**Madison N. Renner, PhD, ATC**

McPhee Center 218, University of Wisconsin-Eau Claire

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**EDUCATION**

**University of Wisconsin-Madison, Madison, WI**

Doctor of Philosophy in Kinesiology – Biomechanics, May 2025

**Dissertation**: *Promoting Safe Youth Sport Participation: Understanding Resources Essential to Patient Care in Per-Diem Settings, Athletic Trainer Accessibility in Secondary Schools, and Risks of Dual Setting Sport Participation*

**Drake University, Des Moines, IA**

Master of Science in Athletic Training, May 2021

**Drake University, Des Moines, IA**

Bachelor of Sciencein Clinical and Applied Health Sciences, May 2020

**EMPLOYMENT**

**The University of Wisconsin – Eau Claire, Eau Claire, WI** (2025-present)

Assistant Professor, Department of Kinesiology, Athletic Training Program

**PROFESSIONAL RESEARCH EXPERIENCE**

**Dr. David Bell, University of Wisconsin-Madison, Madison, WI**

*Research Assistant, Fall 2021 – Spring 2025 | Project Assistant, Summer 2024*

Wisconsin Injury in Sport Laboratory

Conducting quantitative and qualitative research in youth sport specialization and athletic training, including the development of a scale to measure youth sport specialization among middle- and high school-aged athletes

**Dr. Stacy Gnacinski, Drake University, Des Moines, IA**

*Research Assistant, Fall 2019 – Spring 2021*

Assisted in experiment design, data collection, data entry, and statistical analysis on the psychophysiological aspects of recovery among active-duty police officers

**SCHOLARSHIP**

**Refereed Journal Publications (15)**

**2025**

1. Srygler EC, Caloud EA, Zdziarski-Horodyski LA, Teramoto M, **Renner MN**, Adler SN, Bell DR. Prevalence, Patterns, and Factors Influencing Decision to Sport Specialize During High School in Current Division-I and Sport Club Ice Hockey Athletes. *The Internet Journal of Allied Health Sciences and Practice*. Accepted for publication July 24, 2025.
2. Bell DR, Srygler EC, **Renner MN**, Adler SN, Chambers JS, Kliethermes S, Nelson EO, Watson A, Brooks MA, McGuine T, Snedden T. Factors Associated with Parents’ Perceptions of Name, Image, and Likeness in High School Athletes. *The Journal of Sport Behavior.* Accepted July 2025.
3. Srygler EC, Wenner ZO, Fett AE, Hernandez MI, **Renner MN**, Adler SN, Bell DR. Collegiate Coaches’ Perceptions of Youth Sport Specialization’s Impact on Athlete Sport Performance: A Qualitative Study. *International Journal of Sports Science & Coaching.* Accepted for publication June 30, 2025. <https://doi.org/10.1177/17479541251358569/>
4. Kliethermes SA, Nelson EO, Biese KM, Brooks A, Brown R, McGuine TA, **Renner MN**, Snedden TR, Srygler E, Watson AM, Bell DR. Development and Preliminary Validation of the Wisconsin Sport Specialization Questionnaire (WISSQ) for High-school Aged Athletes. *British Journal of Sports Medicine.* Published Online: 23 April 2025.<https://doi.org/10.1136/bjsports-2024-108453>
   1. Editor’s choice award
   2. Groups who have requested permission to use in their EMR system: CHOP, Laurie Children’s, Seattle Children’s, Cincinnati Children’s
5. **Renner MN**, Keefe MW, Srygler EC, Adler SN, Bentley TS, Bell DR. Sport Specialization and Overuse Injury Risk Among Youth Athletes: A Critically Appraised Topic. *International Journal of Athletic Therapy and Training* (published online ahead of print 2025). <https://doi.org/10.1123/ijatt.2024-0117>.
6. **Renner MN,** Lam KC, Stamm JM, Srygler EC, Adler SN, Bell DR. Delays in Immediate Athletic Trainer Evaluation Following Concussion Among High School Football Players: A Report from the Athletic Training Practice-Based Research Network. *J Athl Train*. Published Online: 24 June 2025*.* <https://doi.org/10.4085/1062-6050-0566.24>.
7. **Renner MN**, Lam KC, Srygler EC, Adler SN, Chambers JS, Bell DR. Factors That Impact Time to Athletic Trainer Evaluation Following Acute Injury Among High School Athletes: A Report from the Athletic Training Practice-Based Research Network. *J Athl Train.* 2025; 60(1): 29-33. <https://doi.org/10.4085/1062-6050-0287.24>*.*
8. **Renner MN**, Biese KM, Post EG, Hernandez MI, Srygler EC, Adler SN, Bell DR. High School Sport Specialization Associated with Missing Time with Friends and Frequent Travel. *The Internet Journal of Allied Health Sciences and Practice.* 2025 Jan 17; 23(1), Article 4.

