018 Review of Post-Baccalaureate Degrees. *Journal of Sports Medicine and Allied Health Sciences*. 2019;5(2): Article 3
52. **Winkelmann ZK**, Shea ME, Granger K, Eberman LE, Games KE. Health Behaviors of Athletic Trainers. *Journal of Sports Medicine and Allied Health Sciences*. 2019;5(2): Article 2
53. Burton CA, **Winkelmann ZK**, Eberman LE. Advancing Clinical Education through Preceptor-Led Instructional Strategies. *Athletic Training Education Journal*. 2019;14(3):223-232.
54. **Winkelmann ZK**, Huggins RA, Eberman LE. Athletic Training Student and Student Aide Clinical Task Allowance in the Secondary School Setting. *Internet Journal of Allied Health Sciences and Practice*. 2019;17(3): Article 4.
55. Sims-Koenig KN, Walker SE, **Winkelmann ZK**, Bush JM, Eberman LE. Translation of Standardized Patient Encounter Performance and Reflection to Clinical Practice. *Athletic Training Education Journal*. 2019;14(2):117-127.
56. Bush JM, Walker SE, Sims-Koenig KN, **Winkelmann ZK**, Eberman LE. Postprofessional Learners' Reflections After a Standardized Patient Encounter and Debriefing Session. *Athletic Training Education Journal*. 2019;14(1):55-63.
57. Games KE, Csiernik AJ, **Winkelmann ZK**, True JR, Eberman LE. Personal Protective Ensembles' Effect on Dynamic Balance in Firefighters. *WORK: A Journal of Prevention, Assessment, and Rehabilitation*. 2019;62(3):507-514.
58. **Winkelmann ZK**, Rogers SM, Eberman LE, Games KE. The Effect of Structural Firefighter Protective Clothing Systems on Single-legged Functional Hop Test Scores. *WORK: A Journal of Prevention, Assessment, and Rehabilitation*. 2019;62(3):497-505.
59. Vogler JH, Eberman LE, **Winkelmann ZK**, Smith MS, Turner JL, Games KE. Physicians' Knowledge and Beliefs Regarding Athletic Trainers. *Journal of Sports Medicine and Allied Health Sciences*. 2019;4(3): Article 1
60. Christian ME, Koenig RC, **Winkelmann ZK**, Games KE. The Effects of Deep Oscillation Therapy for Individuals with Lower-Leg Pain. *Journal of Sports Medicine and Allied Health Sciences*. 2019;4(3): Article 3
61. Rogers SM, **Winkelmann ZK**, Eberman LE, Games KE. Triple Hop for Distance as a Predictor of Lower Extremity Performance in Firefighter Equipment. *International Journal of Exercise Science*. 2019;12(6):515-576.
62. **Winkelmann ZK**, Roberts EJ, Games KE. Acute Effects and Perceptions of Deep Oscillation Therapy for Improving Hamstring Flexibility. *Journal of Sport Rehabilitation*. 2018;27(6):570-576.

63. Guindon CC, **Winkelmann ZK**, Eberman LE, Games KE. Practice of and Barriers to Prevention by Secondary School Athletic Trainers. *Internet Journal of Allied Health Sciences and Practice*. 2018;16(4): Article 4.
64. Vallandingham RA, **Winkelmann ZK**, Eberman LE, Games KE. Rural Secondary School Athletic Trainers' Recognition and Management of Acute Lateral Ankle Sprains: A Retrospective Chart Review. *International Journal of Athletic Therapy & Training*, 2018;23(5):200-204.
65. **Winkelmann ZK**, Eberman LE, Edler JR, Livingston L, Games KE. Curation of a Simulation Experience by the Clinical Scholar: An Educational Technique in Post-Professional Athletic Training. *Athletic Training Education Journal*. 2018;13(2):185-193.
66. **Winkelmann ZK**, Neil ER, Eberman LE. Athletic Training Students' Knowledge of Ethical and Legal Practice in Technology and Social Media. *Athletic Training Education Journal*. 2018;13(1):4-11.
67. Neil ER, **Winkelmann ZK**, Eberman LE. Athletic Trainer's Knowledge of Legal Practice within Information Technology and Social Media. *Journal of Sports Medicine and Allied Health Sciences*. 2017;3(2): Article 1
68. **Winkelmann ZK**, Eberman LE. Characteristics of Secondary School Athletic Training: Salary, Job Satisfaction and Perceived Daily Practice. *Athletic Training and Sports Health Care*. 2017;9(3):124-132.
69. **Winkelmann ZK**, Games KE. Inguinal Disruption in an Elite Collegiate Basketball Player: A Case Report. *International Journal of Athletic Therapy & Training*. 2017;22(2):1-6.

Peer-Reviewed Editorials and Commentaries

1. Osborn MM, Meyer CM, **Winkelmann ZK**. Providing Athletic Training Resources to Deaf and Hard of Hearing Persons. (Accepted, *Clinical Practice in Athletic Training*)
2. O'Mara CM, Young JP, **Winkelmann ZK**. Financial Health Literacy and the Shared Decision-Making Process in Healthcare. *International Journal of Environmental Research and Public Health*. 2022;19(11):6510.

Peer-Reviewed Case Studies

1. Jones K, Dao K, **Winkelmann ZK**. A Disablement Model Case Study of University Football Participation with Hoffa's Fat Pad Syndrome. (Accepted, *Clinical Practice in Athletic Training*)
2. **Winkelmann ZK**, Games KE. Inguinal Disruption in an Elite Collegiate Basketball Player: A Case Report. *International Journal of Athletic Therapy & Training*. 2017;22(2):1-6.

Peer-Reviewed Short Reports, Magazine Articles, and Blogs

1. Young R, Young J, **Winkelmann ZK**. Expanding Clinical Practice to Include Integrative Medicine. *NATA News*. November 2022.
2. Graves WM, **Winkelmann ZK**. Setting Workplace Boundaries: How to Recognize, Prevent & Educate Others About Sexual Harassment, Abuse. *Sports Medicine Legal Digest*. December 2019.
3. Potts KA, **Winkelmann ZK**. Quality Assurance in Athletic Training Facilities: The Next Big Step? *NATA News*. October 2019.
4. Szabo A, **Winkelmann ZK**. Mandatory Reporting in Sports Medicine. *Journal of Medical Ethics Blog*. May 23, 2019.
5. Spangler N, **Winkelmann ZK**. Limits of Informed Consent in United States Secondary Schools. *Journal of Medical Ethics Blog*. May 22, 2019.
6. Morway SR, **Winkelmann ZK**, Games KE. The Management of Behavioral and Mental Health Outcomes Following a Traumatic Brain Injury. *British Journal of Sports Medicine Blog*. October 12, 2018.
7. Jackson A, **Winkelmann ZK**. Managing ADHD in Adolescent Athletes. *NATA News*. 2017. 29(2): 36-37.

Peer-Reviewed Evidence-to-Practice Reviews

1. Keller LJ, Mun S, Tompkins KJ, Bolno AL, **Winkelmann ZK**. Childhood Mental Health Outcomes Following Mild Traumatic Brain Injury: An Evidence-to-Practice Review. (Accepted, *Clinical Practice in Athletic Training*)
2. Hudgens-Wallace SB, Pierce KM, Whitesell MP, Uriegas NA, **Winkelmann ZK**. Strategies to Improve Healthcare Communication with Non-Native English Speakers: An Evidence to Practice Review. (Accepted, *Clinical Practice in Athletic Training*)
3. Duncan RA, Ryan SE, Watlington EM, Uriegas NA, **Winkelmann ZK**. The Influences of the Religious Tradition of Ramadan on Dietary Intake and Body Composition in Adolescent Athletes: An Evidence-to-Practice Review. (Accepted, *Clinical Practice in Athletic Training*)

4. Osborn MM, Williams VA, Smith AB, Winkelmann ZK. Interventions for the Mind, Body, and Spirit of NCAA Student-Athletes: An Evidence to Practice Review. (Accepted, *Clinical Practice in Athletic Training*)
5. Givens CL, Griffin GA, Johnson MD, Winkelmann ZK. The Validity and Reliability of Assessments Through Telemedicine: An Evidence-to-Practice Review. (Accepted, *Clinical Practice in Athletic Training*)
6. Glover SL, Loveless AM, Posson SA, Winkelmann ZK. Review of Diagnostic Accuracy of the Ottawa Knee Rules in Adult Acute Knee Injuries. (Accepted, *Clinical Practice in Athletic Training*)
7. Ferguson BA, Schulman EH, Zimmerman MA, Winkelmann ZK. Safety of Blood Flow Restriction Training for Post-Surgical ACL Rehabilitation: An Evidence-to-Practice Review. *Clinical Practice in Athletic Training*. 2022;5(2):11-17.
8. Ulshafer SP, Johnson SD, Schoell KN, Winkelmann ZK. Validity of selective tissue tests for knee pathologies: An evidence-to-practice review. *Clinical Practice in Athletic Training*. 2022;5(2):18-23.
9. Kehr LM, Rowe DC, Learn RM, Smith AB, Winkelmann ZK. Recommendation for Best Practices in the Management of Musculoskeletal Pain: An Evidence-to-Practice Review. *Clinical Practice in Athletic Training*. 2022;5(2):24-31.
10. Kingsley AM, Reyes AB, Winkelmann ZK. Casting and Splinting Options for Pseudo-Jones Avulsion Fractures: An Evidence-to-Practice Review. *Clinical Practice in Athletic Training*. 2022;5(1)53-57.
11. Sznajder KN, Arango DA, Winkelmann ZK. Comparison of the closed shoulder reduction techniques: An Evidence-to-Practice Review. *Clinical Practice in Athletic Training*. 2022;5(1)58-66.
12. Hollien AM, Avey MC, Winkelmann ZK. Clinical Implications of Telemedicine for Post-Surgical Care: An Evidence-to-Practice Review. *Clinical Practice in Athletic Training*. 2022;5(1)67-72.
13. Bolno AL, Hoover BG, Michels RJ, Smith AB, Winkelmann ZK. Rest and Therapeutic Interventions Following Sport-Related Concussion: An Evidence-to-Practice Review. *Clinical Practice in Athletic Training*. 2021;4(3):10-16.
14. Palm MJ, Flansch AN, Winkelmann ZK. Effectiveness of Take-Home Naloxone Programs in Athletic Training: An Evidence-to-Practice Review. *Clinical Practice in Athletic Training*. 2021;4(2):26-32.
15. Hauge MM, Downs KC, Winkelmann ZK. Community Opioid Overdose Prevention and Naloxone Distribution Programs: An Evidence-to-Practice Review. *Clinical Practice in Athletic Training*. 2021;4(2):33-39.
16. O'Mara CS, Ward MG, Winkelmann ZK. Opioid Medication Use and Education Following Sports Medicine Procedures: An Evidence-to-Practice Review. *Clinical Practice in Athletic Training*. 2021;4(2):40-44.
17. Niles TR, Rossi F, Winkelmann ZK. The Functional Movement Screen and Injury Risk in Sporting Populations: An Evidence-to-Practice Review. *Clinical Practice in Athletic Training*. 2021;4(2):52-57.
18. Orth NJ, Graham AD, Winkelmann ZK. Rater Reliability of the Functional Movement Screen: An Evidence-to-Practice Review. *Clinical Practice in Athletic Training*. 2021;4(2):58-62.
19. Simpson VJ, Winkelmann ZK. Implementing Cardiac Testing to Mitigate the Risk of Sudden Cardiac Death: An Evidence-to-Practice Review. *Clinical Practice in Athletic Training*. 2021;4(1):36-42.
20. Moore MG, Daley AR, Winkelmann ZK. An Evidence-to-Practice Review on the Efficacy of Instrument Assisted Soft Tissue Mobilization. *Clinical Practice in Athletic Training*. 2020;3(3):4-11.
21. O'Connell HE, deCamp BK, Winkelmann ZK. Diagnostic Accuracy of Imaging Techniques for Rotator Cuff Pathology: An Evidence-to-Practice Review. *Clinical Practice in Athletic Training*. 2020;3(3):12-17.
22. Panetta MS, Wilson CJ, Winkelmann ZK. The Value of Patient-Provider Interactions in Orthopedic Settings: An Evidence-to-Practice Review. *Clinical Practice in Athletic Training*. 2020;3(3):18-23.
23. Doades SJ, Winkelmann ZK. Facilitators and Barriers to Mobile Health (mHealth) Application Adoption. *Athletic Training and Sports Health Care*. 2019;11(6):253-255.
24. Hyland DE, Winkelmann ZK, Games KE. Evidence-Based Rehabilitation for Hip Arthroscopy. *Athletic Training and Sports Health Care*. 2019;11(3):103-104.
25. Burton CA, Winkelmann ZK, Games KE. Therapeutic Exercises for Gluteus Medius Activation. *Athletic Training and Sports Health Care*. 2018;10(5):195-197.
26. Neil ER, Winkelmann ZK, Edler JR. Defining the Term "Overuse": An Evidence-Based Review of Sports Epidemiology Literature. *Journal of Athletic Training*. 2018;53(3):279-281.
27. Winkelmann ZK, Crossway AK. Optimal Screening Methods to Detect Cardiac Disorders in Athletes: An Evidence-Based Review. *Journal of Athletic Training*. 2017;52(12):1168-1170.
28. Rivera MJ, Winkelmann ZK, Powden CJ, Games KE. Proprioceptive Training for the Prevention of Ankle Sprains: An Evidence-Based Review. *Journal of Athletic Training*. 2017;52(11):1065-1067.

