

Richelle M. Williams Ph.D., ATC

Department of Athletic Training
Drake University
2507 University Ave
Des Moines, IA 50311

College of Pharmacy and Health Sciences
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OBJECTIVE

- Please Note: Green text denotes new work performed since the previous annual academic evaluation.
- Please Note: Blue text denotes work performed since the original date of hire at Drake University as of July 1, 2019.
- Please Note: Black Text denotes work performed before hiring at Drake University.

EDUCATION

A.T. Still University- Mesa, AZ

Post-Doctoral Research Fellow- Clinical Outcomes Research

Research Areas- Improving patient-centered care following pediatric concussion, development of clinical outcome measures

University of Michigan- Ann Arbor, MI

Doctor of Philosophy- Kinesiology

Cognate- Concussion biomechanics, Electrophysiology

Research Area- The effects of concussive and sub-concussive head impacts on brain activity

A.T. Still University- Mesa, AZ

Master of Science- Athletic Training

CAATE Accredited Post-Professional Athletic Training Program

Research Area: Academic Accommodation Following Sports-Related Concussions of Adolescents for Secondary School Athletic Trainers

San Diego State University- San Diego, CA

Bachelor of Science- Kinesiology

Cognate- Athletic Training; CAATE Accredited Curriculum

PROFESSIONAL EXPERIENCE

Drake University, Des Moines, IA

Department of Athletic Training

Assistant Professor

2019- Present

A.T. Still University

Department of Athletic Training, Department of Kinesiology,

Department of Doctor of Health Sciences

Adjunct Assistant Professor

2015-2020

A.T. Still University

Department of Research Support- Mesa, AZ

Post-Doctoral Research Fellow

2016-2018

Graduate Research Assistantships

- University of Michigan- NeuroTrauma Research Laboratory -Ann Arbor, MI	2013-2016
- A.T. Still University- Mesa, AZ	2011-2013
- A.T. Still University- American Osteopathic Association Low Back Pain Study	2012-2013
- A.T. Still / University of North Carolina Concussion Education in Youth Sports Collaborative	2013
- Datalys Center for Sports Injury Research and Prevention- Gilbert Pop Warner Football League	2012

Athletic Trainer

University of Michigan- Father Gabriel Richard	2013-2016
Highland High School, Gilbert, AZ	2011-2012
St. Joseph's Hospital- Volunteer/ Observation B.R.A.I.N.S clinic, Phoenix AZ	2012

EVIDENCE OF TEACHING ACTIVITY

DRAKE UNIVERSITY

Doctor of Occupational Therapy Program

- OTD 248 Research II
- OTD 228 Research I

Master of Athletic Training Program

** Courses were developed as part of the implementation of the MAT program

- ATHL 252 Management of Injuries I*
- ATHL 271 Healthcare Policy*
- ATHL 275 Patient-Centered Approach to Quality Healthcare*
- ATHL 150/205 Advanced Topics in AT*
- ATHL 280 Research*
- ATHL 251 Orthopedic Evaluation and Rehabilitation I*

College of Education- Online

- EDMA 262 Concussion in Sport

A.T. STILL UNIVERSITY

Doctor of Health Sciences

- DHSC 8020 Research Methods, Design and Analysis
- DHSC 8021 Literature Review

Department of Kinesiology

- KINE 5000 EBP and Research Methods

Doctor of Athletic Training Program

- ATRN 7110 Quality Improvement and Patient Safety
- ATRN 7130 Patient-Oriented Outcomes
- ATRN 8120 Athletic Injury Epidemiology (Teaching Fellow)
- ATRN 8110 Comparative Effectiveness Research (Teaching Fellow)

Post-Professional Athletic Training Program

- ATRN 7111 Quality Improvement and Patient Safety (Teaching Fellow)
- ATRN 7130 Patient-Oriented Outcomes (Teaching Fellow)
- ATRN 812 Traumatic Brain Injury in Sport
- Anatomy Lab Workshops (Teaching Fellow)

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-
- National Athletic Trainers Month- High School Workshop (Teaching Fellow)

UNIVERSITY OF MICHIGAN

Department of Human Movement

- MOVESCI 231 Human Musculoskeletal Anatomy

RESEARCH MENTORSHIP

DOCTOR OF ATHLETIC TRAINING STUDENTS

- Miller A. The Implementation of Patient Reported Outcome Measures in Secondary School Setting. *ATSU* (2018)
- Hampton S. Documentation Issues in the Independent Contract Setting of Athletic Training. *ATSU* (2018)
- Russell H. Implementing a Monthly Debriefing Meeting to Improve Quality of Life for Athletic Trainers in the Secondary School Setting. *ATSU* (2018).

POST-PROFESSIONAL MASTER OF ATHLETIC TRAINING STUDENTS

- Elmer C. Competitive Gymnasts Perceptions of Activity Limitations Using the PSFS. *ATSU* (2017)
- Allen A. Epidemiology of Secondary School Boys' and Girls' Basketball Injuries. *ATSU* (2017)
- Beermann L. Epidemiology of Low Back Injuries Suffered by Secondary School Athletes. *ATSU* (2017)
- Boron- Mugulick A. Critical Appraisal Topic: In Pediatric patients suffering from MTBI, is there a long-term impact on HRQOL. *ATSU* (2018)
- Krumholtz M. The effects of Sports Vision Training on Central and Peripheral Reaction Time in High School Football Athletes. *ATSU* (2019)
- Gray H. Establishing Reliability of a Reaction Time Testing Battery in High School Athletes. *ATSU* (2019)

DOCTOR OF OCCUPATIONAL THERAPY STUDENTS

- Mae Hardie, Jessica Potter, Jenna Mullen, Sami Pick, Kevin Ockenfels Parent/Legal Guardians' Perceptions of Community Mobility for Teens (13-19 years) and Young Adults (20-29 years) with Autism Spectrum Disorder (ASD). Drake University. (2023)
- Haley Austin, Jessica Cartee, Radie Hain, Lauren Lerner, Rachel Stafford. Evaluation of Stakeholders' Needs for Development of a Driver Rehabilitation Program. Drake University (2023)

PROFESSIONAL MASTER OF ATHLETIC TRAINING STUDENTS

- Davidson B. Assessment of Concussion Knowledge, Attitudes, and Behaviors, and the Impact of Age Among Adolescent Female Club Soccer Athletes. Drake University (2022)
- Malau O. Development of a Concussion Return to Play protocol for Track and Field Athletes. Drake University (2022)
- Timmons N. The use of synthetic ankle models in athletic training education prepares students for patient scenarios: a pilot study. Drake University (2022)
- Weiland K. Reliability of ankle simulation models. Drake University (2022)
- Roush C. Helmet Type and Concussion Prevention Rates. Drake University (2023)
- Atwater T. Concussion recognition between contact and non contact athletes. Drake University (2023)

UNDERGRADUATE STUDENT RESEARCH PROJECT

- Hill C. College/ University educators knowledge and understanding of academic accommodation following concussion in students. (2022/2023)

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- Anglim M. Concussion knowledge and education in youth club soccer players. Senior Capstone. Drake University (2021/2022)
- Buie A. Persistent Symptoms and Management of Concussions sustained during college athletics. Senior Capstone. Drake University (2020/2021)
- Johnson M. Concussion Knowledge of Drake Athletes. Honors Thesis. Drake University (2019/2020)
- Sigourney R. Cognitive Rest and Physical Activity Following Concussion. Honors Thesis. University of Michigan (2016)
- McKeiver T. Cognitive Rest and physical Activity Following Concussion. Honors Thesis. University of Michigan (2016)
- Sosnowski. Jump-Cut and Concussion History. Senior Project. University of Michigan (2015)

