

Curriculum Vita
STEPHEN W. MARSHALL

I. PERSONAL

Business: Dept. Epidemiology CB#7435, Gillings School of Global Public Health
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II. EDUCATION & TRAINING

Education:

- 1998:** **Doctor of Philosophy**, Department of Epidemiology, Gillings School of Global Public Health, University of North Carolina at Chapel Hill.
- 1989:** **Postgraduate Diploma of Agricultural Science**, Lincoln University, Canterbury, New Zealand, in biometrics and field experimentation.
- 1987:** **Bachelor of Science**, University of Canterbury, Christchurch, New Zealand, in mathematics.

Additional Training:

- 2003:** **Sensitivity Analysis**, workshop at American College of Epidemiology, Atlanta, GA.
- 1997:** **Advanced General Linear Models**, SAS Institute, Cary, NC.
- 1996:** **Graduate Summer Program in Epidemiology**, The Johns Hopkins University School of Hygiene and Public Health, Baltimore, MD.
- 1991:** **New England Epidemiology Summer Program**, New England Epidemiology Institute, Tufts University, Boston, MA.

III. PROFESSIONAL EXPERIENCE

- 08/12 – present:** **Director**, Injury Prevention Research Center, UNC-CH
- 01/19 – 11/19:** **Interim Director**, North Carolina Institute for Public Health, UNC-CH
- 09/11 – present:** **Professor**, Department of Epidemiology, UNC-CH
- 08/11 – 07/12:** **Interim Director**, Injury Prevention Research Center, UNC-CH
- 09/11 – present:** **Adjunct Professor**, Department of Exercise and Sport Science, UNC-CH
- 10/08 – 07/12:** **Director of Epidemiology & Biostatistics**, Datalys Center for Sports Injury Research & Prevention, Indianapolis, Indiana
- 10/05 – 08/11:** **Associate Professor**, Departments of Epidemiology and Orthopedics, UNC-CH
- 06/06 – 08/11:** **Adjunct Associate Professor**, Department of Exercise and Sport Science, UNC-CH
- 01/02 – 09/05:** **Assistant Professor**, Departments of Epidemiology and Orthopedics, UNC-CH
- 01/99 – 12/01:** **Research Assistant Professor**, Department of Epidemiology, UNC-CH
- 01/99 – present:** **Core Faculty**, UNC Injury Prevention Research Center
- 08/94 – 12/98:** **Doctoral Student**, Department of Epidemiology, UNC-CH;
Graduate Research Assistant, UNC Injury Prevention Research Center
- 01/91 - 07/94:** **Biostatistician**, Injury Prevention Research Unit, Department of Preventive and Social Medicine, Medical School, University of Otago, New Zealand.
- 01/89 - 12/90:** **Biostatistician/Research Assistant**, Department of Community Health, Wellington School of Medicine, University of Otago, New Zealand.

IV. HONORS

1. **Distinguished Guest Speaker**, High Point University, 2013
2. Ken Knight **Outstanding Research Manuscript**, Journal of Athletic Training (2011)
3. William Evans **Visiting Fellow**, University of Otago (2009)
4. American Public Health Association Injury Control and Emergency Health Section **Service Award** (1999, 2003)
5. UNC Injury Prevention Research Center **Student Research Paper Award** (1998)
6. Elected to **Delta Omega** (1998)

V. BIBLIOGRAPHY

(a) Books & Book Chapters

1. **Marshall SW**, Li G. Chapter 32 "Injury and Violence Epidemiology". In: Rothman KJ, Lash TL, VanderWeele TJ, Haneuse S. Modern Epidemiology, 4th Edition. Forthcoming (expected 2020).
2. **Marshall SW**, Rauh M. Chapter 2 "Epidemiology". In: Musculoskeletal and Sports Medicine: Essentials for the Primary Care Provider (4th Edition). Birrer RB, O'Connor FG (eds). CRC Press; 2016: pages 9-22.
3. **Marshall SW**, Gilchrist J, Saluja G, Liller K. Chapter 9: sports and recreational injuries. In: Liller K (ed). Injury Prevention for Children and Adolescents, 2nd edition. Washington DC: American Public Health Association. 2012:261-190
4. Kerr Z, **Marshall SW**, Roos K, Caine D. Environmental Factors in Sports-Related Injuries. In: Friis R (ed). Praeger Handbook of Environmental Health (volume 4). Santa Barbara, CA: Praeger. 2012:141-162
5. Rauh M, Macera C, **Marshall SW**. Epidemiology of Sports Injuries. In: Magee DJ, Manske RC, Zachazewski JE, Quillen WS (ed). Selected Topics in Sports Injuries and Rehabilitation. Elsevier, 2010: 730-772.
6. **Marshall SW**, Register-Mihalik J. Softball Injury. In: Epidemiology of Injury in Olympic Sports. Eds: Caine D, Harner P, Schiff M. International Olympic Committee Medical Commission's Encyclopedia of Sports Medicine, Volume 16. Oxford UK: Wiley Blackwell, 2010:236-248.
7. **Marshall SW**, Padua DP, McGrath M. Incidence of ACL injury. In: Hewitt TE, Griffin LY, Mandelbaum BR, Shultz SJ (ed). Understanding and Preventing Non-contact ACL Injury. Campaign, IL: Human Kinetics, 2007:5-29.
8. Gilchrist J, Saluja G, **Marshall SW**. Interventions to Prevent Sports and Recreation-Related Injury. In: Doll LS, Bonzo SE, Mercy JA, Sleet DA. Handbook of Injury and Violence Prevention. New York NY: Springer, 2007:117-134.
9. National Research Council, Committee on Youth Population and Military Recruitment (Sackett PR, Mavor AS, Armor DJ, Clark NM, Eitelberg MJ, Hansen BJ, Hogan PF, Marras WS, **Marshall SW**, Pate RP, Rapmund G, Schwenk TL, Strickland WJ, Thomas SB, Wagner KD). Assessing Fitness for Military Enlistment: Physical, Medical, and Mental Health standards. Board on Behavioral, Cognitive, and Sensory Sciences, Division of Behavioral and Social Sciences and Education. Washington DC: National Academy Press, 2006.
10. Saluja G, **Marshall SW**, Gilchrist J, Schroeder T. Sports and recreational injuries. In: Liller K (ed). Injury Prevention for Children and Adolescents. Washington DC: American Public Health Association, 2005: 233-260.
11. **Marshall SW**. Prevalence and incidence. In: Kempf-Leonard K (ed). Encyclopedia of Social Medicine, volume 3. New York NY: Elsevier, 2005: 141-147.
12. Beutler A, **Marshall SW**. Epidemiology and prevention of sports injury. In: Garrick JG (ed). Orthopedic Knowledge Update Volume 3: Sports Medicine. Rosemont IL: American Academy of Orthopedic Surgeons, 2003: 369-278.