29. Rogers SM, **Winkelmann ZK**, Eberman LE, Games KE. Gluteal Muscle Activity and Patellofemoral Pain. *Athletic Training and Sports Health Care*. 2017;9(1):8-10
30. **Winkelmann ZK**, Anderson D, Games KE, Eberman LE. Risk Factors of Medial Tibial Stress Syndrome in Active Individuals: An Evidence-Based Review. *Journal of Athletic Training*. 2016;51(12):1049-1052.
31. Toney CM, Games KE, **Winkelmann ZK**, Eberman LE. Using Tuning Fork Tests in Diagnosing Fractures. *Journal of Athletic Training*. 2016;51(6):498-499.

Non-Peer Reviewed Published Works

1. Rosen P. Bouncing Back from A World Without Sport. University of Southern California Journalism. Subject Matter Expert. Online Article. https://uscstoryspace.com/2020-2021/rosenp/Fall_Final/. April 2021.
2. **Winkelmann ZK**. Telehealth in Athletic Training. Pennsylvania Athletic Trainers' Society Podcast. Release date December 2020. <https://www.iheart.com/podcast/269-the-pats-podcast-77404475/episode/episode-13-telehealth-with-dr-winkelmann-78134000/>
3. Lee C. How Long It Really Takes To Get Out of Shape?. Subject Matter Expert. Article in the *Sunday Edit*. <https://edit.sundayriley.com/how-long-it-really-takes-to-get-out-of-shape>. September 2020.
4. **Winkelmann ZK**. Telemedicine in Athletic Training. The AT Tapes Podcast by the *Journal of Athletic Training*. Release date September 2020. <https://jatcast.podbean.com/e/the-at-tapes-telemedicine-in-athletic-training/>
5. **Winkelmann ZK**. A Patient-Centered Approach to Athletic Training Services. Invited Podcast on The Sports Medicine Broadcast. Release date February 2020 and offered as BOC CEU Course. <https://sportsmedicinebroadcast.com/patient-centered-approach-to-at-services/>.
6. Eberman LE, **Winkelmann ZK**, Games KG, Powden CJ. Indiana State University Post-Professional Doctorate in Athletic Training Program Self Study. *Commission on Accreditation of Athletic Training Education*. June 2019

Peer-Reviewed Presentation with Published Abstract

1. Griffin GA, Games KE, Gallegos DF, Kottak AL, **Winkelmann ZK**. Factors Affecting Adoption of Telemedicine in Athletic Training. *Journal of Athletic Training*. 2022;57(6S) Supplement:S-292. Poster Presentation at NATA 73rd Clinical Symposium and AT Expo. Philadelphia, PA. June 2022.
2. **Winkelmann ZK**, Scarneo-Miller SE, Griffin GA, Gallegos DF, Games KE. Applying the Transtheoretical Model for Change to the Adoption of Telemedicine by Athletic Trainers. *Journal of Athletic Training*. 2022;57(6S) Supplement:S-291. Poster Presentation at NATA 73rd Clinical Symposium and AT Expo. Philadelphia, PA. June 2022.
3. Patel SR, Games KE, Griffin GA, **Winkelmann ZK**. Access to Resources Necessary to Sustain Telehealth Use in Athletic Training Facilities. *Journal of Athletic Training*. 2022;57(6S) Supplement:S-289. Poster Presentation at NATA 73rd Clinical Symposium and AT Expo. Philadelphia, PA. June 2022.
4. Mills GA, Games KE, Drescher MJ, **Winkelmann ZK**. Perceptions of Behavioral Health Specialists at NCAA Power 5 Universities on Athletic Trainers' Roles in Managing Behavioral Health Conditions. *Journal of Athletic Training*. 2022;57(6S) Supplement:S-250. Poster Presentation at NATA 73rd Clinical Symposium and AT Expo. Philadelphia, PA. June 2022.
5. Young RD, Neil ER, Armstrong TA, Eberman LE, **Winkelmann ZK**. Experiences of Current Collegiate Student-Athletes with Mental Health and Mental Health Resources. *Journal of Athletic Training*. 2022;57(6S) Supplement:S-248. Poster Presentation at NATA 73rd Clinical Symposium and AT Expo. Philadelphia, PA. June 2022.
6. Kirby JL, Learn RM, Stover RM, Eberman LE, Neil ER, **Winkelmann ZK**. Attitudes and Barriers Towards Seeking Behavioral Health Services in Tandem from Collegiate Athletic Trainers and Student-Athletes. *Journal of Athletic Training*. 2022;57(6S) Supplement:S-246. Poster Presentation at NATA 73rd Clinical Symposium and AT Expo. Philadelphia, PA. June 2022.
7. Neil ER, **Winkelmann ZK**, Granger KC, Eberman LE. Longitudinal Impact of Mental Health Emergency Standardized Encounters. *Journal of Athletic Training*. 2022;57(6S) Supplement:S-198. Poster Presentation at NATA 73rd Clinical Symposium and AT Expo. Philadelphia, PA. June 2022.
8. Harvey BK, Drescher MJ, **Winkelmann ZK**, Eberman LE. Exploratory Study of Athletic Training Students' Confidence and Knowledge Regarding Suicide Prevention following Observation of Standardized Patients. *Journal of Athletic Training*. 2022;57(6S) Supplement:S-195. Poster Presentation at NATA 73rd Clinical Symposium and AT Expo. Philadelphia, PA. June 2022.

9. Schulman EH, Eberman LE, Nye EA, Crossway AK, Uriegas NA, **Winkelmann ZK**. Athletic Training Students' Attitudes and Skills following a Transgender Healthcare Curriculum. *Journal of Athletic Training*. 2022;57(6S) Supplement:S-190. Poster Presentation at NATA 73rd Clinical Symposium and AT Expo. Philadelphia, PA. June 2022.
10. Connell SA, Schulman EH, Eberman LE, Nye EA, Crossway AK, Uriegas NA, **Winkelmann ZK**. Knowledge, Attitudes, and Comfort with Sexual Health Following a Multi-Modal Educational Intervention. *Journal of Athletic Training*. 2022;57(6S) Supplement:S-141. Oral Presentation at NATA 73rd Clinical Symposium and AT Expo. Philadelphia, PA. June 2022.
11. Rowe DC, **Winkelmann ZK**, Arent SM, Arent MA, Chandler AJ, Uriegas NA, Torres-McGehee TM. A Qualitative Report of the Perceptions of the COVID-19 Pandemic from Collegiate Student-Athletes. *Journal of Athletic Training*. 2022;57(6S) Supplement:S-138. Oral Presentation at NATA 73rd Clinical Symposium and AT Expo. Philadelphia, PA. June 2022.
12. Delgado DJ, Drescher MJ, Young JP, **Winkelmann ZK**, Rivera MJ. Prospective Validation for Risk Factors of Medial Tibial Stress Syndrome in Active Individuals: A Type 1 Validation CASE Series. *Journal of Athletic Training*. 2022;57(6S) Supplement:S-80. Poster Presentation at NATA 73rd Clinical Symposium and AT Expo. Philadelphia, PA. June 2022.
13. Yeargin SW, Meyer CM, **Winkelmann ZK**, Scarneo-Miller SE, Bockwinkel B, Bolno AL, Johnson SD, Kingsley AM, Ulshafer SA, McCool CR, McCullough GA, Osborne B, Kucera KL. Prevalence of Legal Proceedings in Exertional/Indirect Causes of Sudden Death. *Journal of Athletic Training*. 2022;57(6S) Supplement:S-54. Oral Presentation at NATA 73rd Clinical Symposium and AT Expo. Philadelphia, PA. June 2022.
14. Meyer CM, Yeargin SW, **Winkelmann ZK**, Scarneo-Miller SE, Bockwinkel B, Bolno AL, Johnson SD, Kingsley AM, Ulshafer SA, McCool CR, McCullough GA, Osborne B, Kucera KL. Prevalence of Legal Proceedings following a Traumatic Injury Sudden Death in Athletes. *Journal of Athletic Training*. 2022;57(6S) Supplement:S-53. Oral Presentation at NATA 73rd Clinical Symposium and AT Expo. Philadelphia, PA. June 2022.
15. McCool CR, Eason CM, **Winkelmann ZK**, Olfert MD, Hetrick A, McCullough G, Scarneo-Miller SE. Written Policy Adoption for Emergency Preparedness and Environmental Injuries in West Virginia High Schools. *Journal of Athletic Training*. 2022;57(6S) Supplement:S-51. Oral Presentation at NATA 73rd Clinical Symposium and AT Expo. Philadelphia, PA. June 2022.
16. Loveless AM, Games KE, Shea ME, Thews KN, **Winkelmann ZK**. Experiences of Athletic Trainers in Tactical Athlete Settings When Managing Mental Health Conditions. *Journal of Athletic Training*. 2022;57(6S) Supplement:S-49. Oral Presentation at NATA 73rd Clinical Symposium and AT Expo. Philadelphia, PA. June 2022.
17. Learn RM, Eberman LE, Neil ER, Kirby JL, Stover RM, **Winkelmann ZK**. Collegiate Athletic Trainers' and Student-Athletes' Collaborative Management of Mental Health Conditions. *Journal of Athletic Training*. 2022;57(6S) Supplement:S-47. Oral Presentation at NATA 73rd Clinical Symposium and AT Expo. Philadelphia, PA. June 2022.
18. Bocklund DD, Games KE, Young JP, **Winkelmann ZK**. Defining Athletic Training in the Public Safety Setting. *Journal of Athletic Training*. 2022;57(6S) Supplement:S-45. Oral Presentation at NATA 73rd Clinical Symposium and AT Expo. Philadelphia, PA. June 2022.
19. Giorgi EM, Drescher MJ, **Winkelmann ZK**, Eberman LE. The Validation of a Focused History Script for the Social Determinants of Health in Secondary School Athletic Training. *Journal of Athletic Training*. 2022;57(6S) Supplement:S-25. Oral Presentation at NATA 73rd Clinical Symposium and AT Expo. Philadelphia, PA. June 2022.
20. Cage SA, **Winkelmann ZK**, Warner BJ, Tuell C, Gallegos DM. Hiring Practices Among NCAA Division 1 Head Athletic Trainers. *Clinical Practice in Athletic Training*. 2021;4(2):Supplement. Presentation at 67th Southwest Athletic Trainers Association (SWATA) Symposium. July 2021.
21. Agostinelli PJ, **Winkelmann ZK**, Games KE, Hirschhorn R, McAdam J, Lyons K, DadeMatthews O, Sefton JEM. The Effect of Heat on Heart Rate Variability During Exercise in Male Firefighters. *Medicine and Science in Sports & Exercise*. 2021;53(8S Supplement):362-363. Presentation at American College of Sports Medicine 69th Annual Meeting.
22. Wilson CJ, Eberman LE, Redinger AS, Neil ER, **Winkelmann ZK**. Athletic Trainers' Viewpoints of Patient-Centered Care. *Journal of Athletic Training*. 2021;56(6) Supplement:S-13. Oral Presentation at NATA 72nd Clinical Symposium and AT Expo. Orlando, FL. June 2021.