EVIDENCE OF ACHIEVEMENT IN SCHOLARLY ACTIVITY

PEER-REVIEWED JOURNAL PUBLICATIONS

1. Davidson B, Anglim M, **Williams RM**. Assessment of Concussion Knowledge, Attitudes, and Behaviors and the Impact of Age Among Adolescent Female Club Soccer Athletes. *International Journal of Athletic Therapy Today*. [In press].
2. Davidson B, **Williams RM**, Rogers, S. Case Study: Effects of Social Determinants of Health and Diabetes on a Lower Extremity Workplace Injury. *Journal of Clinical Practice in Athletic Training*. [In Press]
3. **Williams RM**, Anglim M, Ferguson M. Secondary School Coaches' Perceptions of Sport-Related Concussions: A Qualitative Approach. *Internet Journal of Allied Health Sciences and Practice*. [In Press]
4. Valovich McLeod TC, Di Santi J, **Williams RM**, Welch Bacon CE. Adolescent Athletes' Social Perspectives Following a Sport-Related Concussion. *Internet Journal of Allied Health Sciences and Practice*. 2022.20(4).
5. **Williams RM**, Huxel Bliven KC, Morris SN, Chandran, A, Snyder Valier AR. Non- Time Loss and Time Loss Injuries in Secondary School Girls' Volleyball Athletes: A Report from the National Athletic Treatment Injury, and Outcomes Network. *Journal of Sports Rehabilitation*. 2022 Feb 23;1-8. doi: 10.1123/jsr.2021-0269. Online ahead of print.
6. **Williams RM**, Kuhl NK, Kjos AL. Enhancing Professional Identity in A Multidisciplinary Healthcare Systems and Policy Course: A Framework. *New Directions for Teaching and Learning*. Special Issue. 2021. 168:47-58. <https://doi.org/10.1002/tl.20467>
7. **Williams RM**, Root HJ, Valovich McLeod TC. Athletic Administrators' Reporting of Emergency Preparedness Regarding Policies and Procedures in [State] Secondary Schools. *Journal of Athletic Training*. 2021.56(11):1224-1231. doi: 10.4085/1062-6050-0494.20.
8. Gray HN, **Williams RM**, Valovich McLeod TC, Bay RC. Establishing Reliability of a Reaction Time Testing Battery in High School Athletes. *Athletic Training and Sports Health Care*. 2021.(13)4. <https://doi.org/10.3928/19425864-20200310-01>

9. **Williams RM**, Johnson RS, Valier AR, Bay RC, Valovich McLeod TC. The Impact of Concussion on Health-Related Quality of Life as Measured by the Patient-Reported Outcome Measures Information Systems in Adolescent Athletes. *Journal of Sports Rehabilitation*. 2020. 30(4).545-551. <https://doi.org/10.1123/jsr.2019-0517>.
10. Allen AN, Wasserman E, **Williams RM**, Simon J, Dompier T, Kerr Z, Snyder Valier AR. Epidemiology of Secondary School Boys' and Girls' Basketball Injuries: National Athletic Treatment, Injury, and Outcomes Network. *Journal of Athletic Training* 2019;54(11):1179–1186. Doi: 10.4085/1062-6050-330-18
11. **Williams RM**, Welch Bacon CE, Kucera K, Valier AR. Athletic Trainers' Knowledge of The Appropriate Care of Spine Injured Athletes. *Athletic Training and Sports Healthcare*. 2019.;11(6):288-296. doi:10.3928/19425864-20190218-01
12. Snyder Valier AR, Welch Bacon CE, Kucera K, **Williams RM**. Implementation Science: Lessons Learned from Recommendation for Care of Spine Injured Patients. *Journal of Athletic Training*. 2019.54(2)192-197. doi: 10.4085/1062-6050-242-17.
13. **Williams RM**, Bay RC, Valovich McLeod TC. The Relationship between Post-Injury Symptomatology and Days Post-Injury for the Graded Symptom Scale in Concussed Adolescent Athletes. *International Journal of Athletic Training and Therapy*. DOI: 10.1123/ijatt.2018-0029
14. Register-Mihalik JK, **Williams RM**, Marshall SW, Linnan LA, Mihalik JP, Guskiewicz KM, Valovich McLeod TC. (2018). Demographic, parental, and personal factors influence youth athletes' concussion-related knowledge and beliefs. *Journal of Athletic Training*. 2018.53(8)768-775.
15. Dunn KL, Bay RC, Cardenas JF, Anastasi M, Valovich McLeod TC, **Williams RM**. The Reliability of the Sway Balance Application Across Age Groups. *International Journal of Athletic Training and Therapy*. 2018.23(2): 69-72. <https://doi.org/10.1123/ijatt.2016-0114>
16. Valovich McLeod TC, Shepard LI, Bay RC, **Williams RM**. Concussion History and Future Concussions are Increased Among Students with Self-Reported Learning Disability and Attention Deficit Hyperactivity Disorder. *Athletic Training and Sports Healthcare*. 2018. (10)2:64-68. <https://doi.org/10.3928/19425864-20170815-01>
17. Kay MC, Register-Mihalik JK, Ford CB, **Williams RM**, Valovich McLeod, TC. Parents' and Child's Concussion History as a Predictor of Parental Attitudes and Knowledge of Concussion Recognition and Response. *Orthopedic Journal of Sports Medicine*. 2017 Dec 8;5(12) doi: 10.1177/2325967117742370.
18. **Williams RM**, Rice T, Lam KC, Valovich McLeod TC. A Cross-sectional Study of Age Differences and Postural Control Using the Stability Evaluation Test (SET). *International Journal of Athletic Training and Therapy*. 2017. 22(5)39-43. <https://doi.org/10.1123/ijatt.2016-0095>.
19. Broglio SP, **Williams RM**, Rettmann AN, Moore B, Eckner J, Meehan SK. No seasonal changes in cognitive functioning among high school athletes: implementation of a novel electrophysiological measure and standard clinical measures. *Clinical Journal of Sports Medicine*.2018.28(2)130.138
20. Broglio SP, **Williams RM**, Lapointe A, Rettmann AN, Moore B, Meehan S, Eckner JT. Brain networking technology does not assist with concussion diagnosis and return to play in football athletes. *Frontiers Neurology*. 2017.8:252. doi: 10.3389/fneur.2017.00252.