**2024**

1. Srygler EC, **Renner MN**, Adler SN, Chambers JS, Bell DR. Changes in Y-Balance Test Scores During Months 4, 5, and 8 of ACL Reconstruction Rehabilitation. *Accepted for publication in* The Journal of Athletic Training *on October 7, 2024*. <https://doi.org/10.4085/1062-6050-0397.24>.
2. Nelson EO, Bell DR, Kliethermes SA, Biese KM, **Renner MN**, Srygler E, McGuine TA, Snedden TR, Brooks A, Watson AM. Item Bank Development and Content Validity of a Youth Sport Specialization Assessment. *Journal of Orthopedic and Sports Physical Therapy Open*. Published online October 2, 2024. <https://doi.org/10.2519/josptopen.2024.0065>
3. Bell DR, **Renner MN**, Hernandez M, Biese K, Adler S, Srygler E. Secondary School Athletic Trainers’ Perceptions of How Youth Sport Specialization Impacts Workload. *Sports Health.* 2024. <https://doi.org/10.1177/19417381241231589>. 2024. PMID: 38406877
4. Gnacinski SL, Porter F, **Renner MN**, Laska T. Influence of Body Composition on Functional Movement Among Police Officers. *International Journal of Exercise Science.* 2024; 17(4): 418-428. PMID: 38665861.

**2023**

1. Winans M, Biese KM, Rudek G, **Renner MN**, Stamm JM, Bell DR. The Association of Sport Specialization with Youth Ice Hockey Position and Youth Ice Hockey Parents’ Perceptions of Sport Specialization. *International Journal of Athletic Therapy and Training*. 2023; 28(6): 303-307. <https://doi.org/10.1123/ijatt.2022-0085>.
2. Hernandez MI, Miller EC, Prieto LA, **Sehmer MN**, Schaefer DA, Biese KM, Columna L, Andreae S, Eberman LE, Bell DR. Youth Sport Participation Experiences from the Perspective of Hispanic/Latinx Parents and their Children. *Fam Community Health.* 2023 Jul-Sep 01; 46(3):165-175. PMID: 37199990. <https://doi.org/10.1097/FCH.0000000000000366>.

**2022**

1. **Renner MN**, Gnacinski SL, Porter FJ, Cornell DJ. The Influence of age and dynamic balance on functional movement among active-duty police officers. *J Sport Rehabil.* 2022 Oct 17; 32(3): 242-247. PMID: 36252950.

**Refereed Papers/Articles (In Review)**

**Renner MN,** Collins C, Chandran A, Post EG, McGuine TA, Andrae S, Srygler EC, Adler SN, Bell DR. Athlete and Workplace Determinant of Time to Athletic Trainer Evaluation in High School Sports.

Srygler EC, **Renner MN,** Kliethermes SA, Nelson EO, Brooks MA, Biese KM, McGuine TA, Adler SN, Bell DR. Sex Differences in Athlete Burnout Scores Based on Sport Participation Volume in High School Athletes.

**Renner MN**, Srygler EC, Andreae S, McGuine TA, Post EG, Collins C, Chandran A, Bell DR. Identifying Essential Resources for Per-Diem Athletic Trainers Using the Nominal Group Technique.