23. Roberts JM, Rivera MJ, **Winkelmann ZK**, Niles TR, Eberman LE. Health Literacy Levels of Collegiate Student-Athletes. *Journal of Athletic Training*. 2021;56(6) Supplement:S-14. Oral Presentation at NATA 72nd Clinical Symposium and AT Expo. Orlando, FL. June 2021.
24. Walen DR, Nye EA, **Winkelmann ZK**, Granger K, Walker SE, Eberman LE. Athletic Trainer Awareness and Needs as Providers for Transgender Student-Athletes. *Journal of Athletic Training*. 2021;56(6) Supplement:S-11. Oral Presentation at NATA 72nd Clinical Symposium and AT Expo. Orlando, FL. June 2021.
25. Schulman EH, Crossway AK, Shaughnessy GT, Rogers SM, Eberman LE, **Winkelmann ZK**. Athletic Training Program Directors' and Professional Students' Educational Experiences for Delivering Transgender Patient Care. *Journal of Athletic Training*. 2021;56(6) Supplement:S-90. Oral Presentation at NATA 72nd Clinical Symposium and AT Expo. Orlando, FL. June 2021.
26. Games KE, **Winkelmann ZK**. Athletic Trainer Resilience During the COVID-19 Pandemic. *Journal of Athletic Training*. 2021;56(6) Supplement:S-34. Oral Presentation at NATA 72nd Clinical Symposium and AT Expo. Orlando, FL. June 2021.
27. Downs KC, Eberman LE, Charles-Liscombe BC, Correll CB, **Winkelmann ZK**. Continuing Education using Infographics Improves the Knowledge and Practice of the Social Determinants of Health. *Journal of Athletic Training*. 2021;56(6) Supplement:S-38. Oral Presentation at NATA 72nd Clinical Symposium and AT Expo. Orlando, FL. June 2021.
28. Avey MC, Hand AF, Uriegas NA, Smith AB, **Winkelmann ZK**. The Examination of Access and Experience with Health Care Providers by ROTC Members. *Journal of Athletic Training*. 2021;56(6) Supplement:S-292. Poster Presentation at NATA 72nd Clinical Symposium and AT Expo. Orlando, FL. June 2021.
29. Niles TR, Rivera MJ, Torres-McGehee TM, Eberman LE, Roberts JM, **Winkelmann ZK**. Digital and Musculoskeletal Health Literacy of Collegiate Student-Athletes. *Journal of Athletic Training*. 2021;56(6) Supplement:S-188. Poster Presentation at NATA 72nd Clinical Symposium and AT Expo. Orlando, FL. June 2021.
30. Griffin G, Games KE, **Winkelmann ZK**. Telemedicine Use by Athletic Trainers During the COVID-19 Pandemic. *Journal of Athletic Training*. 2021;56(6) Supplement:S-223. Poster Presentation at NATA 72nd Clinical Symposium and AT Expo. Orlando, FL. June 2021.
31. Neil ER, **Winkelmann ZK**, Games KE. Job Satisfaction of Athletic Trainers' During the COVID-19 Pandemic. *Journal of Athletic Training*. 2021;56(6) Supplement:S-211. Poster Presentation at NATA 72nd Clinical Symposium and AT Expo. Orlando, FL. June 2021.
32. Stanton BM, Rivera MJ, **Winkelmann ZK**, Eberman LE. The Impact of Non-Native English-Speaking Patients and Support Systems on Patient Care. *Journal of Athletic Training*. 2021;56(6) Supplement:S-12. Poster Presentation at NATA 72nd Clinical Symposium and AT Expo. Orlando, FL. June 2021.
33. Shaughnessy GT, Eberman LE, Rogers SM, Crossway AK, **Winkelmann ZK**. The Educational Experiences of Professional Program Directors and Athletic Training Students Regarding Patient-Centered Care. *Journal of Athletic Training*. 2021;56(6) Supplement:S-274. Poster Presentation at NATA 72nd Clinical Symposium and AT Expo. Orlando, FL. June 2021.
34. Drescher MJ, **Winkelmann ZK**, Downs KC, Charles-Liscombe BC, Eberman LE. Incorporating the Social Determinants of Health in Healthcare Delivery among Secondary School Athletic Trainers. *Journal of Athletic Training*. 2021;56(6) Supplement:S-209. Poster Presentation at NATA 72nd Clinical Symposium and AT Expo. Orlando, FL. June 2021.
35. Jurewicz PE, Noojin FK, Berlinrut RB, **Winkelmann ZK**. The Presentation of Adhesive Capsulitis of the Hip: A Case Study. *Clinical Practice in Athletic Training*. 2021;4(1):64-65. Oral Presentation at 4th Annual Athletic Trainers in the Physician Practice Society (ATPPS) Meeting & Conference. Virtual. February 2021.
36. Redinger AS, **Winkelmann ZK**, Eberman LE. The Collegiate Student-Athletes' View of Patient Centered Care in Athletic Training Services. *Journal of Athletic Training*. 2020;55(6s) Supplement:S-351. Poster Presentation at NATA 71st Clinical Symposium and AT Expo. Atlanta, GA. June 2020.
37. Connell SA, Games KE, **Winkelmann ZK**. Athletic Trainers' Perspectives of Telemedicine. *Journal of Athletic Training*. 2020;55(6s) Supplement:S-334. Poster Presentation at NATA 71st Clinical Symposium and AT Expo. Atlanta, GA. June 2020.
38. White KA, **Winkelmann ZK**, Edler JR, Eberman LE. Recruiting and Retaining Racially Minoritized Students into Professional Post-Baccalaureate Athletic Training Programs. *Journal of Athletic Training*. 2020;55(6s) Supplement:S-244. Poster Presentation at NATA 71st Clinical Symposium and AT Expo. Atlanta, GA. June 2020.

39. Sims Koenig KN, **Winkelmann ZK**, Warner BJ, Gallegos DM, Cage SA. Delegation of Medical Authority from Supervising Physicians to Athletic Trainers in Texas. *Journal of Athletic Training*. 2020;55(6s) Supplement:S-340. Poster Presentation at NATA 71st Clinical Symposium and AT Expo. Atlanta, GA. June 2020.
40. Flanscha AN, Smith AB, **Winkelmann ZK**, Torres-McGehee TM. Sexual Behaviors of Collegiate Student-Athletes. *Journal of Athletic Training*. 2020;55(6s) Supplement:S-323. Poster Presentation at NATA 71st Clinical Symposium and AT Expo. Atlanta, GA. June 2020.
41. Hauge M, **Winkelmann ZK**, Uriegas NA, Torres-McGehee TM. Sexual Behaviors and Birth Control Use in Collegiate Student-Athletes. *Medicine and Science in Sports and Exercise*. 2020;52(7S Supplement):315-316. Poster Presentation at American College of Sports Medicine 67th Annual Meeting. San Francisco, CA. May 2020.
42. **Winkelmann ZK**, Eberman LE, Powden CJ, Games KE. Athletic Trainers' and Orthopedic Physicians' Experiences with Telemedicine in Musculoskeletal-Based Patient Encounters. *Journal of Athletic Training*. 2019;54(6) Supplement:S-441. Poster Presentation at NATA 70th Clinical Symposium and AT Expo Free Communication. Las Vegas, NV. June 2019. *Finalist for the NATA Free Communications Outstanding Doctoral Poster Presentation Award*
43. Boddicker BD, Neil ER, **Winkelmann ZK**, Walker SE, Eberman LE. Athletic Trainers' Preparation, Expectations, and Outcomes from a Standardized Patient Encounter. *Journal of Athletic Training*. 2019;54(6) Supplement:S-100. Oral Presentation at NATA 70th Clinical Symposium and AT Expo Free Communication. Las Vegas, NV. June 2019.
44. Nye EA, Walen DR, Rogers SM, Crossway AK, **Winkelmann ZK**, Walker SE, Eberman LE. Athletic Trainers' Perceptions about Collegiate Transgender Student-Athletes' Unfair Advantage in Sport Participation. *Journal of Athletic Training*. 2019;54(6) Supplement:S-72. Oral Presentation at NATA 70th Clinical Symposium and AT Expo Free Communication. Las Vegas, NV. June 2019.
45. Walen DR, Nye EA, Rogers SM, Crossway AK, **Winkelmann ZK**, Walker SE, Eberman LE. Athletic Trainers' Perceived Competence and Educational Influences in their Ability to Care for Collegiate Transgender Student-Athletes. *Journal of Athletic Training*. 2019;54(6) Supplement:S-72-73. Oral Presentation at NATA 70th Clinical Symposium and AT Expo Free Communication. Las Vegas, NV. June 2019.
46. Games KE, **Winkelmann ZK**, Jackson BC, Clark CL, Watts SL, Eberman LE. Barriers to Promoting Injury and Illness Prevention in the Fire Service: A Qualitative Report from Fire Chiefs. *Journal of Athletic Training*. 2019;54(6) Supplement:S-103-104. Oral Presentation at NATA 70th Clinical Symposium and AT Expo Free Communication. Las Vegas, NV. June 2019.
47. Graves WM, **Winkelmann ZK**, Games KE. Fluid Replacement Behaviors of Active Firefighters. *Journal of Athletic Training*. 2019;54(6) Supplement:S-375. Poster Presentation at NATA 70th Clinical Symposium and AT Expo Free Communication. Las Vegas, NV. June 2019.
48. Potts KA, Thews KN, **Winkelmann ZK**, Eberman LE, Games KE. Perceived Barriers to Musculoskeletal Injury and Illness Reporting in the Fire Service. *Journal of Athletic Training*. 2019;54(6) Supplement:S-178. Oral Presentation at NATA 70th Clinical Symposium and AT Expo Free Communication. Las Vegas, NV. June 2019.
49. Jackson BC, Thews KN, **Winkelmann ZK**, Eberman LE, Games KE. Fire Chiefs Perceived Barriers to Reporting Mental and Behavioral Illnesses in the Fire Service. *Journal of Athletic Training*. 2019;54(6) Supplement:S-105. Oral Presentation at NATA 70th Clinical Symposium and AT Expo Free Communication. Las Vegas, NV. June 2019.
50. Clark CL, Potts KA, **Winkelmann ZK**, Eberman LE, Games KE. The Structural and Cultural Barriers to Reporting Musculoskeletal Injuries from the Lens of Fire Chiefs. *Journal of Athletic Training*. 2019;54(6) Supplement:S-78-179. Oral Presentation at NATA 70th Clinical Symposium and AT Expo Free Communication. Las Vegas, NV. June 2019.
51. Hamilton SP, Neil ER, **Winkelmann ZK**, Eberman LE. Athletic Trainers' Social Media Use for Professional Advocacy. *Journal of Athletic Training*. 2019;54(6) Supplement:S-442-443. Oral Presentation at NATA 70th Clinical Symposium and AT Expo Free Communication. Las Vegas, NV. June 2019.
52. **Winkelmann ZK**, Neil ER, Eberman LE. Healthcare Administration and Professional Responsibility Courses in Professional Athletic Training Programs: A Curricular Analysis. *Athletic Training Education Journal*. 2018;13(4):377-391. Poster Presentation at NATA Athletic Training Educators' Conference Free Communication. Grapevine, TX. February 2019.