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21. **Williams RM**, Corvo MA, Lam KC, Williams TA, Gilmer LK, Valovich McLeod TC. Test-Retest Reliability and Practice Effects of the Stability Evaluation Test. *Journal of Sports Rehabilitation*. 2017 Jan 17:1-13. doi: 10.1123/jsr.2016-0163.
22. Broglio SP, **Williams RM**, O'Connor KL, Goldstick J. Football head impact exposure reduced subsequent to limiting full-contact session days. *Journal of Athletic Training*.2016;51(7):511-518. [Kenneth Knight Award Winner]
23. **Williams RM**, O'Connor KL, Dowling M. Head impact measurement devices: A clinical review. *Sports Health*.2016.8(3)270-273.PMID:27060184.
24. **Williams RM**, Puetz T, Giza C, Broglio SP. Meta-Analysis: Concussion recovery difference between high school and college athletes. *Sports Medicine*. 2015.45(6)893-903. DOI 10.1007/s40279-015-0325-8
25. Broglio SP, Collins MW, **Williams RM**, Mucha A, Kontos A. Current and emerging rehabilitation for concussion: A review of the evidence. *Clinics in Sports Medicine*.2015;24.213-231.
26. **Williams RM**, Welch CE, Parsons JT, Valovich McLeod TC. Athletic Trainers' Familiarity with and Perceptions of Academic Accommodations Following Sport-Related Concussion. *Journal of Athletic Training*.2015;50(3):262-269.
27. **Williams RM**, Valovich McLeod TC, Register-Mihalik JK, Mihalik JP, Marshall SW, Linnan LA, Guskiewicz KM. A preliminary study of helmet fit characteristics and knowledge. *Athletic Training and Sports Health Care*. 2014;6(5):206-212. <https://doi.org/10.3928/19425864-20140916-05>
28. **Williams RM**, Welch CE, Weber ML, Parsons JT, Valovich McLeod TC. Athletic Trainers' Management Practices and Referral Patterns for Adolescent Athletes Following Sport-Related Concussion. *Sports Health*. 2014; 6(5):434-439. DOI: 10.1177/1941738114545612
29. **Mayfield RM**, Bay RC, Valovich McLeod TC. Post-Concussion Deficits Measured by the Sport Concussion Assessment Tool 2 (SCAT2) Among Interscholastic Athletes. *Athletic Training and Sports Health Care*.2013;5(6):265-271. <https://doi.org/10.3928/19425864-20131017-01>

PEER-REVIEWED MANUSCRIPTS IN REVIEW

1. Hove K, **Williams RM**. Current Practice of Accredited Occupational Therapy Programs Implementation of Sport-Related Concussion Curriculum. *Journal of Occupational Therapy Education*. [In Review]
2. Kjos A, Tarfa A, **Williams RM**, Jackson L. Impact of Teaching Social Determinants of Health on Professional Identity Formation in the Health Professions. *American Journal of Pharmaceutical Education* [In Review]
3. Pardini JE Hattrup N, Shapiro M, **Williams RM**. Athletic Trainers' Current Concussions Baseline Practice Patterns. *Journal of School Health* [In Review].

PEER-REVIEWED MANUSCRIPTS IN PREPARATION

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Williams RM, Yeomans C, Wilson F. Current Knowledge and Attitudes of Concussion Injury Prevention Strategies in Irish Rugby: A qualitative paper. *Journal of Science and Medicine in Sport*. [In preparation]

Yeomans C, **Williams RM**, Wilson F. Effectiveness of Education Strategies for Prevention of Concussion: A systematic Review. *Journal of Science and Medicine in Sport* [In preparation]

NON-REFERRED PUBLICATIONS

Williams RM, Eskew S, Valovich McLeod TC. Effectiveness of Sports Vision Training on Concussion Prevention. Clinical Bottom Line. *NATANews*. September 2018.

Mayfield RM, Valovich McLeod TC. Comparison of Current Consensus Guidelines Regarding Sport-Related Concussion Clinical Bottom Line. *NATANews*. July 2013.

TEXTBOOKS

Williams RM, Valovich McLeod TC. Which medical professionals should be part of my concussion management team? *Quick Questions in Sport-Related Concussion*. Edited by Valovich McLeod TC. 2015. Thorofare, NJ: Slack Incorporated.

Williams RM, Valovich McLeod TC. Should concussions in children and adolescents be managed differently than adults? *Quick Questions in Sport-Related Concussion*. Edited by Valovich McLeod TC. 2015. Thorofare, NJ: Slack Incorporated.

Williams RM, Valovich McLeod TC. How are educational accommodations determined and who should be part of that decision-making process? *Quick Questions in Sport-Related Concussion*. 2015. Edited by Valovich McLeod TC. Thorofare, NJ: Slack Incorporated.

Parsons JT, **Williams RM**. What school policies/procedures apply to concussed student-athletes who are attempting to return to the classroom? *Quick Questions in Sport-Related Concussion*. 2015. Edited by Valovich McLeod TC. Thorofare, NJ: Slack Incorporated

PEER-REVIEWED ABSTRACTS IN REVIEW

PEER-REVIEWED ABSTRACTS / PRESENTATIONS

Williams RM, Hill C, Iiams A, Matic M, Rogers S, Gnacinski SL. Examining the Relationship Between Concussion History and Dynamic Balance in Police Officers. *Submitted to the 2023 NATA Annual Symposium*. Indianapolis, IN, June 2023. [**Accepted for Poster Presentation**]

Williams RM, Yeomans C, Wilson F. Current Knowledge and Attitudes of Concussion Injury Prevention Strategies in Irish Rugby. *Submitted to the 14th Biennial World Congress on Brain Injury*. Dublin, Ireland, March 2023. [**Accepted for Poster presentation**]

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Yeomans C, **Williams RM**, Wilson F. Effectiveness of Education Strategies for Prevention of Concussion. Submitted to the 14th Biennial World Congress on Brain Injury. Dublin, Ireland, March 2023 [**Accepted for Rapid Fire Presentation**]

Stafford R, Lerner L, Cartee J, Austin H, Hain R, Hove KD, **Williams RM**. Investigating community needs for Driver Rehabilitation and Barriers to Service Utilization and Program Development. Submitted to 2023 AOTA Annual Meeting, April 2023. [**Accepted for poster presentation**]

Hove KD, Stafford R, Lerner L, Cartee J, Austin H, Hain R, **Williams RM**. Evaluation of Driver Rehabilitation Stakeholder's Perceived Needs and Barriers. Submitted to 99th ACRM Annual Conference, November 2022. [**Accepted for Poster Presentation**]

Williams RM, Carlson K, Johnson MN. College Athletes' Persistent Symptoms and Knowledge Patterns Following Sport-Related Concussions. Submitted to the 6th International Consensus Conference on Concussion in Sport. Amsterdam, Netherlands, October 2022. [**Accepted for poster presentation**].

Hattrup N, **Williams RM**, Shapiro M, Pardini JE. K-12 athletic trainers' perceptions of concussion education patterns for athletes, parents, and coaches. Submitted to the 6th International Consensus Conference on Concussion in Sport. Amsterdam, Netherlands, October 2022 [**Accepted for poster presentation**]

Lerner L, Stafford R, Cartee J, Austin H, Hain R, Hove KD, **Williams RM**. Evaluating Community Needs and Barriers in Driver Rehabilitation Services and Program Development. Submitted to 2023 IOTA Annual Meeting. October 2022. [**Accepted for poster presentation**]

Ingram BM, Kossman MK, Callahan CE, **Williams RM**, Woods AN, Gildner P, Kerr ZY, Register-Mihalik JK. A Qualitative Study of Factors and Perceptions Impacting Concussion Care Among Collegiate Club Sport Athletes. Submitted to 2022 National Athletic Trainers Annual Symposium. June 2022, Philadelphia, PA [**Accepted for rapid fire presentation**]

Williams RM, Hattrup N, Pardini JE, Shapiro M. K-12 Athletic Trainers' Current Concussions Baseline Practice Patterns. Submitted to 2021-2022 PRISM Annual Meeting. Jan 2022. Houston, Texas. [**Accepted for poster presentation**]

Williams RM, Anglim M, Ferguson M. Secondary School Coaches' Perceptions of Sport-Related Concussions: A Qualitative Approach. Submitted to 2022 Mid America Athletic Trainers Annual Meeting. March 2022. La Vista, NE. [**Accepted for poster presentation**]