(b) Articles in Peer-Reviewed Journals (*=student-led or resident-led paper)

1. Sandt LS, Proescholdbell SK, Evenson KR, Robinson WR, Rodriguez DA, Harmon KJ, **Marshall SW**. Comparative Analysis of Pedestrian Injuries using Police, Emergency Department, and Death Certificate Data Sources in North Carolina, U.S., 2007–2012. *Transportation Research Record*. 2020 <https://doi.org/10.1177/0361198120931504>
2. Naumann RB, Shiue K, Hezaveh AM, **Marshall SW**, Cherry CR. Connections Between Opioids and Road Injury: Linkage of Prescription Monitoring and Crash Databases. *Am J Prev Med*. 2020 Mar;58(3):461-466. doi: 10.1016/j.amepre.2019.10.006. Epub 2019 Dec 19. PMID: 3186621
3. *Bjornstad EC, Muronya W, Smith ZH, Gibson K, Mottl AK, Charles A, **Marshall SW**, Golightly YM, Munthali CK, Gower EW. Incidence and epidemiology of acute kidney injury in a pediatric Malawian trauma cohort: a prospective observational study. *BMC Nephrol*. 2020 Mar 14;21(1):98. doi: 10.1186/s12882-020-01755-3. PMID: 32169046; PMCID: PMC7071651.
4. Register-Mihalik JK, Kay MC, Kerr ZY, Peck KY, Houston MN, Gildner P, Svoboda SJ, **Marshall SW**, Cameron KL. Influence of Concussion Education Exposure on Concussion-Related Educational Targets and Self-Reported Concussion Disclosure among First-Year Service Academy Cadets. *Mil Med*. 2020 Mar 2;185(3-4):e403-e409. doi: 10.1093/milmed/usz414. PMID: 31789379.
5. International Olympic Committee Injury and Illness Epidemiology Consensus Group: Bahr R, Clarsen B, Derman W, Dvorak J, Emery CA, Finch CF, Hägglund M, Junge A, Kemp S, Khan KM, **Marshall SW**, Meeuwisse W, Mountjoy M, Orchard JW, Pluim B, Quarrie KL, Reider B, Schwellnus M, Soligard T, Stokes KA, Timpka T, Verhagen E, Bindra A, Budgett R, Engebretsen L, Erdener U, Chamari K. International Olympic Committee Consensus Statement: Methods for Recording and Reporting of Epidemiological Data on Injury and Illness in Sports 2020 (Including the STROBE Extension for Sports Injury and Illness Surveillance (STROBE-SIIS)). *Br J Sports Med*. 2020 Feb 18. pii: bjsports-2019-101969. doi: 10.1136/bjsports-2019-101969. PMID: 32071062; also published in *Orthop J Sports Med*. 2020 Feb 18;8(2):2325967120902908. doi: 10.1177/2325967120902908. eCollection 2020 Feb. PubMed PMID: 32118084; PubMed Central PMCID: PMC7029549.
6. *Bjornstad EC, **Marshall SW**, Mottl AK, Gibson K, Golightly YM, Charles A, Gower EW. Racial and health insurance disparities in pediatric acute kidney injury in the USA. *Pediatr Nephrol*. 2020 Jan 29. doi: 10.1007/s00467-020-04470-1. [Epub ahead of print] PubMed PMID: 31997077.
7. Register-Mihalik JK, **Marshall SW**, Kay MC, Kerr ZY, Peck KY, Houston MN, Linnan LA, Hennink-Kaminski H, Gildner P, Svoboda SJ, Cameron KL. Perceived social norms and concussion-disclosure behaviours among first-year NCAA student-athletes: implications for concussion prevention and education. *Res Sports Med*. 2020 Jan 25:1-11. doi: 10.1080/15438627.2020.1719493. [Epub ahead of print] PubMed PMID: 31984812.
8. *Austin AE, Gottfredson NC, Halpern CT, Zolotor AJ, **Marshall SW**, Parrish JW, Shanahan ME. Patterns of Risk and Protective Factors Among Alaska Children: Association With Maternal and Child Well-Being. *Child Dev*. 2020 Jan 22. doi: 10.1111/cdev.13356. [Epub ahead of print] PubMed PMID: 31967335.
9. *Alexandridis AA, Dasgupta N, Ringwalt CL, Rosamond WD, Chelminski PR, **Marshall SW**. Association between opioid analgesic therapy and initiation of buprenorphine management: An analysis of prescription drug monitoring program data. *PLoS One* 2020 Jan 10;15(1):e0227350. doi: 10.1371/journal.pone.0227350. eCollection 2020. PubMed PMID: 31923197; PubMed Central PMCID: PMC6953786.
10. Naumann RB, Shiue K, Hezaveh AM, **Marshall SW**, Cherry CR. Connections Between Opioids and Road Injury: Linkage of Prescription Monitoring and Crash Databases. *Am J Prev Med*. 2020 Mar;58(3):461-466. doi: 10.1016/j.amepre.2019.10.006. Epub 2019 Dec 19. PubMed PMID: 31866210.