53. Rivera MJ, **Winkelmann ZK**, Eberman LE. Comparison between Educator, Patient, and Learner Evaluations of Standardized Patient Encounter Performance. *Athletic Training Education Journal*. 2018;13(4):377-391. Poster Presentation at NATA Athletic Training Educators' Conference Free Communication. Grapevine, TX. February 2019.
54. **Winkelmann ZK**, Eberman LE, Huggins RA. Athletic Training Student Aide Task Allowance in the Secondary School Setting. *Journal of Athletic Training*. 2018;53(6) Supplement:S-214. Oral Presentation at NATA 69th Clinical Symposium and AT Expo Free Communication. New Orleans, LA. June 2018.
55. Allen DC, **Winkelmann ZK**, Shea ME, Eberman LE, Games KE. The Relationship Between Health-Related Quality of Life and Burnout in Athletic Trainers. *Journal of Athletic Training*. 2018;53(6) Supplement:S-96. Oral Presentation at NATA 69th Clinical Symposium and AT Expo Free Communication. New Orleans, LA. June 2018.
56. Bush J, Walker SE, Sims K, **Winkelmann ZK**, Feld SD, Eberman LE. Post-Professional Learners Reflections following a Standardized Patient Encounter and Debriefing Session. *Journal of Athletic Training*. 2018;53(6) Supplement:S-53. Poster Presentation at NATA 69th Clinical Symposium and AT Expo Free Communication. New Orleans, LA. June 2018.
57. Christian ME, Koenig RC, **Winkelmann ZK**, Games KE. The Effects of Deep Oscillation Therapy for Individuals with Lower Leg Pain. *Journal of Athletic Training*. 2018;53(6) Supplement:S-154. Oral Presentation at NATA 69th Clinical Symposium and AT Expo Free Communication. New Orleans, LA. June 2018.
58. Games KE, **Winkelmann ZK**, Shea ME, Eberman LE. The Relationship Between Self-Reported Lower Extremity Function and Functional Tests in Career Firefighters. *Journal of Athletic Training*. 2018;53(6) Supplement:S-168. Oral Presentation at NATA 69th Clinical Symposium and AT Expo Free Communication. New Orleans, LA. June 2018.
59. Harrison JJ, Eberman LE, Games KE, Tripp PM, Valdez D, **Winkelmann ZK**. Athletic Training Student Clinical Education Practice Analysis. *Athletic Training Education Journal*. 2018;13(1):74. Poster Presentation at NATA Athletic Training Educators' Conference Free Communication. Grapevine, TX. February 2017.
60. **Winkelmann ZK**, Neil ER, Eberman LE. Athletic Training Students' Lack Knowledge of HIPAA Regulations in Social Media. *Athletic Training Education Journal*. 2018;13(1):74-45. Poster Presentation at NATA Athletic Training Educators' Conference Free Communication. Grapevine, TX. February 2017.
61. Adams HM, **Winkelmann ZK**, Jouiabi Z, Eberman LE. Transforming Pre-Professional Athletic Training Courses to Engage the Millennial Student. *Athletic Training Education Journal*. 2018;13(1):77-78. Poster Presentation at NATA Athletic Training Educators' Conference Free Communication. Grapevine, TX. February 2017.
62. **Winkelmann ZK**, McGinnis KD, McAdam JS, Pascoe DD, Sefton JEM, Games KE. The Effect of Environmental Heat Stress on Functional Balance in Firefighters. *Journal of Athletic Training*. 2017;52(6) Supplement:S-103-104. Oral Presentation at NATA 68th Clinical Symposium and AT Expo Certified Free Communication. Houston, TX. June 2017.
63. Csiernik AJ, **Winkelmann ZK**, Eberman LE, True JR, Games KE. Personal Protective Equipment Diminishes Static and Dynamic Balance in Firefighters. *Journal of Athletic Training*. 2017;52(6) Supplement:S-38. Oral Presentation at NATA 68th Clinical Symposium and AT Expo Certified Free Communication. Houston, TX. June 2017.
64. Games KE, Csiernik AJ, **Winkelmann ZK**, True JR, Eberman LE. Fatigue Diminishes Static and Dynamic Balance in Firefighters. *Journal of Athletic Training*. 2017;52(6) Supplement:S-151-152. Oral Presentation at NATA 68th Clinical Symposium and AT Expo Certified Free Communication. Houston, TX. June 2017.
65. Guindon CC, Eberman LE, **Winkelmann ZK**, Games KE. Athletic Trainers' Injury Prevention Practice Strategies and Barriers in Secondary Schools. *Journal of Athletic Training*. 2017;52(6) Supplement:S-113. Poster Presentation at NATA 68th Clinical Symposium and AT Expo Certified Free Communication. Houston, TX. June 2017.
66. Rogers SM, **Winkelmann ZK**, Eberman LE, Games KE. An Examination of the Triple Hop for Distance as a Predictor of Lower Extremity Performance in Firefighter Equipment. *Journal of Athletic Training*. 2017;52(6) Supplement:S-39. Oral Presentation at NATA 68th Clinical Symposium and AT Expo Certified Free Communication. Houston, TX. June 2017.

67. Roberts EJ, **Winkelmann ZK**, Games KE. The Effects of Deep Oscillation Therapy on Hamstring Flexibility. *Journal of Athletic Training*. 2017;52(6) Supplement:S-306. Oral Presentation at NATA 68th Clinical Symposium and AT Expo Certified Free Communication. Houston, TX. June 2017.
68. Vallandingham RA, Games KE, **Winkelmann ZK**, Eberman LE. Secondary School Athletic Trainers' Documentation Strategies and Clinical Management of Acute Lateral Ankle Sprains. *Journal of Athletic Training*. 2017;52(6) Supplement:S-123-124. Poster Presentation at NATA 68th Clinical Symposium and AT Expo Certified Free Communication. Houston, TX. June 2017.
69. **Winkelmann ZK**, Games KE, Demchak TJ, Manley ZS, Valencia C. Role of Deep Oscillation Therapy in the Treatment of Acute Lateral Ankle Sprains. *British Journal of Sports Medicine*. 2015;49 Supplement 1:A1.2. Oral Presentation at the 6th International Ankle Symposium. Dublin, Ireland. October 2015.
70. **Winkelmann ZK**, Eberman LE. Characteristics of Secondary School Athletic Training: Salary and Job Satisfaction. *Journal of Athletic Training*. 2015;50(6) Supplement:S-1-S-312. Poster Presentation at NATA 66th Clinical Symposium and AT Expo. St. Louis, MO. June 2015.

Peer-Reviewed Presentations without Published Abstract

1. Garg S, Uriegas NA, **Winkelmann ZK**, Adams MG, Hand AF. Effects of Mindful Sports Performance Enhancement in Collegiate Athletes in Reducing Anxiety and Improving Self-Awareness: A Critically Appraised Topic. Mid-Atlantic Athletic Trainers' Association Annual Meeting. Charlotte, NC. May 2022.
2. Loveless AM, Games KE, Shea ME, Thews KN, **Winkelmann ZK**. Experiences of Athletic Trainers in Tactical Athlete Settings When Managing Mental Health Conditions. Public Safety Athletic Trainers' Society Virtual Conference. February 2022.
3. **Winkelmann ZK**, Wilson CJ, Eberman LE, Redinger AS, Neil ER. Athletic Trainers' Viewpoints of Patient-Centered Care. Mid-Atlantic Athletic Trainers' Association Annual Meeting. Charlotte, NC. May 2021. *Presented virtually due to COVID-19 Pandemic.*
4. **Winkelmann ZK**, Monk AD, Knight MM, Games KE. Athletic Trainers' Experiences and Perceptions Regarding Telemedicine. Mid-Atlantic Athletic Trainers' Association Annual Meeting. Charlotte, NC. May 2020. *Presented virtually due to COVID-19 Pandemic.*
5. West JJ, Jackson BC, **Winkelmann ZK**, Edler JR, Eberman LE. Adolescent Perceptions of Injury and Pressures of Returning to Sport: A Retrospective Qualitative Analysis. Great Lakes Athletic Trainers' Association Annual Meeting Certified Free Communication. Wheeling, IL. March 2020.
6. Szabo AL, **Winkelmann ZK**. Mandatory Reporting: Insight into an Athletic Trainer's Role to be Someone's Lifeline. 3rd Annual Athletic Trainers in the Physician Practice Society (ATPPS) Meeting & Conference. Columbia, SC. February 2020.
7. Jackson BC, Houser J, Rivera MJ, **Winkelmann ZK**, Eberman LE. Role Clarity amongst Doctor of Physical Therapy and Doctor of Athletic Training Students Following a Guided, Collaborative Session. Collaboration Across Borders Conference. Indianapolis, IN. October 2019.
8. Sims-Koenig KN, Walker SE, **Winkelmann ZK**, Bush JM, Eberman LE. Translation of Standardized Patient Encounter Performance and Reflection to Clinical Practice. Association of Standardized Patient Educators Conference. Orlando, FL. June 2019.
9. **Winkelmann ZK**, Eberman LE, Powden CJ, Games KE. Telemedicine in Athletic Training: A Pilot Implementation Study. Great Lakes Athletic Trainers' Association Annual Meeting Certified Free Communication. Wheeling, IL. March 2019. *Finalist for the Outstanding Free Communication Presentation Award*
10. Metcalf BK, **Winkelmann ZK**, Eberman LE, Games KE. Health-Related Quality of Life of Tactical Athletes. Indiana Athletic Trainers Association Non-Certified Free Communications. Carmel, IN. November 2018.
11. **Winkelmann ZK**, Shea ME, Games KE. Upper Extremity Function of Firefighters Measured with Clinician-Rated and Patient-Reported Outcome Measures. Great Lakes Athletic Trainers Association Annual Meeting Certified Free Communication. Wheeling, IL. March 2018.
12. Blunk AR, Kauffman K, **Winkelmann ZK**. Spontaneous Non-contact Pneumothorax in a Division III Male Swimmer: A Case Report. Great Lakes Athletic Trainers Association Annual Meeting Non-Certified Free Communication. Wheeling, IL. March 2017.
13. Hensley CW, Rompola RR, Patberg K, **Winkelmann ZK**. Post-traumatic Osteoarthritis of the Ankle in a Secondary School Athlete: A Case Report. Great Lakes Athletic Trainers Association Annual Meeting Non-Certified Free Communication. Wheeling, IL. March 2017.

14. Hadley BL, Pride NA, **Winkelmann ZK**. The Use of Transcatheter Arterial Embolization for a Grade 1 Traumatic Spleen Laceration in a Collegiate Football Player: A Case Report. Great Lakes Athletic Trainers Association Annual Meeting Non-Certified Free Communication. Wheeling, IL. March 2017.
15. Anthis I, **Winkelmann ZK**. Multimedia Consent and Release Forms for Educational and Marketing Purposes in Sports Rehabilitation Clinics: A Critically Appraised Topic. Great Lakes Athletic Trainers Association Annual Meeting Non-Certified Free Communication. Wheeling, IL. March 2017.
16. **Winkelmann ZK**. Athletic Pubalgia in an Elite Male Collegiate Basketball Player: A Case Report. Great Lakes Athletic Trainers' Association Annual Meeting Certified Free Communication. Wheeling, IL. March 2016.
17. **Winkelmann ZK**. Spinal Cord Stimulation Treatment for Complex Regional Pain Syndrome Type II: A Case Study. Southwest Athletic Trainers' Association Annual Meeting. Addison, TX. July 2012.

Manuscripts In Revision

1. Harvey BK, Drescher MJ, **Winkelmann ZK**, Eberman LE. Declarative Knowledge, Confidence, and Perceptions on Suicide Prevention following Standardized Patient Observation. (In Revision, *Athletic Training Education Journal*)
2. Scarneo-Miller SE, Eason CM, **Winkelmann ZK**, Emrich C, Register-Mihalik J. Athletic Trainers' Proficiency in Evaluating Emergency Action Plans and a Subset of Catastrophic Policies and Procedures. (In Revision, *International Journal for Athletic Therapy and Training*)
3. Garg S, Uriegas NA, **Winkelmann ZK**, Adams M, Hand AF. Effect of Mindful Sports Performance Enhancement in College Athletes for Reducing Sports-Caused Anxiety and Improving Self-Awareness: A Critically Appraised Topic. (In Revision, *International Journal of Athletic Therapy and Training*)
4. Branning S, Jayanthi N, **Winkelmann ZK**. Superficial Peroneal Nerve Entrapment in a Female Collegiate Tennis Athlete. (In Revision, *Clinical Practice in Athletic Training*)
5. Kingsley A, Hand AF, Richards KM, Drescher MJ, **Winkelmann ZK**. Prioritizing Patient-Centered Care when Integrating of Athletic Training Students into Clinical Practice. (In Revision, *Clinical Practice in Athletic Training*)

Lectures and Presentations

International

1. Sefton JEM, Games KE, **Winkelmann ZK**, Dawes J, Orr R, Lyons K. Improving Firefighter Health and Performance: A Public Health Approach to Injury Prevention and Wellness. Panel Discussion, 5th International Congress on Soldiers' Physical Performance. Quebec City, Quebec. February 2020.