Davidson B, **Williams RM**. Assessment of concussion knowledge, attitudes and behaviors and the impact of age among adolescent female club soccer athletes. Submitted to 2021 Iowa Athletic Trainers Society Annual meeting, June 4, 2021 [**Accepted for poster presentation**]

Anglim M, **Williams RM**. Differences in concussion education, knowledge, behaviors and access in Nebraska and Iowa female adolescent soccer players. Submitted to 2021 DUCURS. April 8, 2021 [**Accepted for poster presentation**]

Williams RM, Newman N, Brady MP. Athletic Training Students' Exposure to, Comfort with and Perceptions of High-Fidelity Patient Simulation Manikins in Athletic Training Education: A Pilot Study. Submitted to the 2021 National Athletic Trainers Associations Annual Symposium. June 2021. Orlando, Florida. [**Accepted for presentation**]

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Brady MP, Timmons N, **Williams RM**. Pre-Athletic Training Students' Confidence, Skills, and Anxiety with Ankle Simulation Models: A Pilot Study. *Submitted to the 2021 National Athletic Trainers Associations Annual Symposium. June 2021. Orlando, Florida. [Accepted for presentation]*

Timmons N, Brady MP, **Williams RM**. The use of synthetic ankle models in athletic training education prepares students for patient scenarios: a pilot study. *Submitted to the 2020 Virtual Des Moines University Research Symposium. December 3, 2020. [Accepted for poster presentation]*

Williams RM, Johnson RS, Snyder Valier AR, Bay RC, Valovich McLeod TC. Evaluating Multiple Domains of Health in High School Athletes with Sport-Related Concussion. *Submitted to the 6th International PROMIS Conference. Virtual October 2020. [Accepted for Virtual Poster Presentation]*

Huxel Bliven KC, Snyder Valier AR, Morris SN, **Williams RM**. Non- Time Loss and Time Loss Injuries in Secondary School Girls' Volleyball Athletes: A Report from the National Athletic Treatment Injury, and Outcomes Network. *Submitted to the National Athletic Trainers Association Annual Symposium. July 2020. [Accepted for Virtual Presentation].*

Williams RM, Welch Bacon CE, Snyder Valier AR, Lewis JH, Bay RC, Picha KJ. Athletic Trainers' Perceptions of Social Determinants of Health. *Submitted to the Virtual National Athletic Trainers Association Annual Symposium. July 2020 [Accepted for Virtual Presentation].*

Gray H, **Williams RM**, Valovich McLeod TC. Establishing Reliability of the Dynavision D2 Reaction Test in Female Adolescent Athletes. *Submitted to the National Athletic Trainers Association Annual Symposium. Las Vegas, NV, June 2019 [Accepted for Presentation].*

Gray H, **Williams RM**, Valovich McLeod TC. Establishing Reliability of the Dynavision D2 Reaction Test in Female Adolescent Athletes. *Submitted to the Rocky Mountain Athletic Trainers Association Annual Symposium. Phoenix, AZ, March 2019 [Accepted for Presentation].*

Valovich McLeod TC, **Williams, RM**, Snyder Valier AR, Root HJ, Lam KC, Bay RC. The Development and Readability of the Concussion Quality of Life Scale- Youth for Assessing Health-Related Quality of Life Following Sport-Related Concussion. *Submitted to the Pediatric Research Institute of Sports Medicine Annual Meeting, January 2019. [Accepted for Presentation] Award Winner**

Valovich McLeod TC, Bay RC, Gray H, **Williams RM**. Measurement properties of the Dynavision D2 One-Minute Drill Task in Active Adolescents. *Submitted to the American Academy of Neurology Concussion Conference. Indianapolis, IN, July 2018. [Accepted for presentation]*

Lapoint AP, Vokulich P, **Williams RM**, Rettman AN, Broglio SP. The effect of one season of football exposure on quality-of-life measures. *Submitted to the 208 Sports Neuropsychology Society Symposium. Washington, DC. [Accepted or poster presentation]*

Ritter KG, Richter SD, **Williams RM**, Thatcher A, Huxel Bliven KC, Valier Snyder, AR, Wasserman EB. Epidemiology of Gymnastic Injuries Sustained by Female Secondary School Athletes: A Report from the National Athletic Treatment, Injury, and Outcomes Network. *Journal of Athletic Training*.2018, Vol. 53, No. 6s, pp. S-105. **[Accepted for oral presentation]**

Huxel Bliven KC, Snyder Valier AR, Wasserman EB, **Williams RM**. Epidemiology of Secondary School Girls' Volleyball Injuries: A Report from the National Athletic Treatment, Injury, and Outcomes Network (201) Supplement. *Journal of Athletic Training*.2018. Vol. 53, No. 6s, pp. S-106. **[Accepted for oral presentation]**

Snyder Valier AR, Welch Bacon CE, Kucera KL, **Williams RM**. College athletic trainers' use of Recommendations for Acute Care of Spine Injured Patients. (2018) Supplement. *Journal of Athletic Training*.2018, Vol. 53, No. 6s, pp. S-315. **[Accepted for poster presentation]**

Thatcher A, Snyder Valier AR, **Williams RM**. Evaluation of Core Strength and Fitness Exercises in Xcel Competitive Youth Gymnasts. (2018) Supplement. *Journal of Athletic Training*.2018Vol. 53, No. 6s, pp. S-36. **[Accepted for poster presentation]**

Root HJ, Snyder Valier AR, Kucera KL, Welch Bacon CE, **Williams RM**. Arizona athletic trainers' awareness and knowledge of the Executive Summary consensus recommendations on the appropriate care of spine injured athletes. (2018) Supplement. *Journal of Athletic Training*.2018, Vol. 53, No. 6s, pp. S-241. **[Accepted for poster presentation]**

Williams RM, Welch Bacon CE, Kucera KL, Snyder Valier AR. Secondary school athletic trainers' influential factors and barriers to implementation of the Executive Summary consensus recommendations on the appropriate care of spine injured athletes. *Journal of Athletic Training*.2018, Vol. 53, No. 6s, pp. S-211. **[Accepted for rapid-fire presentation]**

Hussey M, Huxel Bliven KC, Valier AR, **Williams RM**, Lam KC. Clinical Evaluation Findings of Common Knee Conditions: A Report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*.2017;52(6, Supplement):S-225. **[Accepted for Poster Presentation]**

Huxel Bliven KC, Lam KC, **Williams RM**, Valier AR. Clinical Evaluation Findings of Common Shoulder Conditions: A Report from the Athletic Training Practice-Based Research Network. *Journal of Athletic Training*.2017;52(6, Supplement):S-185. **[Accepted for Oral Presentation]**

Beermann LE, Wasserman EB, **Williams RM**, Simon JE, Dompier TP, Kerr ZY, Valier AR. Epidemiology of Low Back Injuries Suffered by Secondary School Athletes: A Report from the National Athletic Treatment, Injury, and Outcomes Network. *Journal of Athletic Training*.2017;52(6, Supplement):S-181. **[Accepted for Presentation]**

Allen AN, Wasserman EB, **Williams RM**, Simon JE, Dompier TP, Kerr ZY, Valier AR. Epidemiology of Secondary School Boys' and Girls' Basketball Injuries: A Report from the National Athletic Treatment, Injury, and Outcomes Network. *Journal of Athletic Training*.2017;52(6) Supplement:S-48. **[Masters Award Finalist]**