11. Kliethermes SA, Nagle K, Côté J, Malina RM, Faigenbaum A, Watson A, Feeley B, **Marshall SW**, LaBella CR, Herman DC, Tenforde A, Beutler AI, Jayanthi N. Impact of youth sports specialisation on career and task-specific athletic performance: a systematic review following the American Medical Society for Sports Medicine (AMSSM) Collaborative Research Network's 2019 Youth Early Sport Specialisation Summit. *Br J Sports Med.* 2020 Feb;54(4):221-230. doi:10.1136/bjsports-2019-101365. Epub 2019 Nov 18. PubMed PMID: 31740483.
12. *Austin AE, Gottfredson NC, Zolotor AJ, Halpern CT, **Marshall SW**, Parrish JW, Shanahan ME. Preconception and Prenatal Predictors of Early Experiences of Risk and Protection Among Alaska Children. *Matern Child Health J.* 2020 Jan;24(1):82-89. doi: 10.1007/s10995-019-02823-3. PubMed PMID: 31664693.
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14. Mihalik JP, Wasserman EB, Teel EF, **Marshall SW**. Head Impact Biomechanics Differ Between Girls and Boys Youth Ice Hockey Players. *Ann Biomed Eng.* 2020 Jan;48(1):104-111. doi: 10.1007/s10439-019-02343-9. Epub 2019 Aug 21. PubMed PMID: 31435751.
15. Naumann RB, Kuhlberg J, Sandt L, Heiny S, Kumfer W, **Marshall SW**, Lich KH. Integrating complex systems science into road safety research and practice, Part 2: applying systems tools to the problem of increasing pedestrian death rates. *Inj Prev.* 2019 Dec 17. pii: injuryprev-2019-043316. doi: 10.1136/injuryprev-2019-043316. [Epub ahead of print] PubMed PMID: 31848213.
16. Register-Mihalik JK, Kay MC, Kerr ZY, Peck KY, Houston MN, Gildner P, Svoboda SJ, **Marshall SW**, Cameron KL. Influence of Concussion Education Exposure on Concussion-Related Educational Targets and Self-Reported Concussion Disclosure among First-Year Service Academy Cadets. *Mil Med.* 2019 Dec 2. pii: usz414. doi:10.1093/milmed/usz414. [Epub ahead of print] PubMed PMID: 31789379.
17. Register-Mihalik JK, Guskiewicz KM, **Marshall SW**, McCulloch KL, Mihalik JP, Mrazik M, Murphy I, Naidu D, Ranapurwala SI, Schneider K, Gildner P, McCrea M, Active Rehab Study Consortium Investigators. Methodology and Implementation of a Randomized Controlled Trial (RCT) for Early Post-concussion Rehabilitation: The Active Rehab Study. *Front Neurol.* 2019 Nov 8;10:1176. doi: 10.3389/fneur.2019.01176. eCollection 2019. PubMed PMID: 31781021; PubMed Central PMCID: PMC6856221.
18. *Roos KG, Kucera KL, Golightly YM, Myers JB, Rosamond WD, **Marshall SW**. Variability in the identification and reporting of overuse injuries among sports injury surveillance data collectors. *Athl Train Sports Health Care.* 2019;11(3):143-146. doi: 10.3928/19425864-20190214-01. Epub 2019 Mar 25. PubMed PMID: 31772716; PubMed Central PMCID: PMC6879062.
19. Song K, Wikstrom EA, Tennant JN, Guskiewicz KM, **Marshall SW**, Kerr ZY. Osteoarthritis Prevalence in Retired National Football League Players With a History of Ankle Injuries and Surgery. *J Athl Train.* 2019 Nov;54(11):1165-1170. doi: 10.4085/1062-6050-421-18. Epub 2019 Sep 25. PubMed PMID: 31553650; PubMed Central PMCID: PMC6863693.
20. Naumann RB, Kuhlberg J, Sandt L, Heiny S, Apostolopoulos Y, **Marshall SW**, Lich KH. Integrating complex systems science into road safety research and practice part 1: review of formative concepts. *Inj Prev.* 2019 Sep 24. pii: injuryprev-2019-043315. doi: 10.1136/injuryprev-2019-043315. [Epub ahead of print] PubMed PMID: 31551366.
21. Davies MAM, Kerr ZY, DeFreese JD, Arden NK, **Marshall SW**, Guskiewicz KM, Padua DA, Pietrosimone B. Prevalence of and Risk Factors for Total Hip and Knee Replacement in Retired National Football League Athletes. *Am J Sports Med.* 2019 Oct;47(12):2863-2870. doi: 10.1177/0363546519870804. Epub 2019 Sep 9. PubMed PMID: 31498654.
22. Naumann RB, Durrance CP, Ranapurwala SI, Austin AE, Proescholdbell S, Childs R, **Marshall SW**, Kansagra S, Shanahan ME. Impact of a community-based naloxone distribution program on opioid overdose death rates. *Drug Alcohol Depend.* 2019 Nov 1;204:107536. doi:10.1016/j.drugalcdep.2019.06.038. Epub 2019 Aug 30. PubMed PMID: 31494440.
23. *Herzog MM, Mack CD, Dreyer NA, Wikstrom EA, Padua DA, Kocher MS, DiFiori JP, **Marshall SW**. Ankle Sprains in the National Basketball Association, 2013-2014 Through 2016-2017. *Am J Sports Med.* 2019 Sep;47(11):2651-2658. doi: 10.1177/0363546519864678. Epub 2019 Aug 7. PubMed PMID: 31389712.