National

1. **Winkelmann ZK**, Foster ZJ. Wound Closure in Athletic Training: Suturing and Injections. Athletic Trainers' in Physician Practice Society Annual Conference. February 2023.
2. **Winkelmann ZK**, Torres-McGehee TM. Guide to Using Data for Workplace Improvements. In Review, NATA 74th Clinical Symposium and AT Expo. Indianapolis, IN. June 2023.
3. Edler Nye JR, Long S, **Winkelmann ZK**. Mapping your Framework: Clinical Education Tracking. Commission on the Accreditation of Athletic Training Education Annual Conference. Atlanta, GA. October 2022.
4. **Winkelmann ZK**, Gallegos D. Telemedicine for Primary and Secondary Injury Prevention. Forum Presentation at the NATA 73rd Clinical Symposium and AT Expo. Philadelphia, PA. June 2022.
5. **Winkelmann ZK**, Prybicien M, Halpern A, De Witt J, Weesner T, Walsh L, Robel K, Cardenas J, Gallegos D. NATA Timely Topics: The AT & the Future of Telemedicine. National Athletic Trainers' Association. Online Panel. April 2022.
6. **Winkelmann ZK**, Sailor S, Harris N, Snow S. NATA Timely Topics: The AT & Future Education. National Athletic Trainers' Association. Online Panel.. September 2021.
7. **Winkelmann ZK**. Telemedicine Solutions for Clinical Practice. On-Demand Content at the Virtual NATA Athletic Training Educators' Conference. Online. May 2021.
8. **Winkelmann ZK**. Telemedicine Solutions for Clinical Practice. Lecture at the Virtual NATA 71st Clinical Symposium and AT Expo. Online. July 2020.

9. **Winkelmann ZK**, Eberman LE. Recognition and Management of Exertional Sudden Death Conditions. Learning Lab at the NATA 71st Clinical Symposium and AT Expo. Atlanta, GA. June 2020. *Did not present due to COVID-19 Pandemic.*
10. **Winkelmann ZK**, Eberman LE. Assessing Telemedicine Competence using Standardized Patient Encounters at a Distance. Accepted, Association of Standardized Patient Educators Conference. Portland, OR. June 2020. *Did not present due to COVID-19 Pandemic.*
11. **Winkelmann ZK**, Eberman LE. Planning for the Unexpected: Virtual Clinical Education, Standardized Patients, and Telemedicine. Association for Athletic Training Educators. Online. March 2020.
12. **Winkelmann ZK**. Assessing and Measuring Core Competencies Across all Levels of Athletic Training Education: Patient-Centered Care. CAATE Accreditation Conference. Atlanta, GA. October 2019.
13. Dougal ZJ, **Winkelmann ZK**. Integrating Distance Learning During Clinical Immersive Experiences. NATA Athletic Training Educators' Conference. Grapevine, TX. February 2019
14. **Winkelmann ZK**. Project-Based Learning for Healthcare Administration and Professional Responsibility. NATA Athletic Training Educators' Conference. Grapevine, TX. February 2019
15. Games KE, **Winkelmann ZK**, Shea ME. Improving Firefighter Wellness through Performance Testing, and Individualized Programing. Tactical Athlete Human Factors Summit. Auburn, AL. September 2018.
16. **Potts K**, **Winkelmann ZK**, **Shea ME**, Games KE. Assessment of Firefighters' Nutrition and Sleep Behaviors. Tactical Athlete Human Factors Summit. Auburn, AL. September 2018.
17. **Winkelmann ZK**. An Evidence-Based Preventative Approach to Medial Tibial Stress Syndrome. Minicourse at the NATA 69th Clinical Symposium and AT Expo. New Orleans, LA. June 2018.

Regional and State

1. **Winkelmann ZK**. Creating a Patient-Centered Approach for Return to Work, Life, and Sport. South Carolina Athletic Trainers' Association Annual Conference. July 2022.
2. **Winkelmann ZK**, Foster ZJ. Wound Closure in Athletic Training: Suturing and Injections. South Carolina Athletic Trainers' Association Annual Conference. July 2022.
3. **Winkelmann ZK**. A Patient-Centered Care Approach to Athletic Training Services. South Carolina Athletic Trainers' Association Annual Conference. July 2021. *Presented virtually.*
4. **Winkelmann ZK**. The Telemedicine Musculoskeletal Exam for the Foot, Ankle, and Lower Leg. Mid-Atlantic Athletic Trainers' Association Virtual Student Program. Charlotte, NC. May 2021. *Presented virtually.*
5. **Winkelmann ZK**. Emergency Preparedness for Mental Health Conditions. Mid-Atlantic Athletic Trainers' Association Symposium. Charlotte, NC. May 2021. *On-Demand Home Study Course.*
6. **Winkelmann ZK**. Telehealth Communication. Northeast Indiana Sports Medicine Symposium. March 2021. *Presented virtually.*
7. **Winkelmann ZK**. Maximizing Telemedicine for Musculoskeletal Assessments and Therapeutic Rehabilitation: An Evidence-Based Practice Presentation. Southeast Athletic Trainers' Society Clinical Symposium & Members' Meeting. March 2021. *Presented virtually.*
8. **Winkelmann ZK**. Telemedicine in Athletic Training Clinical Practice. Maine Athletic Trainer' Association Annual Symposium. November 2020. *Presented virtually due to COVID-19 Pandemic.*
9. **Winkelmann ZK**. Emergency Preparedness for Mental Health Conditions. Mid-Atlantic Athletic Trainers' Association Symposium. Charlotte, NC. May 2020. *Presented virtually due to COVID-19 Pandemic.*
10. **Winkelmann ZK**, Neil ER. Why Administration Matters. Great Lakes Athletic Trainers Association Annual Meeting. Wheeling, IL. March 2019
11. **Winkelmann ZK**. Equipment Considerations for Tactical Athletes: Implications for Prevention and Rehabilitation. Iowa Athletic Trainers' Society Summer Meeting and Clinical Symposia. Des Moines, IA. June 2018.
12. **Winkelmann ZK**. Risk Management in Athletic Training: An Evidence-Based Practice Presentation. Iowa Athletic Trainers' Society Summer Meeting and Clinical Symposia. Des Moines, IA. June 2018.
13. Games KE, **Winkelmann ZK**. Inclusive Patient Care. Great Lakes Athletic Trainers Association Annual Meeting. Wheeling, IL. March 2018.
14. Eberman LE, **Winkelmann ZK**, Games KE, Walker SE, Powden CJ, Neil ER. Recognition and Management of Exertional Heat Illnesses: A Simulated Learning Experience. Great Lakes Athletic Trainers Association Annual Meeting. Wheeling, IL. March 2018.
15. Eberman LE, **Winkelmann ZK**. Risk Management in Athletic Training: An Evidence-Based Practice Presentation. Indiana Athletic Trainers Association Annual Meeting. Carmel, IN. November 2017.

16. Games KE, **Winkelmann ZK**. Equipment Considerations for Tactical Athletes: Implications for Prevention and Rehabilitation. Great Lakes Athletic Trainers Association Annual Meeting. Wheeling, IL. March 2017.
17. Eberman LE, **Winkelmann ZK**. Risk Management in Athletic Training: An Evidence-Based Practice Presentation. Great Lakes Athletic Trainers Association Annual Meeting. Wheeling, IL. March 2017.
18. **Winkelmann ZK**. HIVAMAT: An Emerging Modality for Acute Joint Injuries. Indiana Athletic Trainers' Association Summer Symposium. Indianapolis, IN. July 2015.

University and Community Presentations

1. **Winkelmann ZK**. What is your worth and value? Negotiating for your First Full-time Job in Athletic Training. University of South Carolina Professional AT Program. Columbia, SC. October 2022.
2. **Winkelmann ZK**. Best Practices in Diagnosis, Risk Factor Identification, and Prevention of Medial Tibial Stress Syndrome. Temple University Doctor of Athletic Training Program. Philadelphia, PA (online). October 2022.
3. **Winkelmann ZK**. Applying and Negotiating for your First Full-time Job in Athletic Training. University of South Carolina SCATSA Meeting. Columbia, SC (online). March 2022.
4. **Winkelmann ZK**. Best Practices in Preventing Medial Tibial Stress Syndrome. Temple University Doctor of Athletic Training Program. Philadelphia, PA (online). September 2021.
5. **Winkelmann ZK**. Best Practices in Preventing Medial Tibial Stress Syndrome. CHRISTUS Mother Frances Sports Medicine Continuing Education Session. Tyler, TX (online). April 2021.
6. **Winkelmann ZK**. Preparing and Caring for Transgender Student-Athletes. University of South Carolina Office of Multicultural Student Affairs Alphabet Student Professional Development Session. Columbia, SC (online). March 2021.
7. **Winkelmann ZK**. Telemedicine in Athletic Training. Georgia Southern University Master of Science in Advanced Athletic Training Guest Lecture. Statesboro, GA (online). February 2021.
8. **Winkelmann ZK**. Patient-Centered Care in Athletic Training. Jefferson University Master of Science in Athletic Training Guest Lecture. Philadelphia, PA (online). January 2021.
9. **Winkelmann ZK**. Telemedicine: A Response to COVID-19 or the Future of Athletic Training. Temple University. Philadelphia, PA (online). December 2020.
10. **Winkelmann ZK**. Telemedicine: A Response to COVID-19 or the Future of Athletic Training. A.T. Still University. Mesa, AZ (online). August 2020.
11. **Winkelmann ZK**. Telemedicine Solutions Athletic Training: Training Seminar. The SPORT Clinic and Foundation. Los Angeles, CA (online). July 2020.
12. **Winkelmann ZK**. Telemedicine in Athletic Training. Consultation with Stanford University Sports Medicine. Palo Alto, CA (online). April 2020.
13. **Winkelmann ZK**. Telemedicine in Athletic Training. University of Idaho Master of Science in Athletic Training Guest Lecture. Moscow, ID (online). April 2020.
14. **Winkelmann ZK**. Telemedicine in Athletic Training. University of New England Athletic Training Program Guest Lecture. Biddeford, ME (online). March 2020.
15. **Winkelmann ZK**. Telemedicine in Athletic Training. Hardin-Simmons University Athletic Training Program Guest Lecture. Abilene, TX (online). March 2020.
16. **Winkelmann ZK**. Telemedicine in Athletic Training. Texas Tech University Health Sciences Center Athletic Training Program Guest Lecture. Lubbock, TX (online). March 2020.
17. **Winkelmann ZK**, Rivera MJ. Athletic Training Clinical Coordinators Learn and Share: Telemedicine and Virtual Clinical Education. Online. March 2020.
18. **Winkelmann ZK**. Telemedicine in Athletic Training. Consultation with University of Florida Campus Recreation Athletic Training. Gainesville, FL (online). March 2020.
19. **Winkelmann ZK**. Patient-Centered Care in Athletic Training. Jefferson University Master of Science in Athletic Training Guest Lecture. Philadelphia, PA (online). March 2020.
20. **Winkelmann ZK**. The Digital Age: Social Media and HIPAA Protection for Athletic Trainers. University of South Carolina Pre-Semester Meeting. Columbia, SC. January 2020.
21. **Winkelmann ZK**. Risk Management for Medical Emergencies. Xavier University Master of Science in Athletic Training Guest Lecture. Cincinnati, OH (online). November 2019.
22. **Winkelmann ZK**. Telemedicine in Athletic Training. University of Indianapolis Master of Science in Athletic Training Guest Lecture. Indianapolis, IN (online). October 2019.
23. Cannon E, **Winkelmann ZK**. Intravenous Fluid Administration and Skill Lab. Indiana State University Doctorate in Athletic Training Spring Symposium. Terre Haute, IN. April 2019.