**Renner MN**, Collins C, Chandran A, Post EG, McGuine TA, Andreae S, Bell DR. Overuse and Recurrent Injury Patterns Among Dual-Setting Sport Participants.

**Refereed Papers/Articles (In Preparation)**

**Renner MN,** Lam KC, Stamm JM, Srygler EC, Adler SN, Bell DR. Sex Associated with Delays in Immediate Evaluation Following Concussion: A Report from the Practice-Based Research Network.

Adler SN, Chambers JS, **Renner MN**, Srygler EC, Bell DR. Changes in Hip and Knee Kinematics and Kinetics During Single Leg Squats Following ACL Reconstruction.

Adler SN, Chambers JS, Slagter N, **Renner MN**, Srygler EC, Bell DR. How Secondary School Athletic Trainers Attempt to Overcome Patient Barriers Associated with Social Determinants of Health.

**Refereed Published Abstracts / Presentations**

**2025**

1. Bell DR, Nelson E, Kliethermes S, **Renner M**, Srygler E, Biese K, McGuine T, Brooks A, Brown R, Adler S. Sport Specialization and Injury History: Insights from a Novel Measurement Tool. Accepted for oral presentation at the *2025 Isokinetic Conference* (Madrid, Spain).
2. **Renner MN**, Taylor E, Brooks MA, McGuine TA, Bell DR, Stamm JM, Srygler EC, Hammer EM. Baseline Symptoms Associated with Sport-Related Concussion in High School Football Players. Accepted for Oral Presentation at the *GLATA Annual Meeting & Symposium* (Wheeling, IL) and Poster Presentation at the *76th NATA Clinical Symposia* (Orlando, FL). *Journal of Athletic Training.* 2025.
3. Srygler EC, **Renner MN**, Nelson EO, Kliethermes SA, Brooks MA, Snedden T, Watson A, Adler SN, Bell DR. Sex Differences in Athlete Burnout Scores Based on Sport Participation Volume in High School Athletes. Accepted for Oral Presentation at the *GLATA Annual Meeting & Symposium* (Wheeling, IL) and the *76th NATA Clinical Symposia* (Orlando, FL). *Journal of Athletic Training.* 2025.

**2024**

1. **Renner MN,** Lam KC, Srygler EC, Adler MN, Bell DR. Factors That Impact Time to Athletic Trainer Evaluation Following Acute Injury Among High School Athletes: A Report from the Athletic Training Practice-Based Research Network. Accepted for Oral Presentation at the *GLATA Annual Meeting & Symposium* (Wheeling, IL) and Poster Presentation at the *75th Annual NATA Symposia* (New Orleans, LA). *Journal of Athletic Training.* June 2024, 59(6s):261.
2. Srygler EC, **Renner MN**, Adler SN, Powell AJ, Chamber JS, Bell DR. Collegiate Coaches’ Perceptions of Youth Sport Specialization’s Impacts on Sport Performance. Accepted for Oral Presentation at the *GLATA Annual Meeting & Symposium* (Wheeling, IL) and at the *75th Annual NATA Symposia* (New Orleans, LA). *Journal of Athletic Training.* June 2024, 59(6s):131.
3. Adler SN, Chambers JS, Srygler EC, **Sehmer MN**, Slagter NP, Bell DR. How Secondary School Athletic Trainers Attempt to Overcome Barriers Associated with Social Determinants of Health. Accepted for Oral Presentation at the *GLATA Annual Meeting & Symposium* (Wheeling, IL) and Poster Presentation at the *75th Annual NATA Symposia* (New Orleans, LA). *Journal of Athletic Training.* June 2024, 59(6s):264.