24. *Austin AE, Gottfredson NC, Zolotor AJ, Halpern CT, **Marshall SW**, Naumann RB, Shanahan ME. Trajectories of child protective services contact among Alaska Native/American Indian and non-Native children. *Child Abuse Negl.* 2019 Sep;95:104044. doi: 10.1016/j.chiabu.2019.104044. Epub 2019 Jun 26. PubMed PMID: 31254951; PubMed Central PMCID: PMC6667300.
25. Knapik JJ, Hoedebecke BL, Rogers GG, Sharp MA, **Marshall SW**. Effectiveness of Mouthguards for the Prevention of Orofacial Injuries and Concussions in Sports: Systematic Review and Meta-Analysis. *Sports Med.* 2019 Aug;49(8):1217-1232. doi:10.1007/s40279-019-01121-w. Review. PubMed PMID: 31148073.
26. *Herzog MM, Kerr ZY, **Marshall SW**, Wikstrom EA. Epidemiology of Ankle Sprains and Chronic Ankle Instability. *J Athl Train.* 2019 Jun;54(6):603-610. doi:10.4085/1062-6050-447-17. Epub 2019 May 28. Review. PubMed PMID: 31135209; PubMed Central PMCID: PMC6602402.
27. Register-Mihalik JK, Cameron KL, Kay MC, Kerr ZY, Peck KY, Houston MN, Linnan LA, Hennink-Kaminski H, Gildner P, Svoboda SJ, **Marshall SW**. Determinants of intention to disclose concussion symptoms in a population of U.S. military cadets. *J Sci Med Sport.* 2019 May;22(5):509-515. doi: 10.1016/j.jsams.2018.11.003. Epub 2018 Nov 14.
28. *Naumann RB, **Marshall SW**, Lund JL, Skinner AC, Ringwalt C, Gottfredson NC. Health Care Utilization and Comorbidity History of North Carolina Medicaid Beneficiaries in a Controlled Substance "Lock-in" Program. *N C Med J.* 2019 May-Jun;80(3):135-142. doi: 10.18043/ncm.80.3.135. PubMed PMID: 31072939.
29. Naumann RB, Heiny S, Evenson KR, LaJeunesse S, Cooper JF, Doggett S, **Marshall SW**. Organizational networks in road safety: Case studies of U.S. Vision Zero cities. *Traffic Inj Prev.* 2019 Apr 30:1-8. doi: 10.1080/15389588.2019.1587752. [Epub ahead of print] PubMed PMID: 31039036.
30. McCrea M, Broglio S, McAllister T, Zhou W, Zhao S, Katz B, Kudela M, Harezlak J, Nelson L, Meier T, **Marshall SW**, Guskiewicz KM; CARE Consortium Investigators. Return to play and risk of repeat concussion in collegiate football players: comparative analysis from the NCAA Concussion Study (1999-2001) and CARE Consortium (2014-2017). *Br J Sports Med.* 2019 Apr 29. pii: bjsports-2019-100579. doi: 10.1136/bjsports-2019-100579. [Epub ahead of print] PubMed PMID: 31036562.
31. Kerr ZY, Register-Mihalik JK, Pryor RR, Pierpoint LA, Scarneo SE, Adams WM, Kucera KL, Casa DJ, **Marshall SW**. The Association between Mandated Preseason Heat Acclimatization Guidelines and Exertional Heat Illness during Preseason High School American Football Practices. *Environ Health Perspect.* 2019 Apr;127(4):47003. doi: 10.1289/EHP4163. PubMed PMID: 30969138.
32. Wasserman EB, Sauers EL, Register-Mihalik JK, Pierpoint LA, Currie DW, Knowles SB, Dompier TP, Comstock RD, **Marshall SW**, Kerr ZY. The First Decade of Web-Based Sports Injury Surveillance: Descriptive Epidemiology of Injuries in US High School Boys' Baseball (2005-2006 Through 2013-2014) and National Collegiate Athletic Association Men's Baseball (2004-2005 Through 2013-2014). *J Athl Train.* 2019 Feb;54(2):198-211. doi: 10.4085/1062-6050-239-17. PubMed PMID: 30951387; PubMed Central PMCID: PMC6464305.
33. Pierpoint LA, Caswell SV, Walker N, Lincoln AE, Currie DW, Knowles SB, Wasserman EB, Dompier TP, Comstock RD, **Marshall SW**, Kerr ZY. The First Decade of Web-Based Sports Injury Surveillance: Descriptive Epidemiology of Injuries in US High School Girls' Lacrosse (2008-2009 Through 2013-2014) and National Collegiate Athletic Association Women's Lacrosse (2004-2005 Through 2013-2014). *J Athl Train.* 2019 Jan;54(1):42-54. doi: 10.4085/1062-6050-201-17. PubMed PMID: 30848952; PubMed Central PMCID: PMC6410991.
34. Pierpoint LA, Lincoln AE, Walker N, Caswell SV, Currie DW, Knowles SB, Wasserman EB, Dompier TP, Comstock RD, **Marshall SW**, Kerr ZY. The First Decade of Web-Based Sports Injury Surveillance: Descriptive Epidemiology of Injuries in US High School Boys' Lacrosse (2008-2009 Through 2013-2014) and National Collegiate Athletic Association Men's Lacrosse (2004-2005 Through 2013-2014). *J Athl Train.* 2019 Jan;54(1):30-41. doi: 10.4085/1062-6050-200-17. PubMed PMID: 30848953; PubMed Central PMCID: PMC6410990.
35. Wasserman EB, Register-Mihalik JK, Sauers EL, Currie DW, Pierpoint LA, Knowles SB, Dompier TP, Comstock RD, **Marshall SW**, Kerr ZY. The First Decade of Web-Based Sports Injury Surveillance: Descriptive Epidemiology of Injuries in US High School Girls' Softball (2005-2006 Through 2013-2014) and National Collegiate Athletic Association Women's Softball (2004-2005 Through 2013-2014). *J Athl Train.* 2019 Feb;54(2):212-225. doi: 10.4085/1062-6050-206-17. PubMed PMID: 30951383; PubMed Central PMCID: PMC6464304.