24. **Winkelmann ZK**. Telemedicine in Athletic Training. Indiana State University Doctorate in Athletic Training Spring Symposium. Terre Haute, IN. April 2019.
25. **Winkelmann ZK**. The Digital Age: Social Media Use for Athletic Trainers. University of Idaho Master of Science in Athletic Training Guest Lecture. Moscow, ID (online). April 2019.
26. **Winkelmann ZK**. Best Practices in Preventing Medial Tibial Stress Syndrome. CHRISTUS Mother Frances Sports Medicine Continuing Education Session. Tyler, TX (online). March 2019.
27. **Winkelmann ZK**, Neil ER, Rivera MJ. Myofascial Decompression, Instrument Assisted Soft-Tissue Mobilizations, and Self-Myofascial Release: Lecture, Lab, and Problem-Based Learning Scenarios. Indiana State University Doctorate in Athletic Training Summer Symposium. Terre Haute, IN. July 2018
28. Games KE, **Winkelmann ZK**. Inclusive Patient Care for Underserved Populations. Indiana State University Doctorate in Athletic Training Summer Symposium. Terre Haute, IN. July 2018
29. Powden CJ, **Winkelmann ZK**. Practice-Based Research. Indiana State University Doctorate in Athletic Training Spring Symposium. Terre Haute, IN. May 2018.
30. **Winkelmann ZK**. Rectal Thermometry: Lab and Discussion. Indiana State University Doctorate in Athletic Training Spring Symposium. Terre Haute, IN. May 2018.
31. **Winkelmann ZK**. Validation Case Studies: Risk Factor Assessment for Medial Tibial Stress Syndrome. Indiana State University Doctorate in Athletic Training Spring Symposium. Terre Haute, IN. May 2018.
32. **Winkelmann ZK**. Telemedicine in Athletic Training. Indiana State University Doctorate in Athletic Training Spring Symposium. Terre Haute, IN. May 2018.
33. **Winkelmann ZK**, Games KE. Physical Performance Tests for the Lower Extremity: Balance and Functional Testing. Indiana State University Doctorate in Athletic Training Fall Symposium. Terre Haute, IN. November 2017.
34. Eberman LE, Laursen RM, **Winkelmann ZK**. Risk Management and Privileging. Indiana State University Doctorate in Athletic Training Fall Symposium. Terre Haute, IN. November 2017.
35. Eberman LE, **Winkelmann ZK**, Rivera MJ. Teaching to Teach Simulation: A Student-Led Simulation Course. Rural Health Innovation Collaborative 1st Annual Simulation Symposium. Terre Haute, IN. September 2017.
36. **Winkelmann ZK**, Games KE. Physical Performance Tests for the Lower Extremity: Balance and Functional Testing. Indiana State University Doctorate in Athletic Training Spring Symposium. Terre Haute, IN. April 2016.

DIRECTED STUDENT RESEARCH MENTORSHIP

Undergraduate

1. Matthews J, University of South Carolina Business Major – 2022-Present
UofSC Honors College; Thesis Advisor
Mental Health Delivery Following ACL Injury
2. Montgomery C, University of South Carolina Exercise Science – 2022-Present
UofSC Honors College
Patient-Centered Care in Sports Medicine
3. Adler K, University of South Carolina Exercise Science – 2022-Present
UofSC Honors College
Patient-Centered Care in Sports Medicine
4. Stover R, University of South Carolina Exercise Science – 2020-Present
UofSC Capstone Scholar
Mental Health and Sports Medicine
5. Correll C, University of South Carolina Exercise Science – 2020
Social Determinants of Health
6. Metcalf BK, Indiana State University Pre-Professional Athletic Training Program – 2016-2019
Patient-reported Outcomes in the Fire Service
7. Brown CW, Indiana State University Professional Athletic Training Program – 2017
Implementation of eHealth Systems
8. Doades SJ, Indiana State University Professional Athletic Training Program - 2017
mHealth Adoption by Healthcare Professionals
9. Krause KL, Indiana State University Professional Athletic Training Program - 2017

Mobile Health Use in Low-Resource Settings

10. Fendrick KJ, Indiana State University Professional Athletic Training Program - 2017
Telehealth and Patient Satisfaction
11. Blunk AR, Indiana State University Professional Athletic Training Program - 2016
Spontaneous Non-contact Pneumothorax in a Division III Male Swimmer: A Case Report
12. Hensley CW, Indiana State University Professional Athletic Training Program - 2016
Post-traumatic Osteoarthritis of the Ankle in a Secondary School Athlete: A Case Report
13. Hadley BL, Indiana State University Professional Athletic Training Program - 2016
The Use of Transcatheter Arterial Embolization for a Grade 1 Traumatic Spleen Laceration in a Collegiate Football Player: A Case Report
14. Anthis T, Indiana State University Professional Athletic Training Program - 2016
Multimedia Consent and Release Forms for Educational and Marketing Purposes in Sports Rehabilitation Clinics: A Critically Appraised Topic
15. Jackson A, Indiana State University Professional Athletic Training Program - 2016
Managing ADHD in Adolescent Athletes

Masters

1. Smith E, University of South Carolina Post-Professional Athletic Training Program – 2022-2024
LGBTQ+ Experiences during Clinical Education
Role: Committee Chair
2. Verde M, University of South Carolina Post-Professional Athletic Training Program – 2022-2024
Accuracy of Blood Pressure Assessments
Role: Committee Chair
3. Mitchell A, University of South Carolina Post-Professional Athletic Training Program – 2022-2024
Patient Education Delivery by Athletic Training Job Setting
Role: Committee Chair
4. Milliet M, University of South Carolina Post-Professional Athletic Training Program – 2022-2024
Athletic Trainers' Experiences Following the Death of an Athlete by Suicide
Role: Committee Chair
5. Rhodes A, University of South Carolina Professional Athletic Training Program – 2022
Sample Sizes of Published Studies in Athletic Training
Role: Committee Chair
6. Moll K, University of South Carolina Post-Professional Athletic Training Program – 2021-2023
Implementation a Script to Facilitate Social Determinants of Health Conversations with Patients
Role: Committee Chair
7. Branning S, University of South Carolina Post-Professional Athletic Training Program – 2021-2023
Ranking and Evaluation of Professional Athletic Training Programs
Role: Committee Chair
8. Millet N, University of South Carolina Post-Professional Athletic Training Program – 2021-2023
Using the International Classification of Functioning, Disability and Health (ICF) Framework in Athletic Training
Role: Committee Chair
9. Willison M, University of South Carolina Post-Professional Athletic Training Program – 2021-2023
Spiritual Fitness and Readiness compared to Mental Health Outcomes in ROTC Cadets
Role: Committee Chair
10. Patel S, University of South Carolina Post-Professional Athletic Training Program – 2021-2023
Digital Health Literacy, Telemedicine, and Zip Code Determinants of Health
Role: Committee Chair
11. Tomasic M, University of South Carolina Post-Professional Athletic Training Program – 2021-2023
Sleep Habits in ROTC Cadets
Role: Committee Co-Chair
12. Maroosis P, University of South Carolina Post-Professional Athletic Training Program – 2021-2023
Career Choice Factors in Athletic Training and Physical Therapy Students
Role: Committee Member
13. Crooks V, University of South Carolina Post-Professional Athletic Training Program – 2021-2023
Frequency of Stakeholders Named in Lawsuits Following the Death of High School Athletes

- Role: Committee Member
14. Jones K, University of South Carolina Post-Professional Athletic Training Program – 2021-2023
Spiritual Fitness and Readiness during a 10-week US Army Basic Training
Role: Committee Member
 15. Jimenez G, California State University Northridge MS in Kinesiology – 2020-2021
Perceived Competence and Preparedness of Recent Fire Academy Graduates
Role: Committee Member
 16. Loveless A, University of South Carolina Post-Professional Athletic Training Program – 2020-2022
Experiences of Athletics Trainers in Tactical Athlete Settings Managing Behavioral Health Issues
Role: Committee Chair
 17. Griffin G, University of South Carolina Post-Professional Athletic Training Program – 2020-2022
Factors Affecting Adoption of Telemedicine in Athletic Training.
Role: Committee Chair
 18. Young R, University of South Carolina Post-Professional Athletic Training Program – 2020-2022
Experiences of Current and Former College Student-Athletes with Mental Health Resources, Mental Illness, and Suicidality.
Role: Committee Chair
 19. Learn R, University of South Carolina Post-Professional Athletic Training Program – 2020-2022
Resources, Facilitators, and Barriers to Mental Health Service Utilization in Tandem from Athletic Trainers and Collegiate Student-Athletes
Role: Committee Chair
 20. Schulman E, University of South Carolina Post-Professional Athletic Training Program – 2020-2022
Using Simulation to Improve Athletic Training Students' Knowledge, Skills, and Behaviors Caring for a Transgender Patient
Role: Committee Chair
 21. Bolno A, University of South Carolina Post-Professional Athletic Training Program – 2020-2022
Concussion Legal Case Studies in Sports Medicine and Athletic Training
Role: Committee Member
 22. Ulshafer S, University of South Carolina Post-Professional Athletic Training Program – 2020-2022
Diabetes and Anaphylaxis Legal Case Studies in Sports Medicine and Athletic Training
Role: Committee Member
 23. Bockwinkel B, University of South Carolina Post-Professional Athletic Training Program – 2020-2022
Cardiac Legal Case Studies in Sports Medicine and Athletic Training
Role: Committee Member
 24. Johnson S, University of South Carolina Post-Professional Athletic Training Program – 2020-2022
Cardiac Legal Case Studies in Sports Medicine and Athletic Training
Role: Committee Member
 25. Kingsley A, University of South Carolina Post-Professional Athletic Training Program – 2020-2022
Prevalence of Legal Case Studies in Athletic Training Settings
Role: Committee Member
 26. Rowe D, University of South Carolina Post-Professional Athletic Training Program – 2020-2022
College Student-Athletes Experiences with COVID-19 upon Return-to-Sport
Role: Committee Member
 27. Downs K, University of South Carolina Post-Professional Athletic Training Program – 2019-2021
The Athletic Trainers' Role in Screening for Social Determinants of Health in Secondary School Student-Athlete Patient Populations
Role: Committee Chair
 28. Niles T, University of South Carolina Post-Professional Athletic Training Program – 2019-2021
Health Literacy of Black Student-Athletes
Role: Committee Chair
 29. Shaughnessy GT, University of South Carolina Post-Professional Athletic Training Program – 2019-2021
Exploring the Preparation and Experiences of Athletic Training Students' Related to Caring for Transgender Student-Athletes
Role: Committee Chair
 30. Avey MC, University of South Carolina Post-Professional Athletic Training Program – 2019-2021

The Examination of Access to and Experience with Healthcare Providers by ROTC Students

Role: Committee Chair

31. Wilson CJ, University of South Carolina Post-Professional Athletic Training Program – 2019-2021

Athletic Trainers' Viewpoints of Patient-Centered Care

Role: Committee Chair

Doctoral

1. Pacific K, Rocky Mountain University of Health Sciences Doctor of Health Science Program – 2021-Present
Patient and Physical Therapists' Perceptions of Telerehabilitation Compared to Traditional In-person Care: A Qualitative study

Role: Committee Member

2. Hales B, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2020-2022
Using Simulated Patient Encounter to Improve Student Confidence with Behavioral Health Recognition and Referral

Role: Committee Member

3. Mills G, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2020-2022
Mental Health Care Providers View of Athletic Trainers in the Behavioral Health Care Team

Role: Committee Member

4. Spraggins J, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2020-2022
Exploring the Acceptability of Embedded Healthcare Services within the Federal Wildland Firefighters

Role: Committee Member

5. Giorgi E, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2020-2022
Development and Validation of a Clinician Script/Guide to Facilitate Social Determinants of Health Conversations with Patients

Role: Committee Member

6. Roberts J, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2019-2021
Health Literacy of Hispanic and Latinx Student-Athletes

Role: Committee Member

7. Fendrick K, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2019-2021
Drug Overdose Recognition and Management

Role: Committee Member

8. Stanton B, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2019-2021
Non-native English-Speaking Patients and their Support Systems

Role: Committee Member

9. Weber S, University of South Carolina Doctor of Philosophy in Exercise Science – 2019-2020
Effects of a Heart Rate Biofeedback Training Program on Mental Health & Performance in Collegiate Student-Athletes

Role: Committee Member

10. West JJ, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2018-2020
Previous Patient Experiences in the Return-to-Play Process Following a Time-Loss Injury

Role: Co-Advisor

11. White KA, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2018-2020
Recruiting and Retaining Ethnic Minority Students into Professional Post-Baccalaureate Athletic Training Programs

Role: Co-Advisor

12. Connell S, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2018-2020
Knowledge and Beliefs of Telemedicine in Athletic Training

Role: Co-Advisor

13. Redinger AK, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2018-2020
Patient-Centered Care in Athletic Training

Role: Co-Advisor

14. Monk A, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2018-2020
The First Twenty: Using mHealth Applications to Improve Mental, Physical, and Nutritional Health