Welch Bacon CE, **Williams RM**, Johnson RS, Valovich McLeod TC. The Use of Academic Adjustments Following Concussion Among Adolescent Athletes. *Journal of Athletic Training*. 2017;52(6, Supplement):S-173. **[Accepted for Presentation]**

Valovich McLeod TC, Johnson RS, **Williams RM**, Valier AR. Adolescent Athletes' Perceptions of Activity Limitations Following Sport-Related Concussion. 2017;52(6, Supplement):S-172. **[Accepted for Presentation]**

Valier AR, **Williams RM**, Overlin A, Cozzi A, Welch Bacon CE. Recreational and Competitive Athletes' Perceptions of Functional Activity Limitations Using the Patient Specific Functional Scale Following Orthopedic Injury. *Journal of Athletic Training*.2017;52(6, Supplement):S-158. **[Accepted for Presentation]**

Elmer CK, **Williams RM**, Welch Bacon CE, Overlin A, Valier AR. Competitive Gymnasts' Perceptions of Activity Limitations Using the Patient Specific Functional Scale Following Orthopedic Injury. *Journal of Athletic Training*. 2017;52(6, Supplement):S-191. **[Accepted for Presentation]**

Williams RM, Johnson RS, Bay RC, Valier AR, Valovich McLeod TC. The Impact of Concussion on Health-Related Quality of Life as Measured by the Patient Reported Outcome Measures Information Systems in Adolescent Athletes. *Journal of Athletic Training*. 2017;52(6, Supplement):S-200. **[Accepted for Presentation]**

Hixon KM, **Williams RM**, Johnson RS, Valovich McLeod TC. Clinical Presentation, Concussion Management and Return-to-Play Practices of Secondary School Athletic Trainers Between 2013-2015. *Journal of Athletic Training*. 2017;52(6, Supplement):S-77. **[Accepted for Presentation]**

Kay MC, Register-Mihalik JK, **Williams RM**, Valovich McLeod TC. Influence of Parent and Child Concussion History on Parental Knowledge and Attitudes of Concussion. *Submitted to the 2017 ACSM Annual Meeting, Denver, CO*. **[Accepted for Presentation]**

Kay MC, **Williams RM**, Valovich McLeod TC, Register-Mihalik JK. Concussion knowledge, attitudes, and perceived level of involvement by American youth sport coaches in concussion management. *Submitted to the 2016 International Consensus Conference on Sport-Related Concussion, Berlin, Germany*. **[Accepted for Presentation]**

Williams RM, Broglio SP, Rettmann AN. No negative ERP changes present following repeated head impacts during a season of American football. *Submitted to the 2016 International Consensus Conference on Sport-Related Concussion, Berlin, Germany*. **[Accepted for presentation, withdrawn due to not able to attend]**

Welch Bacon CE, Weber ML, Kay MC, **Williams RM**, Valovich McLeod TC. Comparison of health care professionals' perceptions and familiarity of academic adjustments for adolescents following a concussion. *Journal of Athletic Training*. 2016; 51:6. Supplement. **[Accepted for presentation]**

Broglio SP, **Williams RM**, O'Connor KL. The effect of restricting full contact football practice on repeated head impact exposure. *Submitted to the 2016 ACSM Annual Meeting, Boston, MA*. **[Accepted for presentation]**

Dowling MM, **Williams RM**, O'Connor KL, Broglio SP. No significant cognitive changes following a season of high school soccer. *Submitted to the 2016 ACSM Annual Meeting, Boston, MA* **[Accepted for presentation]**.

Williams RM, Westfall D, O'Connor KL, Rettmann AN, Hillman C, Broglio SP. Pre and post season ERP changes following sub-concussive head impacts during a season of high school football and the comparison to non-contact controls. *2015 AAN Sport Concussion Conference, Denver, CO*. **[Accepted for presentation]**

Cozzi AL, Welch CE, **Williams RM**, Weber ML, Bujold E, Valovich McLeod TC. Physicians' Concussion Management and Referral Patterns for Adolescent Athletes Following Sport-Related Concussion. *Submitted to the 2015 RMATA Symposium*. **[Accepted for presentation]**

McLeod I, Welch CE, **Williams RM**, Valovich McLeod TC. The Impact of Employment Model on Athletic Trainers' Concussion Management Practices in the Secondary School Setting. *Journal of Athletic Training*. 2015; 47:5. Supplement. **[Accepted for presentation]**

Cozzi AL, Welch CE, **Williams RM**, Weber ML, Bujold E, Valovich McLeod TC. Physicians' Concussion Management and Referral Patterns for Adolescent Athletes Following Sport-Related Concussion. *Journal of Athletic Training*. 2015; 47:5. Supplement. **[Accepted for presentation]**

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Weber ML, Welch CE, **Williams RM**, Bujold E, Valovich McLeod TC. Physicians' Familiarity and Perceptions of Academic Accommodations for Adolescent Athletes Following Sport-Related Concussion. *Journal of Athletic Training*. 2015; 47:5. Supplement. [Accepted for presentation]

Register-Mihalik JK, Valovich McLeod TC, **Williams RM**, Linnan LA, Mihalik JP, Marshall SW, Guskiewicz KM. Effect of viewing a concussion education video followed by in-person reinforcement on parents' concussion knowledge. *2015 National Athletic Trainer' St. Louis, MO*. [Accepted for Rapid Fire presentation]

Register-Mihalik JK, Valovich McLeod TC, **Williams RM**, Linnan LA, Mihalik JP, Marshall SW, Guskiewicz KM. Concussion Education Video Exposure Does Not Significantly Improve Youth Athlete Concussion Knowledge. *Medicine and Science in Sports and Exercise*. 2015; 47:5 Supplement. [Accepted for Poster Presentation].

Williams RM, Rettmann AR, Almeida AA, Broglio SP. Relationship between High School football and neurocognitive changes. *Medicine and Science in Sports and Exercise*. 2015; 47:5 Supplement. [Accepted for presentation]

Mayfield RM, Rettmann AN, Moore BK, Kutcher J, Broglio SP. Sub-concussive head impact monitoring and the relationship with cognitive functioning. *2014 American Academic of Neurology Annual Concussion Conference, Chicago, IL. July 2014*. [Accepted for presentation]

Minthorn LM, Welch McCarty C, Weber ML, **Mayfield RM**, Valovich McLeod TC. The collaborative relationship between athletic trainers and school nurses for managing sport-related concussion. *2014 RMATA Annual Meeting, Provo, Utah, April 2014*. [Accepted for presentation]

Register-Mihalik JK, Guskiewicz KG (FACSM), Valovich McLeod TC, **Mayfield RM**, Linnan LA, Mihalik JP, De Maio VJ, Marshall SW. Influence of demographic factors and concussion history on concussion knowledge among youth athletes. *2014 ACSM Annual Meeting, Orlando, Florida, May 2014*. [Accepted for presentation]

Williams TA, Corvo MA, **Mayfield RM**, Gilmer LK, Lam KC, Valovich McLeod TC. Test-retest reliability and learning effects of the Stability Evaluation Test. *Journal of Athletic Training*. 2014;49 (3-Supplement):S-161. [Master's Poster Award Finalist]

Kay MC, Welch McCarty C, Weber ML, **Mayfield RM**, Parsons JT, Valovich McLeod TC. The comparison of athletic trainers' and school nurses' familiarity and perceptions of academic accommodations following sport-related concussion. *Journal of Athletic Training*. 2014;49 (3-Supplement):S-144. [Accepted for presentation]