36. Boling MC, Nguyen AD, Padua DA, Cameron KL, Beutler A, **Marshall SW**. Gender-Specific Risk Factor Profiles for Patellofemoral Pain. *Clin J Sport Med*. 2019 Jan 24. doi: 10.1097/JSM.0000000000000719. PMID: 30689611
37. Simon J, Valier ARS, Kerr ZY, Djoko A, **Marshall SW**, Dompier TP. Changes in Patient-Reported Outcome Measures From the Time of Injury to Return to Play in Adolescent Athletes at Secondary Schools With an Athletic Trainer. *J Athl Train*. 2019 Jan 22. doi: 10.4085/1062-6050-553-15. [Epub ahead of print] PMID: 30668134
38. *Alexandridis AA, Dasgupta N, McCort AD, Ringwalt CL, Rosamond WD, Chelminski PR, **Marshall SW**. Associations between implementation of Project Lazarus and opioid analgesic dispensing and buprenorphine utilization in North Carolina, 2009-2014. *Inj Epidemiol*. 2019 Jan 21;6(1):2. doi: 10.1186/s40621-018-0179-2. PMID: 30663005
39. *Naumann RB, Roberts AW, **Marshall SW**, Skinner AC. Evaluation of a Medicaid Lock-in Program: Increased Use of Opioid Use Disorder Treatment but No Impact on Opioid Overdose Risk. *Med Care*. 2019 Mar;57(3):213-217. PMID: 30629016
40. *Sivaraman JJ, Ranapurwala SI, Moracco KE, **Marshall SW**. Association of State Firearm Legislation With Female Intimate Partner Homicide. *Am J Prev Med*. 2019 Jan;56(1):125-133. doi: 10.1016/j.amepre.2018.09.007. PMID: 30573141
41. Kroshus E, Utter AC, Pierpoint LA, Currie DW, Knowles SB, Wasserman EB, Dompier TP, **Marshall SW**, Comstock RD, Kerr ZY. The First Decade of Web-Based Sports Injury Surveillance: Descriptive Epidemiology of Injuries in US High School Boys' Wrestling (2005-2006 Through 2013-2014) and National Collegiate Athletic Association Men's Wrestling (2004-2005 Through 2013-2014). *J Athl Train*. 2018 Dec;53(12):1143-1155. doi: 10.4085/1062-6050-154-17. PMID: 30721631
42. Lynall RC, Mihalik JP, Pierpoint LA, Currie DW, Knowles SB, Wasserman EB, Dompier TP, Comstock RD, **Marshall SW**, Kerr ZY. The First Decade of Web-Based Sports Injury Surveillance: Descriptive Epidemiology of Injuries in US High School Boys' Ice Hockey (2008-2009 Through 2013-2014) and National Collegiate Athletic Association Men's and Women's Ice Hockey (2004-2005 Through 2013-2014). *J Athl Train*. 2018 Dec;53(12):1129-1142. doi: 10.4085/1062-6050-176-17. PMID: 30721630
43. Clifton DR, Hertel J, Onate JA, Currie DW, Pierpoint LA, Wasserman EB, Knowles SB, Dompier TP, Comstock RD, **Marshall SW**, Kerr ZY. The First Decade of Web-Based Sports Injury Surveillance: Descriptive Epidemiology of Injuries in US High School Girls' Basketball (2005-2006 Through 2013-2014) and National Collegiate Athletic Association Women's Basketball (2004-2005 Through 2013-2014). *J Athl Train*. 2018 Nov;53(11):1037-1048. doi: 10.4085/1062-6050-150-17. PMID: 30715913
44. Clifton DR, Onate JA, Hertel J, Pierpoint LA, Currie DW, Wasserman EB, Knowles SB, Dompier TP, **Marshall SW**, Comstock RD, Kerr ZY. The First Decade of Web-Based Sports Injury Surveillance: Descriptive Epidemiology of Injuries in US High School Boys' Basketball (2005-2006 Through 2013-2014) and National Collegiate Athletic Association Men's Basketball (2004-2005 Through 2013-2014). *J Athl Train*. 2018 Nov;53(11):1025-1036. doi: 10.4085/1062-6050-148-17. PMID: 30715912
45. Kerr ZY, Gregory AJ, Wosmek J, Pierpoint LA, Currie DW, Knowles SB, Wasserman EB, Dompier TP, Comstock RD, **Marshall SW**. The First Decade of Web-Based Sports Injury Surveillance: Descriptive Epidemiology of Injuries in US High School Girls' Volleyball (2005-2006 Through 2013-2014) and National Collegiate Athletic Association Women's Volleyball (2004-2005 Through 2013-2014). *J Athl Train*. 2018 Oct;53(10):926-937. doi: 10.4085/1062-6050-162-17. PMID: 30485148
46. Lynall RC, Blackburn JT, Guskiewicz KM, **Marshall SW**, Plummer P, Mihalik JP. Functional balance assessment in recreational college-aged individuals with a concussion history. *J Sci Med Sport*. 2018 Nov 6. pii: S1440-2440(18)30406-7. doi: 10.1016/j.jsams.2018.10.012. PMID: 30446238
47. Kerr ZY, Putukian M, Chang CJ, DiStefano LJ, Currie DW, Pierpoint LA, Knowles SB, Wasserman EB, Dompier TP, Comstock RD, **Marshall SW**. The First Decade of Web-Based Sports Injury Surveillance: Descriptive Epidemiology of Injuries in US High School Boys' Soccer (2005-2006 Through 2013-2014) and National Collegiate Athletic Association Men's Soccer (2004-2005 Through 2013-2014). *J Athl Train*. 2018 Sep;53(9):893-905. doi: 10.4085/1062-6050-166-17. PMID: 30372638