**2023**

1. **Renner MN**, Hernandez MI, Biese KM, Winans M, Srygler EC, Adler SN, Bell DR. Secondary School Athletic Trainers’ Perceptions of How Sport Specialization Impacts Workload: A Mixed Methods Study. Accepted for Oral Presentation at the *GLATA Annual Meeting & Symposium* (Wheeling, IL).
2. Srygler EC, **Renner MN**, Adler SN, Powell AJ, Trigsted SM, Biese KM, Bell DR. Changes in Y-Balance scores during rehabilitation after ACL reconstruction. Accepted for Oral Presentation at the *GLATA Annual Meeting & Symposium* (Wheeling, IL) and Poster Presentation at the *74th Annual NATA Symposia* (Indianapolis, IN). *Journal of Athletic Training.* June 2023, 58(6s):222.
3. Adler SN, **Renner MN**, Srygler EC, Trigsted SM, Biese KM, Bell DR. Changes in single leg squat knee and hip kinematics and kinetics following ACL reconstruction. Accepted for Oral Presentation at the *GLATA Annual Meeting & Symposium* (Wheeling, IL) and Poster Presentation at the *74th Annual NATA Symposia* (Indianapolis, IN). *Journal of Athletic Training.* June 2023, 58(6s):220.
4. Hernandez MI, Biese KM, **Sehmer MN**, Bell DR. Secondary School Athletic Trainers’ Clinical Management Decisions Toward Low Socioeconomic Status Patients: A Mixed-Methods Study. Accepted for Oral Presentation at *PRiSM’s 10th Annual Meeting* (Denver, CO).
5. Nelson EO, Bell DR, McGuine TA, Kliethermes S, Biese K, **Sehmer MN**, Watson A, Brooks MA, Sneeden T. Development of the Wisconsin Sports Specialization Questionnaire. Accepted for Poster Presentation at the *American Physical Therapy Association* (San Diego, CA). *Journal of Orthopaedic & Sports Physical Therapy.* February 2023, 53(2): 25.

**2022**

1. **Sehmer MN**, Hernandez MI, Biese KM, Schaefer DA, Trigsted SM, Post EG, Bell DR. Strength Differences in Injured and Healthy Limbs at 4 Months and 9 Months Post-ACL Reconstruction. Accepted for Oral Presentation at the *GLATA Annual Meeting & Symposium* (Wheeling, IL) and at the *73rd Annual NATA Symposia* (Philadelphia, PA). *Journal of Athletic Training.* June 2022, 57(6s):126.

**2021**

1. Gnacinski SL, Porter FJ, **Sehmer MN**, Roehrs FG, Bouska S, Luttrell M. Examining the Effect of Weight Categorization on Active Duty Police Officer Fitness. Accepted for presentation at *ACSM’s 68th Annual Meeting* (virtual). *Medicine and Science in Sports and Exercise.* August 2021, 53(8s):355.

**2020**

1. **Sehmer MN**, Gnacinski SL, Porter FJ, Lerner L, Roehrs FG. Examining Limb Asymmetries in Dynamic Balance Among Active Duty Police Officers. Accepted for Poster Presentation at the *2020 NSCA National Conference* (virtual).
2. Gnacinski SL, **Sehmer MN**, Porter FJ, Roehrs FG, Lerner L. Examining the Effect of a Repeated Sprint Exercise Protocol on Anaerobic Power and Recovery Among Active Duty Police Officers. Accepted for Poster Presentation at the *2020 NSCA National Conference* (virtual).
3. Porter FJ, Gnacinski SL, **Sehmer MN**, Roehrs FG, Lerner L. Physical Fitness Predictors of Functional Movement Among Active Duty Police Officers. Accepted for Poster Presentation at the *2020 NSCA National Conference* (virtual).

**Invited Presentations**

Improving Access to Athletic Training in Youth Sports: Addressing Barriers, Workload, and Essential Resources. April 2025. *Wisconsin Athletic Trainers’ Association 50th Annual Symposium & Business Meeting* (Oshkosh, WI).

A Super Bowl Spotlight on Youth Sport Safety: Athletic Training Access & Availability & What the Research Says. January 2025. *Panelist for a virtual briefing by the National Athletic Trainers’ Association* (virtual). <https://vimeo.com/1052409254?share=copy>.

Factors That Impact Time to Athletic Trainer Evaluation Following Acute Injury Among High School Athletes: A Report from the Athletic Training Practice-Based Research Network. February 2024. *University of Wisconsin-Madison Athletic Training Program 6th Biannual Symposium* (Madison, WI).