Role: Co-Advisor

15. Knight M, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2018-2020

- The User Experience of Firefighters Using mHealth Applications
Role: Co-Advisor
16. Burton CA, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2018-2019
Incognito Standardized Patient Encounters in Clinical Education
Role: Co-Advisor
 17. Eiler R, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2017-2019
Functional Balance Testing in Structural Firefighters
Role: Co-Advisor
 18. Graves W, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2017-2019
Fluid Replacement Behaviors of Active, Career Firefighters
Role: Co-Advisor
 19. Thews K, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2017-2019
Barriers to Mental Health Injury Reporting in the Fire Service
Role: Co-Advisor
 20. Watts S, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2017-2019
Reporting Promoters and Injury Prevention Tactics in the Fire Service
Role: Co-Advisor
 21. Potts KA, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2017-2019
Barriers to Musculoskeletal Injury Reporting in the Fire Service
Role: Co-Advisor
 22. Bush JM, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2016-2018
Debriefing Sessions Following Standardized Patient Encounters in Post-Professional Athletic Training
Role: Co-Advisor
 23. Sims-Koenig KN, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2016-2018
Translating Standardized Patient Performance to Clinical Practice
Role: Co-Advisor
 24. Koenig RC, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2016-2018
The Effects of Deep Oscillation Therapy on Passive Ankle Dorsiflexion and Pain
Role: Co-Advisor
 25. Christian ME, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2016-2018
The Effects of Deep Oscillation Therapy on Passive Ankle Dorsiflexion and Pain
Role: Co-Advisor
 26. Roberts EJ, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2016-2017
The Effects of Deep Oscillation Therapy on Hamstring Flexibility
Role: Co-Advisor
 27. Rogers SM, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2015-2017
An Examination of the Triple Hop for Distance as a Predictor of Lower Extremity Performance in Firefighter Equipment
Role: Co-Advisor
 28. Guindon CC, Indiana State University Post-Professional Doctorate in Athletic Training Program – 2015-2017
Athletic Trainers' Injury Prevention Practice Strategies and Barriers in Secondary Schools
Role: Co-Advisor

GRANTS

External Funding

1. The Efficacy and Effectiveness of the Policy Development for Response Education and Planning (PREP) Program
Principal Investigator: Scarneo-Miller SE, **Winkelmann ZK**, DiStefano LJ, Eason CM, Emrich C
Role: Co-Investigator
Funding Source: National Institute of Health R21 Grant
Requested: \$275,000
Score=30; 18th percentile for NICHD in November 2021

In Progress for Revised Submission, July 2022

2. Implementation of a Focused History Script for the Social Determinants of Health To Facilitate Conversations with Secondary School Patients
Principal Investigator: Moll K, Picha K, Eberman LE, Edler Nye J, **Winkelmann ZK**
Role: Senior Faculty Advisor
Funding Source: National Athletic Trainers' Association Masters Student Research Grant
Requested: \$1,000 – Funded: \$1,000, June 2022
3. Innovation in Continuing Professional Development: Experiences of Transgender Patient Student-Athletes
Principal Investigator: Crossway AK, Rogers SM, Walen Dr, **Winkelmann ZK**, Eberman LE
Role: Co-Investigator
Funding Source: National Athletic Trainers' Association LGBTQ+ Research Grant
Requested: \$5,000 – Selected for Full Proposal; Not Funded June 2022
3. The Effectiveness of the Policy Development for Response, Education and Planning (PREP) Program
Principal Investigator: Scarneo-Miller SE, DiStefano LJ, **Winkelmann ZK**, Eason CM, Emrich C.
Role: Consultant
Funding Source: National Athletic Trainers' Association General Grant
Requested: \$57,501 – Selected for Full Proposal; Not Funded June 2021
4. Athletic Trainers' Viewpoints of Patient-Centered Care
Principal Investigator: **Winkelmann ZK**, Wilson C, Redinger AK, Neil ER, Eberman LE
Funding Source: Mid-Atlantic Athletic Trainers Association Research and Grant Committee
Requested: \$817.00 – Funded: \$800.00, November 2019
5. The Perceptions and Beliefs of Telehealth Encounters: A Pilot Study
Principal Investigators: **Winkelmann ZK**, Games KE
Funding Source: Great Lakes Athletic Trainers Association Research Assistance Award
Requested: \$2,500.00 – Funded: \$2,500.00, May 2017
6. The Technical Feasibility of a Healthcare Provider to Improve the Adoption of Firefighter Health and Safety Programs
Principal Investigators: Games KE, Eberman LE, **Winkelmann ZK**
Funding Source: National Institute for Occupational Safety and Health
Requested: \$100,000.00 – Not Funded, February 2017

Internal Funding

1. The Efficacy and Effectiveness of the Policy Development for Response Education and Planning (PREP) Program
Principal Investigator: Scarneo-Miller SE
Consultant: **Winkelmann ZK**
Funding Source: West Virginia CTSI Research Scholars Program
Requested: \$5,000.00
1. Zip Code Determinants of Health Affecting Telemedicine Use by Athletic Trainers
Principal Investigator: Stover R, Patel S, **Winkelmann ZK**
Funding Source: University of South Carolina Magellan Apprentice Award
Requested: \$1,000.00 – Funded: \$1,000, April 2022
2. Improving emergency preparedness in West Virginia high school athletics: the Policy development for Response, Education and Planning (PREP) Program.
Principal Investigator: Scarneo-Miller SE, Olfert M, Hetrick A, Eason CM, **Winkelmann ZK**
Funding Source: West Virginia University Research and Scholarship Advancement Award
Requested: \$5,000.00 – Funded: \$5,000, July 2021
3. Innovation in Continuing Professional Development: Experiences of Transgender Patient Student-Athletes
Principal Investigator: Rogers SM, Eberman LE, Crossway AK, **Winkelmann ZK**, Walen DR
Funding Source: California State University Northridge Research, Scholarship, and Creative Activity Award
Requested: \$5,000.00 – Funded: \$5,000, April 2021
4. The Athletic Trainers' Role in Screening for Social Determinants of Health in Secondary School Student-Athlete Patient Populations
Principal Investigator: Baron S, Downs K, **Winkelmann ZK**
Funding Source: University of South Carolina Office of Undergraduate Research Magellan Scholar Award

- Requested: \$3,000.00 – Not Funded December 2019
5. A Public Health Approach to Injury Prevention and Wellness in the Fire Service
Principal Investigator: **Winkelmann ZK**
Funding Source: University of South Carolina Global Carolina Faculty International Travel Grant
Requested: \$1,000.00 – Funded: \$1,000.00, October 2019
 6. Doctorate in Athletic Training: Experiential Learning in Community-Based Health
Principal Investigators: Eberman LE, **Winkelmann ZK**, Games KE
Funding Source: Indiana State University Experiential Learning and Community Engagement Grant
Requested: \$3,000.00 – Funded: \$1,500.00, April 2019
 7. Focus Indiana Career Immersion Trip – Doctorate in Athletic Training Spring Symposium
Principal Investigators: Games KE, **Winkelmann ZK**, Neil ER
Funding Source: Lilly Endowment and Indiana State University Career Center
Requested: \$4,920.24 – Funded: \$900.00, March 2019
 8. The Adolescent's Perception of Injury and Pressures of Returning to Play
Principal Investigators: West J, **Winkelmann ZK**, Eberman LE
Funding Source: Indiana State University Center for Student Research and Creativity
Requested: \$280.00 – Funded: \$280.00, March 2019
 9. Patient-Centered Care in Athletic Training
Principal Investigators: Redinger AK, **Winkelmann ZK**, Eberman LE
Funding Source: Indiana State University Center for Student Research and Creativity
Requested: \$700.00 – Funded: \$560.00, March 2019
 10. Examination of a Mobile Health Application to Improve Health-Related Quality of Life and Physical Fitness of Firefighters
Principal Investigators: Monk A, Knight M, **Winkelmann ZK**, Games KE
Funding Source: Indiana State University Center for Student Research and Creativity
Requested: \$700.00 – Funded: \$560.00, March 2019
 11. An Appraisal of User Experience and Interoperability in a Mobile Health Application to Promote Health and Wellness of Firefighters
Principal Investigators: Knight M, Monk A, **Winkelmann ZK**, Games KE
Funding Source: Indiana State University Center for Student Research and Creativity
Requested: \$700.00 – Funded: \$560.00, March 2019
 12. Recruiting and Retaining Ethnic Minority Students into Professional Post-Baccalaureate Athletic Training Programs
Principal Investigators: White K, **Winkelmann ZK**, Eberman LE
Funding Source: Indiana State University Center for Student Research and Creativity
Requested: \$250.00 – Funded: \$250.00, March 2019
 13. Examining Athletic Trainers' Knowledge of Telehealth
Principal Investigators: Connell S, **Winkelmann ZK**, Games KE
Funding Source: Indiana State University Center for Student Research and Creativity
Requested: \$700.00 – Funded: \$560.00, March 2019
 14. Athletic Trainers' and Orthopedic Physicians' Experiences with Telemedicine in Musculoskeletal-Based Patient Encounters
Principal Investigators: **Winkelmann ZK**, Eberman LE
Funding Source: Indiana State University Center for Student Research and Creativity
Requested: \$500.00 – Funded: \$375.00, March 2019
 15. Focus Indiana Career Immersion Trip – Doctorate in Athletic Training Fall Symposium
Principal Investigators: Eberman LE, **Winkelmann ZK**, Games KE
Funding Source: Lilly Endowment and Indiana State University Career Center
Requested: \$4,906.00 – Funded: \$4,906.00, November 2018
 16. Clinical Practice Labs in the Doctorate in Athletic Training Program
Principal Investigators: Eberman LE, Neil ER, **Winkelmann ZK**, Stevens D, Heck N
Funding Source: Indiana State University Innovative Projects Grant
Requested: \$4,471.23 – Funded: \$4,471.23, April 2018
 17. Impressions of Telemedicine in Athletic Training Education

- Principal Investigators: **Winkelmann ZK**, Eberman LE
 Funding Source: Indiana State University Center for Student Research and Creativity
 Requested: \$698.10 – Funded: \$691.12, February 2018
18. Perceived Barriers to Reporting Musculoskeletal Injuries in the Fire Service
 Principal Investigators: Potts K, **Winkelmann ZK**, Games KE
 Funding Source: Indiana State University Center for Student Research and Creativity
 Requested: \$700.00 – Funded: \$595.00, February 2018
19. Perceived Barriers to Reporting Mental and Behavioral Illness in the Fire Service
 Principal Investigators: Thews K, **Winkelmann ZK**, Games KE
 Funding Source: Indiana State University Center for Student Research and Creativity
 Requested: \$700.00 – Funded: \$595.00, February 2018
20. Doctorate in Athletic Training: Focused, Intensive Learning Weekend
 Principal Investigators: Eberman LE, Games KE, Powden CJ, Neil ER, **Winkelmann ZK**
 Funding Source: Indiana State University Interdisciplinary Projects to Support Learning Outcomes
 Requested: \$4,500.00 – Funded: \$2,230.03, October 2017
21. The Effects of Deep Oscillation Therapy on H-Reflex Recruitment and Passive Ankle Dorsiflexion
 Principal Investigators: Christopher ME, Koenig RC, **Winkelmann ZK**, Games KE
 Funding Source: Indiana State University Center for Student Research and Creativity
 Requested: \$1,195.00 – Funded: \$1,195.00, February 2017
22. Athletic Training Students' Lack Knowledge of HIPAA Regulations in Social Media, 2017 ATEC Conference
 Principal Investigators: **Winkelmann ZK**, Eberman LE
 Funding Source: Bayh College of Education Graduate Student Research and Professional Development Fund
 Requested: \$300.00 – Funded: \$270.00, November 2016
23. The Effect of Environmental versus Exertional Heat Stress on Functional Performance in Firefighters
 Principal Investigators: **Winkelmann ZK**, Games KE
 Funding Source: Indiana State University Center for Student Research and Creativity
 Requested: \$600.00 – Funded: \$600.00, October 2016
24. Role of Deep Oscillation Therapy in the Treatment of Acute Lateral Ankle Sprains, 6th Int'l Ankle Symposium
 Principal Investigators: **Winkelmann ZW**, Games KE
 Funding Source: Indiana State University Center for Student Research and Creativity
 Requested: \$600.00 - Funded: \$180.00, September 2015
25. Athletic Trainers in the Community: Youth Injury Prevention and Education Expo
 Principal Investigators: Games KE, Eberman LE, **Winkelmann ZW**, et. al
 Funding Source: Indiana State University Center for Community Engagement and Experiential Learning
 Requested: \$2,500.00 - Funded: \$2,500.00, March 2015