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49. *Herzog MM, **Marshall SW**, Lund JL, Pate V, Mack CD, Spang JT. Trends in Incidence of ACL Reconstruction and Concomitant Procedures Among Commercially Insured Individuals in the United States, 2002-2014. *Sports Health*. 2018 Nov/Dec;10(6):523-531. doi: 10.1177/1941738118803616. PMID: 30355175
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(c) Oral Presentations

1. Kerr ZY, Chandran A, Register-Mihalik J, **Marshall SW**. Bridging the Gap between Scientist and Stakeholder: The Application of Sports Injury Surveillance to Concussion Prevention in Athletes. Council of State and Territorial Epidemiologists. Raleigh NC: Monday, June 03, 2019
2. **Marshall SW**, Zarkin G. Opioids research program. RTI Gillings symposium, March 1, 2019. Research Triangle Park NC.

3. **Marshall SW.** Bending the Curve: Research around NC's State Opioid Action Plan. January 28, 2019. Open House for State Legislators. UNC Gillings School of Global Public Health.
4. **Marshall SW. Keynote Speaker.** "The True Impact of Injuries & Violence: Are Our Programs Equal to the Challenge?" Australasian Injury Prevention Network: Ballarat, Australia. 13-15 November 2017.
5. **Marshall SW,** Dellapenna A, Woody JC. "Message Framing in the Context of Motorcycle Safety Strategies Aimed at Preventing Traumatic Brain Injury" Australasian Injury Prevention Network: Ballarat, Australia. 13-15 November 2017.
6. **Marshall SW,** Golightly YM, Nocera M, Renner J, Beutler AI. "ACL Injury Ages the Knee by 30 Years: The Association between ACL/Meniscal Injury and Knee OsteoArthritis" Australasian Injury Prevention Network: Ballarat, Australia. 13-15 November 2017.
7. **Marshall SW,** Register-Mihalik JK, Guskiewicz KM, McCulloch K, Mihalik JP, McCrea MM, Nelson L, and The Active Rehab Study Group. Role of Rehabilitation in Concussion Management: A Randomized, Controlled Trial. Sports Medicine New Zealand Annual Meeting. Hamilton New Zealand. October 28, 2017 (invited presentation)
8. Crump C, Emery J, Woody JC, Sachdeva N, **Marshall SW.** "Bridging public health research and practice: A framework to develop professional learning opportunities for injury and violence prevention" Symposium at the Annual Meeting of the Society for Advancement of Violence and Injury Research: Ann Arbor, MI. September 19, 2017.
9. Greenspan A, Peek-Asa C, Pollack K, **Marshall SW.** Innovations in Teaching Injury Prevention Science to Graduate Students, Practitioners, and Early-Career Professionals. Symposium at the Annual Meeting of the Society for Advancement of Violence and Injury Research: Ann Arbor, MI. September 19, 2017.
10. Marshall SW, McCrea M, McAlister T, Katz B, Cantrell J, **Broglio S.** School-Level Determinants of Variability in Observed Concussion Incidence in the CARE Consortium. Chicago IL. CARE Consortium Meeting. June 13, 2017.
11. **Marshall SW.** "The Times, They Are A-Changing, Again: How Should We Respond?" UNC Department of Epidemiology June 2, 2017
12. **Marshall SW.** Firearm-related non-fatal injury in NC. 2017 Annual State Health Director's Conference. Raleigh NC: January 19-20, 2017.
13. **Marshall SW.** Lies, Damned Lies, & Statistics: Public Health Measures of Causation, Association, and Burden. Alaska Department of Health and Human Services MCH EPI: Travis Fund Statistical Lecture Series. Anchorage AL. Feb 28, 2016.
14. **Marshall SW,** LaCroix A, Buchner D. Findings from the WHI Objective Physical Activity and Cardiovascular Health (OPACH) Study in Older Women: Characteristics of Older Women who have Falls that are Related to Physical Activity. Gerontological Society of America, Orlando, FL. December 2015.
15. **Marshall SW,** Kerr ZY, Comstock RD. Injury Surveillance in High School and Collegiate Settings: What Do We Know? What Don't We Know? June 24, 2015. National Athletic Trainer's Association, St Louis MO.
16. Dompier TD, **Marshall SW,** Valier AS. Results From The National Athletic Treatment, Injury And Outcomes Network (NATION). June 26, 2015. National Athletic Trainer's Assn, St Louis MO.
17. **Marshall SW,** Collins JW. Using Framing Science for Impactful Injury Policy Communications. Safe States Alliance, Atlanta GA. April 30, 2015.
18. **Marshall SW.** Primary Prevention of Sports-Related Concussion. Society for the Advancement of Violence and Injury Research, New Orleans LA. March 13, 2015.
19. **Marshall SW.** Can Epidemiology Help Make the Word a Better Place? Columbia University, New York NY. Jan 14, 2015.
20. **Marshall SW.** Risk Factors for ACL Injury. International Olympic Committee World Conference on Injury and Illness in Sport. Monte Carlo, Monaco. April 11, 2014.