**GRANTS**

**Research Proposals: Not Funded**

**Greater Lakes Athletic Trainers’ Association** (Sehmer, Bell) August 2023

“A Comprehensive List of Essential Resources for Athletic Trainers Working Per-Diem Events: A Delphi Study”

Role: PI

Score: 3.5/5 (Total), 72/100 (Impact on Athletic Training), 71/100 (Scientific Merit)

**REVIEWER**

1. Journal of Athletic Training
2. Sports Health
3. BMC Sports Science, Medicine, and Rehabilitation
4. Injury Epidemiology

**TEACHING EXPERIENCE**

**Instructor**

**University of Wisconsin-Eau Claire,** Eau Claire, WI

*Graduate Courses*

* Psychosocial Aspects in Healthcare (KINS 762), Fall 2025
  + Master’s of Science in Athletic Training
* Clinical Practicum I (KINS 780), Fall 2025
  + Master’s of Science in Athletic Training

*Undergraduate Courses*

* Prevention and Care of Athletic/Exercise Injuries (KINS 275), Fall 2025
  + Lecture and Lab
  + Class size: approximately 25 students
* Anatomical Kinesiology (KINS 294), Fall 2025
  + Lecture: 75 students
  + Lab: approximately 24 students per section

**University of Wisconsin-Madison,** Madison, WI

*Primary Instructor*

* Anatomy Lecture (ANAT&PHY 337), Spring 2024
  + Delivered engaging lectures on the fundamentals of human anatomy to undergraduate students
  + Managed a team of 5 teaching assistants, coordinating their responsibilities and providing mentorship
  + Class size: 400 students
* Emergency Procedures for the Master’s of Science in Athletic Training (KINES 571), Summer 2022
  + Developed a comprehensive course curriculum covering key emergency procedures and protocols in accordance with CAATE standards
  + Class size: 14 students

*Teaching Assistant*

* Anatomy Laboratory (ANAT&PHY 338), 6 semesters
  + Assisted students in identifying anatomical structures and understanding their functions through direct examination of cadaver specimens
  + 11 total sections, approximately 30 students per section
* Research in Kinesiology (KINES 330), Spring 2025
  + Assisted undergraduate instruction on the research process, including hypothesis development, ethical considerations, study design, measurement, and statistical concepts.
  + 2 sections, 50 students per section

*Lead Teaching Assistant*

* Anatomy Laboratory (ANAT&PHY 338), Fall 2022
  + Additional responsibilities included keeping inventory and ordering supplies for the laboratory, mentoring new teaching assistants and student peer learning assistants, leading weekly course meetings, and creating quizzes to assess student understanding

**Drake University,** Des Moines, IA

*Teaching Instructor*

* Anatomy Laboratory, Fall 2019 – Spring 2020
  + Conducted anatomy laboratory sessions utilizing a 3-dimensional computer application to enhance student learning and engagement
  + Transitioned the course to an online format during the pandemic (Spring 2020), ensuring continuity of education and accessibility for students
  + 3 total sections, approximately 20 students per section

**Guest Lecturer**

**University of Wisconsin-Madison,** Madison, WI

* Research in Kinesiology (KINES 330), *Mixed Methodology*
  + Fall 2023, Spring 2024, Fall 2024, Spring 2025
* Public Health, Policy, and Practice (KINES 651), *Research in Athletic Training and the Wisconsin Injury in Sport Laboratory* 
  + Fall 2024
* Seminar in Kinesiology (KINES 900), *Promoting Safe Youth Sport Participation: Importance of Athletic Training and Risks of Sport Specialization* 
  + Fall 2024
* Sciences and Practice of Resistance Training (KINES 140), *Integrating Athletic Training with Strength and Conditioning* 
  + Spring 2024
* Fitness Testing and Exercise Prescription (KINES 427), *Basics of Goniometry* 
  + Spring 2023

**Sam Houston State University,** Huntsville, TX

* Introduction to Athletic Training (ATTR 2300), *Promoting Safe Youth Sport Participation: Importance of Athletic Training and Risks of Sport Specialization*
  + October 2024 (in-person)