Minthorn LM, Welch McCarty C, Weber ML, **Mayfield RM**, Valovich McLeod TC. The collaborative relationship between athletic trainers and school nurses for managing sport-related concussion. *Journal of Athletic Training*. 2014;49 (3-Supplement):S-140. [Accepted for presentation]

Mayfield RM, Rettmann AN, Moore BK, Broglio SP. Health Related Quality of Life declines from pre-season to mid-season in high school football athletes. *Journal of Athletic Training*. 2014;49 (3-Supplement):S-94. [Accepted for presentation]

Register-Mihalik JK, Valovich McLeod, TC, Marshall, SW, **Mayfield RM**, Linnan LA, Mihalik JP, De Maio, VJ, Guskiewicz KG. Influence of Demographic Factors and Personal Concussion History on Concussion Knowledge and Attitudes among Parents of Youth Athletes. *Journal of Athletic Training*. 2014;49 (3-Supplement):S-142. [Accepted for presentation]

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Register-Mihalik JK, Marshall SW, Linnan LA, McLeod TC, Mihalik JP, **Mayfield RM**, Guskiewicz KM. Post-concussion care-seeking for children injured in youth sport: The role of parents' knowledge and attitudes. *2014 American Public Health Association's Annual Meeting*. [Accepted for presentation]

Rice T, **Mayfield RM**, Lam KC, Valovich McLeod TC. Postural Control Differences Between Adolescent and Collegiate Male Athletes Using the Stability Examination Test. *Journal of Athletic Training*. 2013;48(3): S-160. [Accepted for presentation]

Parsons JT, **Mayfield RM**, Valovich McLeod TC. A Content Analysis of Trends in State Sport Concussion Management Legislation. *Journal of Athletic Training*. 2013;48(3): S-105. [Accepted for presentation]

Weber M, **Mayfield RM**, McCarty CW, Parsons JT, Valovich McLeod TC. Self-Reported Concussion Management Practices Among Secondary School Athletic Trainers. *Journal of Athletic Training*. 2013;48(3): S-102. [Accepted for presentation]

Mayfield RM, McCarty CW, Parsons JT, Valovich McLeod TC. Secondary School Athletic Trainers' Knowledge and Perceptions of Academic Accommodations Following Sport-Related Concussion. *Journal of Athletic Training*. 2013;48(3): S-69. [Accepted for presentation]

McCarty CW, **Mayfield RM**, Parsons JT, Valovich McLeod TC. Secondary school athletic trainers' referral patterns for patients following sport-related concussion. *Journal of Athletic Training*. 2013;48(3): S-67. [Accepted for presentation]

Mayfield RM, Shepherd L, Valovich McLeod TC, Bay RC. Sport Concussion Assessment Tool-2 (SCAT2) Scores in the Acute Phase Following Concussion in High School Athletes. *British Journal of Sports Medicine*. 2013;47: e1.[Accepted for presentation]

Mayfield RM, Snyder AR, Bay RC, Valovich McLeod TC. The Relationship Between Baseline Concussion Symptom Clusters and Health-Related Quality of Life in Adolescent Athletes. *Journal of Athletic Training*. 2012;47(3Suppl): S30. [Accepted for presentation]

Yakuboff MK, **Mayfield RM**, Chhabra A, Bay RC, Valovich McLeod TC. Sport Concussion Assessment Tool-2 (SCAT2) Scores Following Concussion in Adolescent Athletes with and Without a Prior Concussion History. *Journal of Athletic Training*. 2012;47(3Suppl): S12. [Accepted for presentation]

ABSTRACTS SUBMITTED AND NOT ACCEPTED

Williams RM, Anglim M, Ferguson M. Secondary School Coaches' Perceptions of Sport-Related Concussions: A Qualitative Approach. *Submitted to 2022 National Athletic Trainers Annual Symposium. June 2022, Philadelphia, PA. [Not accepted for presentation]*

Davidson B, Anglim M, **Williams RM**. Assessment of Concussion Knowledge, Attitudes, and Behaviors and the Impact of Age Among Adolescent Female Club Soccer Athlete. *Submitted to 2022 National Athletic Trainers Annual Symposium. June 2022, Philadelphia, PA. [Not accepted for presentation]*

Brady MP, **Williams RM**. Health care Providers' Accuracy, Knowledge, Skills and Calmness with Ankle and Knee Simulation Models. *Submitted to 2022 National Athletic Trainers Annual Symposium. June 2022, Philadelphia, PA. [Not accepted for presentation]*

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Johnson MN, Carlson K, **Williams RM.** Division-one collegiate student-athletes' concussion history, acute symptomology and recovery following concussion. *Submitted to the 6th International Consensus Conference on Concussion in Sport. Paris, France. October 2020. [not accepted for presentation]*

Miller AE, **Williams RM.** The Implementation of Patient Reported Outcome Measures in a Secondary School Setting: A Quality Improvement Initiative. *Submitted to the Pennsylvania Athletic Trainers Meeting and Clinical Symposium. Wyndham Gettysburg, PA. [Submitted but not accepted]*

Williams RM. Rettmann AN, Broglio SP. No significant declines in cognitive function following repeated head impacts in high school football. *Submitted to the 2016 NATA Annual Symposium. Baltimore, MD. [Submitted but not accepted]*

PROFESSIONAL PRESENTATIONS

INTERNATIONAL

Wilson, F, **Williams RM.** Lynall R, Rippee M, Chandran A. Primary and Secondary Injury prevention. International Congress on Athlete Brain Health. Park City, UT: October 2020
Williams RM. Secondary Injury Prevention

NATIONAL

Brady MP, Meier M, **Williams RM.** Trials and Tribulations of Implementing Telehealth in a Rural High School Athletics Program. Submitted to NATA June 2023.

Williams RM. Introduction to concussions: What do you need to know as a coach? *Presented at the NHSACA 2022 Annual Meeting*

Williams RM. Spooner S, Ferguson M, Wilson T. Coaches Discussion Panel on Sport Relation Concussions. *Presented at the NHSACA 2022 Annual Meeting.*

REGIONAL/DISTRICT

Allen McHugh R, **Williams RM.** Innovative Research Approach for the Entry-Level OT student: How to Provide Responsive and Flexible Scholarship to Advance the Profession. Submitted to the 2023 AOTA Inspire Symposium, Kansas City, MO. April 2023

Williams RM. *Patient Reported outcome measures: what are they, why should I use them and where do I start? Submitted to MAATA, March 2020 [Accepted for presentation- canceled due to COVID-19]*

Williams RM. *Patient Reported Outcomes Measures.* North Central College Illinois. Webinar. October 2016

Williams RM. *Current status of concussion research.* North Dakota Athletic Trainer Association. Bismarck, ND. April 2016

Williams RM. *Concussions Physical & Cognitive Rest with the inclusion of Academic Accommodations.* Rocky Mountain University of Health Profession. Webinar. September 2014

Williams RM. *Concussions: Cognitive Rest and Academic Accommodations.* Rocky Mountain University of Health Professions. Webinar. January 2014.

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Williams RM. *The relationship between baseline concussion symptoms clusters and Health-related quality of life in adolescent athletes.* Rocky Mountain Athletic Trainers Association. Mesa AZ. March 2012

STATE/ LOCAL

Williams RM, Bauman S. Concussion: what's new since the 6th international concussion in sport conference. IATS 2023. Submitted for presentation. May 2023

Williams RM. Athletic Administrators perceptions of Emergency Preparedness. *IATS.* June 2022

Williams RM. Introduction to Knee Assessment. *Graceland College.* February 2022.