21. **Marshall SW. Distinguished Guest Speaker,** High Point University School of Health Sciences Distinguished Lecture Series. Concussion, Dementia and Football: Time to End the Game? March 12, 2013
22. **Marshall SW. Keynote Speaker,** 11th World Conference on Injury Prevention and Safety Promotion. Wellington NZ. How Concussions Will Make Sports Safer.
23. **Marshall SW.** Movement Biomechanics, ACL Injury, and Osteo-arthritis. University of North Carolina, Chapel Hill NC. (2012) North Carolina Cartilage - Arthritis Research Alliance Meeting
24. **Marshall SW.** Preventing Injury; the role of academic centers. Mid-Region RAC, Siler City NC. (2011)

25. **Marshall SW.** Biomechanical Risk Factors for ACL Injury. Medical University of South Carolina, Charleston SC. (2010)
26. **Marshall SW.** Injury Prevention and its Importance to Maintenance of Physical Activity. Arnold School of Public Health, University of South Carolina, Columbia SC. (2010)
27. **Marshall SW.** Epidemiologic Studies of ACL Injury: Present, Past, & Future. Keynote address, ACL Research Retreat V. Greensboro, NC. (2010)
28. **Marshall SW.** Preventing Youth Sports Injury: An Evidence-Based Review. American Medical Society for Sports Medicine. Cancun, Mexico (2010).
29. **Marshall SW.** ACL Injury Risk Factors. John A Feagin International Leadership Forum Duke University. (2009)
30. **Marshall SW.** Innovations in Collegiate Sports Injury Surveillance. Kansas City, National Operating Committee for Standards in Athletic Equipment (2009)
31. **Marshall SW,** Hootman J, Klossner D, Guskiewicz KM. Evidence Based Forum: Trends in Concussion Incidence. National Athletic Trainers Association, San Antonio. (2009)
32. **Marshall SW.** Advanced Statistical Methods. American Orthopedic Society for Sports Medicine. Keystone CO (2009).
33. **Marshall SW.** Incidence & Prevalence: Measuring the Burden of Sports Injury. University of Otago, School of Physical Therapy. (2009)
34. **Marshall SW.** Concussion in Children's Sport. University of Otago, William Evans Lecture. (2009)
35. **Marshall SW.** Risk Factors for ACL and other Severe Knee Injuries. University of Otago, Department of Preventive and Social Medicine. (2009)
36. **Marshall SW.** Epidemiologic Measures of Incidence in Sports Injury Research. University of Otago, Department of Human Performance. (2009)
37. **Marshall SW.** Incidence & Prevalence: Understanding & Computing Risks, Rates, and CIs. National Athletic Trainers Association, St Louis. (2008)
38. **Marshall SW.** Science-based prevention of youth sports injuries. NC Institute of Medicine, Task force on Adolescent Health. Cary NC (2008).
39. Shrier I, Hopkins WG, **Marshall SW.** Conversational Forum on "Sample Size Estimation for Research Grant Applications and Institutional Review Boards". American College of Sports Medicine, Indianapolis, Indiana. (2008)
40. Hopkins WG, **Marshall SW.** Colloquium: Biostatistical Guidelines for the Reporting of Research in Exercise Science and Sports Medicine Journals. American College of Sports Medicine, Indianapolis, Indiana. (2008)
41. **Marshall SW.** Confidence intervals for injury rates using surveillance data. American Public Health Association, Washington DC (2007)
42. **Marshall SW.** Quantitative methods for injury research (invited). Society for Advancement of Violence and Injury Research, Columbus OH (2007)
43. **Marshall SW,** Padua DA, Beutler AI, wolf S, Boling MC, Strickland LJ, Thigoen C, DeBerardino TM, Pyne SW, Tokish J, Garrett WE. Muscle Strength, Postural Alignment, and Body Mass as Risk Factors for Incident ACL Injury: Initial Results from the JUMP-ACL Cohort. Society of Military Orthopedic Surgeons, Honolulu, HI (2006).
44. **Marshall SW,** Devine S. Longitudinal Data Analysis (one day workshop) Glaxo-Smith –Kline, RTP, NC (2006).
45. **Marshall SW.** Risk factors for ACL injury in women. UNC-Greensboro Center for Women's Health. (2005).
46. **Marshall SW.** New Tools for Old Problems: The Fusion of Epidemiology and Biomechanics. UNC Injury Prevention Research Center. (2004).
47. Runyan CW, **Marshall SW.** The Legacy of Patricia Waller. American Public Health Association. Washington, DC. (2004).
48. **Marshall SW.** Study power. American Orthopedic Society for Sports Medicine. Quebec City, Quebec, Canada (2004).
49. **Marshall SW.** Prevention of Sports Injuries. American Orthopedic Society for Sports Medicine. Quebec City, Quebec, Canada (2004).
50. **Marshall SW.** Cardiovascular health, nutrition, and physical activity in NFL retirees. American College of Sports Medicine. San Francisco, CA (2003).