**CLINICAL EXPERIENCE**

**University of Wisconsin-Madison,** Madison, WI

*Athletic Trainer*

* University Health Services, Spring 2022 – Fall 2024
  + Provide athletic training services, including injury evaluation, diagnosis, possible referral, and treatment, to the UW-Madison student population and club sport teams

**MENTORSHIP**

**Wisconsin Injury in Sport Laboratory**, University of Wisconsin-Madison

* Travis Bently, Fall 2021 – Spring 2024
  + Assisted with data collection to measure the validity of an accelerometer in measuring jump height and data entry from previously completed surveys on sport specialization history among collegiate athletes
  + Conducted a review of the literature for a critically appraised topic focused on injury outcomes associated with youth sport specialization that led to publication of a peer-reviewed manuscript
* Michael Keefe, Summer 2024 – Spring 2025
  + Assisted with completing the literature review for the critically appraised topic on injury outcomes associated with youth sport specialization that led to publication of a peer-reviewed manuscript
  + Completing a first-author manuscript on associations between athlete burnout and previous injuries

**KinEqt**, University of Wisconsin-Madison

*The purpose of the KinEqt program is to help facilitate mentorship and access to resources – both academic and professional – between graduate and undergraduate students with underrepresented racial, disability, social class, and gender identities within the department of Kinesiology.*

* Conrad Charles
* Edward Hodges
* Madeline West
* Aziz Ali
* Zeb Lehman

**Reflection Partner**, University of Wisconsin-Madison

*Required for students pursuing a leadership certificate. Meetings consist of discussing leadership, including growth in leadership and individual experiences in leadership positions.*

* Claire Jacobson

**SERVICE**

**University of Wisconsin-Eau Claire,** Eau Claire, WI

* Athletic Training Curricular Subcommittee, Fall 2025-Current
* Kinesiology Curricular Subcommittee, Fall 2025-Current

**University of Wisconsin-Madison,** Madison, WI

* 61 letters of recommendation written for previous students and/or mentees
* Speaker for the Undergraduate Kinesiology Club, Spring 2025
* Reflection Partner for undergraduate students pursuing a Leadership Certificate, Summer 2024
* Student Mentor for KinEqt, Fall 2022-Spring 2025
* Panelist for KinEqt, Spring 2023
* Speaker for the Undergraduate Anatomy Club, Spring 2022

**Drake University,** Des Moines, IA

* Drake University representative for the Iowa Athletic Trainers’ Society Student Leadership Council, Fall 2019-Spring 2021
* Drake University Health Sciences Student Ambassador, Fall 2019-Spring 2020

**HONORS/AWARDS**

* Winner of the Campus-Wide Capstone Teaching Award, Spring 2025
* Ruth Glassow Memorial Fellowship, Fall 2024 – Spring 2025
* Sally J. Phillips Travel Award for Student Conference Presentation, Spring 2024
* Greater Lakes Athletic Trainers’ Association Continuing Education Assistance Grant, Spring 2024, Spring 2025
* Mary R. McKee and Elizabeth Waters Scholarship, Spring 2023
* Susann G. Doody Graduate Award, Spring 2022
* Elizabeth M. Roberts Scholarship, Spring 2022
* Marsh Travel Award, Spring 2022, Spring 2025
* Drake University Emerging Clinician Award, Spring 2020
* Drake University Presidential Scholarship Award Recipient, Fall 2015-Spring 2020

**PROFESSIONAL AFFILIATIONS**

* National Athletic Trainers’ Association (NATA), member from December 2019
* Greater Lakes Athletic Trainers’ Association (GLATA), member from September 2021
* Wisconsin Athletic Trainers’ Association (WATA), member from September 2021
* Drake University College of Pharmacy and Health Sciences Advisory Board, member from Fall 2021

**CERTIFICATIONS**

* BOC Certified Athletic Trainer, Expires Dec 2025
* Wisconsin Licensed Athletic Trainer, Expires Oct 2026
* Red Cross BLS CPR Certified, Expires Apr 2027