CLINICAL EXPERIENCES

University of South Carolina Campus Recreation, Columbia, SC

Blatt Physical Education Center Athletic Trainer – January to March 2020

University of South Carolina, Columbia, SC

Football Visiting Sideline Host Athletic Trainer – November 2019

Union Health Center for Sports Medicine, Terre Haute, IN

Per Diem Athletic Trainer for Secondary Schools, Colleges and Community Events - August 2016 to July 2019

USA Gymnastics State Meet, Terre Haute, IN

Athletic Trainer – March 2019

Western Indiana Classic Indoor Track Meet, Greencastle, IN

Athletic Trainer – January 2018

NCAA Division I National Cross-Country Meet, Terre Haute, IN

Athletic Trainer - November 2013, November 2014, November 2016

Ironman, Chattanooga, TN

Finish Line Medical Team Member – May 2016

Indiana State University, Terre Haute, IN

Football Concussion Spotter - Fall 2015

Crossroads of America Girls Soccer Showcase, Indianapolis, IN

Contract Athletic Trainer – April 2015

Sycamore Pre-National Cross-Country Invitational, Terre Haute, IN

Medical Tent Athletic Trainer – September 2013, October 2014

The Greg Lansing Youth Basketball Camp, Terre Haute, IN

Athletic Trainer - Summer 2014

Ironman, Louisville, KY

Finish Line Medical Team Member - September 2013, August 2014

Special Olympics, Terre Haute, IN

Athletic Training Volunteer - March 2014

Indiana State University, Terre Haute, IN

Graduate Assistant Athletic Trainer, ISU Men's Basketball – July 2013 to May 2015

Detroit Lions, National Football League, Dearborn, MI

Athletic Training Intern - Summer 2012

USA Track Olympic Marathon Time Trials and Chevron Marathon, Houston, TX

Medical Aid Volunteer - January 2012

NCAA Division III Cross Country Regional Championships, Seguin, TX

First Responder - November 2011

Texas Copperheads, Arena Football League, Cypress, TX

Assistant to the Athletic Trainer - Spring 2009

PROFESSIONAL SERVICE

University of South Carolina

Arnold School of Public Health

- Office of Diversity, Equity and Inclusion Diversity Fellow – 2022 to Present
- Scholastic Standards and Petitions Committee – 2020 to Present
- Anti-Discrimination Bystander Best Practices

Department of Exercise Science

- Interprofessional Education and Practice Committee – 2019 to Present
- Rehabilitation Science Doctoral Student Advising Committee – 2019 to Present
- Athletic Training Search Committee Chair for Clinical Assistant Professor – 2021-2022
- Athletic Training Committee Member & Affirmative Action Advocate for Clinical Assistant Professor - 2021
- Physical Therapy Director of Clinical Education Search Committee Member – 2020-2021

Athletic Training Program

- Athletic Training Committee – 2019 to Present
 - Classroom Remodel Coordinator – 2021 to Present
- Athletic Training Program Social Media Coordinator – 2019 to Present
- Professional and Post-Professional Admissions Committee – 2019 to Present

Indiana State University

Athletic Training Committee - 2015 to 2019

- Curriculum Development Committee: Master of Science in Athletic Training – 2018-2019
- Curriculum Development Committee: Bachelor of Science in Applied Medicine and Rehabilitation – 2017 to 2019
- Intensive Learning Simulation and Standardized Patient Session Coordinator– 2016 to 2019
- Interview Committee – 2015 to 2019
- NATA Alumni Event Coordinator – 2015 to 2018

Neuromechanics, Interventions, and Continuing Education Research (NICER) Laboratory – 2015 to 2019

- Lab Manager
 - Social Media Coordinator – 2015 to 2019

- Website curator (nicerlab.weebly.com) – 2015 to 2018
- Material bids for research supplies
- Inventory management and scheduling of lab space
- Assist with the Tactical Athlete Care Clinic sponsored by the Tactical Athlete Research & Education Center

Post-Professional Doctorate in Athletic Training Program – 2015 to 2019

- Curriculum and Instruction Designer
 - Planning of intensive focused learning sessions
 - Assessment of doctoral student presentations
 - Curated BOC evidence-based practice applications

African American Cultural Center – 2017 to 2019

- Mentor for the Mentoring Assistance for Productive Scholars (MAPS) Program

Anatomy Committee – 2015 to 2019

- Curriculum and Course Transformation Team, 2016

Journal Service

- Clinical Practice in Athletic Training – 2018 to Present
 - Senior Editorial Board – 2020 to Present
 - Section Editor – 2018 to 2020
 - Founding Managing Editor – 2018
- Athletic Training Education Journal – 2017 to Present
 - Editorial Board – 2022 to Present
 - Reviewer – 2017 to 2021
- Reviewer, International Journal of Athletic Therapy and Training – 2015 to Present
- Reviewer, Journal of Athletic Training – 2017 to Present
- Reviewer, International Journal of Environmental Research and Public Health – 2021 to Present
 - Invited Guest Editor for Special Issue on Patient-Centered Care in Sports Medicine - 2022
- Reviewer, Journal of Sport Rehabilitation – 2017 to 2021
- Reviewer, International Journal of Exercise Science – 2021
- Reviewer, Journal of Sports Medicine and Allied Health Sciences – 2021
- Reviewer, Journal of Pain Research - 2021
- Reviewer, Nutrition – 2020
- Reviewer, Journal of Interprofessional Care – 2020
- Reviewer, Quest – 2019
- Reviewer, Clinical Journal of Sports Medicine – 2017, 2018
- Reviewer, Sports Health - 2018
- Reviewer, Research in Sports Medicine – 2018

Professional Organizations and Committees

- Education Committee, Commission on Accreditation of Athletic Training Education (CAATE) - 2021 to Present
 - Liaison, Athletic Training Research Agenda Committee
 - Work Group Member for Educational Medical Documentation System
- Social Media Specialist, Association for Athletic Training Education (AATE) – 2019 to Present
 - Photoshoot Coordinator, AT Each Moment Campaign
- Public Relations Committee, South Carolina Athletic Trainers Association (SCATA) – 2020 to 2022
- Reviewer, NATA Convention Proposals – 2017, 2018, 2020
- NATA Best Practices in Virtual Clinical Education Workgroup – 2020
- Reviewer, NATA Foundation Research Grant - 2020
- Quiz Bowl Coordinator, Indiana Athletic Trainers Association – 2016 to 2019
- Moderator, Great Lakes Athletic Trainers Association Annual Meeting – 2016, 2019

- Reviewer, GLATA Free Communication Sessions Non-Certified Member Track - 2018
- Moderator, NATA Athletic Training Educators' Conference – 2017
- Athletics Trainers for Athletic Trainers Advocacy Project, Indiana State University – 2014 to 2016, 2018-2019
- Cadaver Anatomy Student Workshop Group Leader, NATA Annual Clinical Symposium – 2014, 2015
- Student Senate, Southwest Athletic Trainers Association - Applications Chair (2012-13), Treasurer (2011-12)

Community and Consulting Service

- Splynt, LCC – Telemedicine Consultant – 2020 to Present
 - Helped design and develop smart phone application for musculoskeletal injury assessments
 - Asynchronous educator via on-demand course
- Telemedicine Consultant in Athletic Training Education and Clinical Practice – 2020 to Present
 - Met with over 30 athletic training programs, clinics, and educators to discuss how to implement and assess telemedicine in their curriculum or clinical practice during the COVID-19 pandemic
 - Created virtual athletic training clinics to continue clinical education for professional athletic training programs
- Telemedicine Education and Research Consultant, The Addis Clinic – 2019

AWARDS AND RECOGNITIONS

Professional

- SCATA Palmetto AT Award for Excellence in Education Leadership – July 2022
- Nominee, NATA Foundation David H. Perrin Doctoral Dissertation Award – November 2021
- 2020 Athletic Training Education Journal Outstanding Original Research Manuscript – June 2021
- Finalist, NATA Foundation Free Communications Outstanding Doctoral Poster Presentation – June 2019
- Finalist, Great Lakes Athletic Trainers' Association Outstanding Free Communication Presentation – March 2019
- Indiana Athletic Trainers' Association Professional Excellence in Athletic Training Award - November 2018
- NATA Research and Education Foundation Doctoral Scholarship - June 2015
- Indiana Athletic Trainers' Association Post-Professional Scholarship - November 2014
- NATA Research and Education Foundation Undergraduate Scholarship - June 2012
- Southwest Athletic Trainers' Association Undergraduate Scholarship - July 2010
- Richmond Bone and Joint Clinic Student Athletic Trainer Scholarship - May 2009

University of South Carolina

- Graduate Chapter of South Carolina Athletic Training Association Appreciation Award – May 2022

Indiana State University

- Division of University Engagement Volunteer Hero Award – August 2018
- Jacob and Lydia Collicott Post-Graduate Scholarship – May 2018
- Bayh College of Education Dr. Marvin Henry Legacy Scholarship – April 2018
- College of Graduate and Professional Studies Research and Creativity Award – March 2018
- Department of Applied Medicine and Rehabilitation Graduate Student Award for Scholarship, Leadership, Service and Clinical Professionalism - May 2015
- College of Graduate and Professional Studies Outstanding Graduate Assistant - April 2015

Texas Lutheran University

- Honors Program – 2009 to 2013
- Pacesetter Award for College Excellence – 2009 to 2013
- Alpha Lambda Delta National Honor Society – 2009 to 2013

- Iota Tau Alpha National Athletic Training Honor Society, Beta Rho Chapter – 2011 to 2013
 - Chapter Founder and President - 2011
- American Southwest Conference All-Academic Athletic Trainer – 2011 to 2013
- Athletic Training Student of the Year – 2013

CERTIFICATIONS, MEMBERSHIPS AND PROFESSIONAL DEVELOPMENT

Certifications

- Board of Certification- Certified Athletic Trainer, 2000012813 - 2013 to Present
- South Carolina Certified Athletic Trainer, 2597 – 2019 to Present
- American Heart Association CPR/AED for Health Care Providers – 2009 to Present
- National Council for Mental Wellbeing Mental Health First Aid (Adult) – 2021 to 2024
- Illinois Licensed Athletic Trainer, 096004395 - 2016 to 2020
- Indiana Licensed Athletic Trainer, 36002123A – 2013 to 2019
- Myofascial Decompression Certification – 2015
- Graston Technique M1 Certification – 2014
- National Provider Identifier, 1265855100

Memberships

- National Athletic Trainers Association – 2009 to Present
- Mid-Atlantic Athletic Trainers Association – 2019 to Present
- South Carolina Athletic Trainers Association – 2019 to Present
- Association of Standardized Patient Educators – 2018 to 2020
- Great Lakes Athletic Trainers Association – 2013 to 2019
- Indiana Athletic Trainers Association – 2013 to 2019
- Association of Teacher Educators – 2018 to 2019
- Southwest Athletic Trainers Association – 2009 to 2013
- Greater Houston Athletic Trainers Society – 2007 to 2013

Continuing Professional Development

- University of South Carolina Office of Diversity, Equity Inclusive Excellence Institute – Spring 2022
- NATA Annual Clinical Symposium and AT Expo – 2013, 2014, 2015, 2017, 2018, 2019, 2020, 2022
- South Carolina Athletic Trainers Association Annual Meeting - 2022
- Great Lakes Athletic Trainers Association Annual Meeting and Symposium – 2015, 2016, 2017, 2018, 2019
- NATA Athletic Training Educators' Conference – 2017, 2019
- Indiana Athletic Trainers Association Symposium – 2014, 2015, 2016, 2017, 2018, 2019
- Commission on Accreditation of Athletic Training Education Accreditation Conference – 2018, 2019
- Thomas Jefferson University - Telemedicine: Conducting an Effective Physical Exam: 2020
- International Congress on Soldiers' Physical Performance – 2020
- Tactical Athlete Human Factors Summit - 2018
- Iowa Athletic Trainers Society Summer Meeting and Clinical Symposia - 2018
- International Ankle Symposium - 2015
- NATA Capitol Hill Day – 2013
- Greater Houston Athletic Trainers Society Workshop – 2007, 2008, 2009, 2010, 2012, 2013
- Southwest Athletic Trainers Association Annual Meeting – 2010, 2011, 2012