Williams RM, Hove K. *Current Best Practices for Managing Pediatric Sport Related Concussions for Occupational Therapists.* October 2021. IOTA. Virtual

Williams RM. *Patient Reported outcome measures: what are they, why should I use them and where do I start?* June 2021 IATS. Des Moines, IA

Williams RM. *Primary, and secondary injury prevention for concussion.* Submitted to the Iowa Brain Injury Association, March 2020 [Accepted for presentation- Did not present due to family emergency]

Williams RM. *Promoting Long Term Healthcare for the Pediatric Patient Following Sport Related Concussion.* Drake University, November 2019

Williams RM, Root H. *Athletic training: What is it and how to become and athletic trainer.* Chaparral High school. Scottsdale, Arizona. September 2017

Williams RM, *Concussion discussion panelist.* Brain Injury Association of Michigan. Royal Oak, MI. January 2016

Williams RM, *Cognition changes across a high school football season.* 2015. University of Michigan Graduate Student Research Symposium. Ann Arbor, MI. April 2015

Williams RM, *Youth Concussion awareness for parents and coaches.* 2015. Brighton Youth Pop Warner league. Brighton, MI. March 2015

Williams RM, *Sub-concussive head impact monitoring and the relationship with cognitive functioning.* 2014 University of Michigan Graduate Student Research Symposium, Ann Arbor, MI. April 2014

Williams RM, *Concussion: What do you need to know.* University of Michigan Club Sports, Ann Arbor MI. January 2014

Williams RM, *Athletic training as a profession. How to get there from high school.* Sacaton High School AZ. March 2012

Presentation Proposals Submitted and Not Accepted

Hove KD, **Williams RM.** Occupational Therapy Doctorate Programs current teaching of sport-related concussions in curriculum Proposal. *Submitted to 2023 AOTA annual meeting, April 2023 [not accepted for presentation]*

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Williams RM. Identifying and understanding health disparities in healthcare and athletic training. *Submitted to NATA June 2022 [Not accepted for presentation]*

Williams RM, Root HJ. Evaluating Policy and Procedures in the Secondary School Setting: Measures in Research vs. Clinical practicality. *Submitted to NATA June 2021 [Not accepted for presentation]*

Williams RM, Root HJ, Marshall AN. Evaluating Policy in the Clinical Setting: Measures in Research vs. Clinical practicality. *Submitted to NATA June 2020 [Not accepted for presentation]*

GRANT FUNDING

GRANTS UNDER REVIEW

- 1.) *Exploring police officers' perceptions of a health/fitness risk management program involving athletic training educators.*

Funding Agency: MAATA District 5

Role: Co-Investigator

Status: Under review (\$1000)

The purpose of this project is to evaluate stakeholders' perceptions of a health/injury risk management program involving athletic training educators and students via focus group interviews with sworn officers.

GRANTS AWARDED

- 1.) *Team Athletic Training Telehealth*

Funding Agency: MVP mini-grant Project

Role: Co-investigator

Status: Awarded (\$5000)

The purpose of this project is to provide telehealth athletic training services at no cost to a rural Iowa high school for student athletes that do not have consistent access to an athletic trainer.

- 2.) *OER Grant*

Funding Agency: The Iowa Cross-Institutional OER Program

Role: Recipient

Status: Awarded (\$500)

The purpose of this project is to review current open education resources available and provide a report on potential sources to adopt in the classroom

- 3.) *Iowa interscholastic athletic coaches' perceptions of sport-related concussion and the impact on concussion culture, sports safety, and management*

Funding Agency: MAATA District 5

Role: Primary Investigator

Status: Awarded (\$1500)

The purpose of this project to understand athletic coaches' perceptions and behaviors related to sport related concussions and the impact those roles place on youth sports safety

- 4.) *The Effectiveness of Sports Vision Training on Concussion Rates and Acute Visual Deficits Post-Injury*

Funding Agency: Warner/ Fermaturo and the ATSU Board of Trustees Research Grant.

Role: Co-Investigator

Status: Funded (\$10,000)

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The purpose of this project is to determine the effectiveness of sports vision training as a means of concussion risk reduction to determine the impact of visual deficits throughout recovery from concussion.

5.) *Physical and Cognitive Activities following Sport Related Concussions*

Funding Agency: University of Michigan Rackham Graduate Student Pre-Candidate Research Grant. [Awarded 2014]

Role: Primary Investigator

Status: Funded (\$1,500)

The purpose of this investigation is to evaluate physical and cognitive activity in concussed athletes and relate the measures to injury recovery and reports of symptoms and quality of life.

6.) *The Impact of Concussive and Sub-Concussive Blows on Brain Network Activity (2013-2015)*

Funding Agency: The National Institute of Health: National Institute of Neurological Disorders and Stroke: R15 1R15NS081691

Role: Graduate Research Assistant

Primary Investigator: Steven Broglio

The goal of this project is to implement an evaluation of electroencephalogram (EEG) recordings and standard clinical assessments in high school football athletes in concussive and sub-concussive impacts.

7.) *Evaluating the Influence on Concussion Education on Knowledge, Attitudes and Behaviors Regarding Concussion among Youth Athletes, Coaches and Parents. (2012-2013)*

Funding Agency: National Operating Committee on Standards for Athletic Equipment (NOSCAE)

Role: Graduate Research Assistant

Primary Investigator: Johna Register-Mihalik

The goal of this project is to investigate and describe the knowledge, attitudes and behaviors regarding concussion among youth athletes, parents and coaches and to evaluate two preseason concussion education interventions.

8.) *The effect of sport-related concussion on cognition, balance, symptoms and health-related quality of life in adolescent athletes. (2010-2012)*

Funding Agency: National Operating Committee on Standards for Athletic Equipment (NOSCAE)

Role: Graduate Research Assistant

Primary Investigator: Tamara Valovich McLeod

The goal of this project was to assess immediate and prolonged effects of concussion on HRQOL in adolescent athletes, compare HRQOL in comparison to concussion and musculoskeletal injuries and lastly to collect HRQOL qualitative data on sport concussion in adolescent athletes.

9.) *Youth Football Safety Study: Year 1 (2012)*

Funding Agency: USA Football:

Role: Graduate Research Assistant

The purpose of this study is to collect epidemiological data on youth football athletes to determine the nature and incidence of sport-related injury.

10.) *ATSU Concussion Program (2011)*

Funding Agency: Fiesta Bowl Grant

Role: Graduate Research Assistant

Primary Investigator: Tamara Valovich McLeod

The goal of this project is to expand concussion outreach, baseline administration and concussion protocols to the Arizona youth sports teams.

11.) Investigating objective functional characteristics to differentiate subgroups in chronic low back pain patients (2011-2013)

Funding Agency: American Osteopathic Association Foundation

Role: Graduate Research Assistant

Primary investigators: Jeremy Houser, Tamara Valovich McLeod

The goal of this study is to determine whether a difference exists in those with low back pain of lumbar or sacroiliac nature, on measures of muscle activation, muscle recruitment patterns, postural control and functional tasks.

GRANTS SUBMITTED (NOT AWARDED)

1.) Implementation of a novel health promotion program in a large city law enforcement department.

Funding Agency: Healthier Workforce Center of the Midwest Pilot Grant Program

Role: Co- investigator

Status: Not funded (\$20,971)

The purpose of this project is to provide critical and necessary information as city departments develop policies, programs or practices to support the TWH model.

2.) Iowa OER Grant

Funding Agency: The Iowa Cross-Institutional OER Program

Role: Co-Investigator

Status: Not funded (\$10000)

The purpose of his project is to develop an open educational resource to be incorporated into athletic training education within the college of pharmacy and health sciences.

3.) Concussion Education Re-invented for Coaches, Parents, and Adolescent athletes in Rural Communities.

Funding Agency: NATA New Investigator Grant

Role: Primary Investigator

Status: Submitted preproposal- not funded

The purpose of this project will be to assess current knowledge, attitudes, and behaviors and the ability of more frequent and targeted educational strategies to improve concussion-related knowledge over time in communities with varying levels of access to athletic training services.

4.) The Association of Health-Related Quality of Life and football participation in adolescent athletes. [Not awarded]

Funding Agency: NATA Doctoral Research Grant

Role: Primary Investigator

The goal of this project is to investigate changes in HRQOL throughout a youth football playing season at three-time points (pre, mid and post-season)

Service to the Department, College, University and Profession

UNIVERSITY SERVICE

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Drake University

Pedagogy Workshop	January 2020
National Alumni Scholarship Interviews	February 2020
Move-in COVID-19 Testing	August 2021
IPE Poverty Simulation	November 2021
Drake Athletic Training Club- Faculty Advisor	January 2022- Present

Drake University College of Pharmacy and Health Sciences

2.0 Policy Appeal	2022
Faculty Affairs Committee	2020-Present
Academic Affairs Committee	2020-2022
Diversity, Equity and Inclusion Committee	2021-present
Diversity, Equity, and Inclusion Subcommittee	2020-2021
Research and Scholarship Task Force	2020-2021
BULLDOGS virtual Camp	July 2021
CPHS Student Organization Retreat	August 2021

Drake University Department of Athletic Training

Master of Athletic Training Admissions Committee	2019- Present
Search Chair for Coordinator of Clinical Education position	Spring 2021
IGHSAU and IAHSAA State Track 4 hours	May 2021
IGHSAU State Tennis – 9 hours	June 2021
IGHSAU Girls State Soccer- 4 hours	June 2021
HOSA Live Chat	June 2021
IGHSAU Girls State Basketball- 33 hours	March 2022
EFR student meeting	March 2022
IGHSAU State Track- 20 hours	May 2022
IGHSAU State Soccer- 19 hours	June 2022
AT Visit Day	November 2022
IGHSAU State Basketball- 23.25 hours	Feb- March 2023
EFR student meeting	March 2023

PROFESSIONAL SERVICE

AATE- Quality Improvement Instructional course

2022- Present

This service was to develop an instructional course for athletic trainers on healthcare quality improvement.

AATE Interprofessional Collaborative Practice Research Group

2022- present

This research group is charged with evaluating interprofessional collaboration in practice specifically in athletic training education.

Board of Certification (BOC)

2015 to 2022

Evidence Based Practice Review Panel, Panelist

This panel is responsible for the review of all evidence-based practice course applications seeking approval for continuing education units from Evidence-Based Practice Category. The primary function of the EBP review panel is to identify that providers have met application criteria.

Iowa Athletic Trainers Society

Young Professionals Committee member
Honors and Awards Committee Chair

2021- Present
2021- Present

International Congress for Athlete Brain Health

Working group member: injury prevention:

2019-Present

This group continues to create progress on the area of concussion injury prevention. Specifically, we are working on a literature review and qualitative research project to assess injury prevention strategies to describe the research in this area better. The impact on this group can provide international members insight into concussion injury prevention strategies for youth.

Iowa Concussion Consortium

Advisory Board Committee Member

2019-2022

2021 NATA Conference Proposal Review Committee

This committee was charged with reviewing 10-15 proposals each for the 2021 NATA conference.

2021 NATA Grant Reviewer

I was charged with reviewing a grant through the NATA education foundation

2022 PRISM Society Abstract Review

This committee was charged with reviewing 35 abstracts per member

2022 NATA Conference Proposal Review Committee

This committee was charged with reviewing 10-15 proposals each for the 2022 NATA conference.

2023 NATA Conference Proposal Review Committee

For this committee, I was charged with reviewing 7 proposals for the 2023 NATA conference.

2022 Early TBI Grant Reviews

I reviewed one grant with peers to provide peer to peer feedback prior to grant submission

JOURNAL PEER REVIEWER

Associate Editor:

- Journal of Science and Medicine in Sport

Peer Journal Reviewer:

- *Athletic Training and Sports Healthcare*
 - **2018 Top 10 Reviewer Award**
- *Journal of Sports Sciences*
- *Medicine and Science in Sports and Exercise*
- *Journal of Athletic Training*
- *Clinical Journal of Sports Medicine*
- *Journal of Adolescent Health*
- *Journal of Sports Rehabilitation*
- *International Journal of Athletic Therapy and Training*
- *Journal of Physical Therapy in Sport*
- *Clinical Journal of Athletic Training*

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- *Brain Injury*
- *Sage Open Nursing*
- *International Journal of Environmental Research and Public Health*
- *Sports Health*
- *Concussion*
- *Journal of Science and Medicine in Sport*

National Conference Session Moderator

- MAATA Annual Symposium and Clinical Expo, La Vista, NE 2022
- NATA Annual Symposium & Clinical Expo, New Orleans, LA 2018
- NATA Annual Symposium & Clinical Expo, Baltimore, MD 2016
- NATA Annual Symposium & Clinical Expo, Indianapolis, IN 2014

Michigan Athletic Trainers Society

2015 to 2016

Secondary School Committee

This committee was charged with providing secondary school athletic trainers communication material for practice-related topics.

HONORS AND AWARDS

2022 MAATA Young professional of the Year nomination	2022
2021 Excellence in Academic Advising and Mentoring Series	2021
A.T. Still University Supplemental Travel Award	2018
Kenneth Knight Award Winner	2016
University of Michigan School of Kinesiology travel award	2016
Norm Mackie Memorial Scholarship: Professional Hockey Athletic Trainers Society	2015
University of Michigan Rackham Graduate School travel award	2015
University of Michigan School of Kinesiology travel award	2015
University of Michigan Rackham Graduate School travel award	2014
2014 University of Michigan School of Kinesiology travel award	2014
APS Professional Skills Training (PST) Course: Professional Integrity	2014
Who's Who Among Students in American Universities and Colleges 2013 Edition	2013
Dwight Patterson Youth sports award scholarship	2012

CERTIFICATIONS & PROFESSIONAL AFFILIATIONS

National Academy of Practice- Professional Member	2022- present
PRISM- member	2022- present
LGBTQIA+ Safe Space Training	2021- present
Mental Health First Aid USA	2019- present
Iowa Board of Athletic Training Licensure (#097488)	2019- present
Mid America Athletic Trainers Association	2019- present
Iowa Athletic Trainers Society	2019- present
National Provider Identification (#1114460599)	2017- present

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Board of Certification, Certified Athletic Trainer	2011- present
CPR for the Professional Rescuer (American Heart Association)	2009- present
National Athletic Trainers' Association, Member (#32765)	2009- present
Minnesota Board of Medical Practice (#3206)	2018- 2019
Arizona Board of Athletic Training licensure (#1557)	2016- 2018
Michigan Board of Athletic Training Licensure (#2601001199)	2013- 2016
Arizona Board of Athletic Training licensure (# 1035)	2011- 2013