51. **Marshall SW**. Use of Generalized Poisson Regression Models for Sports Injury Cohort Studies. Society for Epidemiologic Research. Atlanta, GA (2003).
52. Wojtys E, Kirkendell D, **Marshall SW**. Statistics: the Mean Truth. American Orthopedic Society for Sports Medicine. San Diego, CA (2003).
53. Kocher M, **Marshall SW**. Observational study designs. American Orthopedic Society for Sports Medicine. San Diego, CA (2003).
54. **Marshall SW**. Role of statistics in research. American Orthopedic Society for Sports Medicine. San Diego, CA (2003).
55. **Marshall SW**. Years of Potential Life Lost, Aging, and Injury. UNC-CH Department of Epidemiology. Chapel Hill, NC (2001).
56. **Marshall SW**. Authorship and Ethical Issues in Publishing. UNC-CH School of Public Health Workshop on Writing. Chapel Hill, NC (2001).
57. **Marshall SW**, Mueller FO, Yang J, Weaver NL, Bowling JM. Gender Comparisons of High School Sports Injury. American College of Sports Medicine. Baltimore, MD (2001).
58. **Marshall SW**, Yang J. Injury Databases for Sports Injury Surveillance. American College of Sports Medicine. Baltimore, MD (2001).
59. **Marshall SW**. Longitudinal Data Analysis: Repeated Measures Dichotomous Data. American College of Sports. Baltimore, MD (2001).
60. **Marshall SW**. Epidemiologic Study Designs and Measures for Sports Injury Research. American College of Sports Medicine Annual Meeting. Baltimore, MD (2001).
61. **Marshall SW**, Mueller FO, Kirby DT. Preventing injuries in youth baseball. Oral Presentation, American Public Health Association. Atlanta, GA (2001).
62. **Marshall SW**. Alternating Logistic Regression: Applications to Injury Research. American Public Health Association. Atlanta, GA (2001).
63. **Marshall SW**. Towards a Revised Injury Surveillance System. NCAA Committee on Medical and Safety Standards. Indianapolis, IN. (2000)
64. **Marshall SW**, Loomis DP, Waller AE, Feehan M, Bird YN, Chalmers DJ, Quarrie KL. Effectiveness of protective equipment in a cohort of rugby players. American College of Sports Medicine. Indianapolis, IN (2000).
65. **Marshall SW**, Mueller FO, Weaver NL. Gender Differences in Athletic Injury Rates. Oral presentation, American College of Sports Medicine. Indianapolis, IN (2000).
66. **Marshall SW**. Cost of Sports Injury. National Athletic Trainers Association. Nashville TN (2000).
67. **Marshall SW**, Loomis DP, Waller AE, Feehan M, Bird YN, Chalmers DJ, Quarrie KL. Effectiveness of protective equipment in a cohort of rugby players. American Public Health Association. Chicago, IL (1999).
68. **Marshall SW**. Risk Factors for Injury in Falls from Playground Equipment. Department of Public Health Education, School of Health and Human Performance, Greensboro, NC (1998).
69. **Marshall SW**. Injuries in Falls from Playground Equipment. UNC Highway Safety Research Center, Chapel Hill, NC (1998).
70. **Marshall SW**, Weaver NL, Spicer RS, Miller TR, Mueller FO, Waller AE. Cost of High School Sports Injury in North Carolina. National Surveillance of High School Sports Injury: A Multidisciplinary Planning Conference. Chapel Hill, NC (1998).
71. **Marshall SW**, Mueller FO. Epidemiology of youth baseball injury. American College of Sports Medicine. Denver, CO (1997).
72. **Marshall SW**, Bangdiwala SI. New methods for longitudinal analysis of injury data. American Public Health Association. Indianapolis, IN (1997).
73. **Marshall SW**, Runyan CW, Bangdiwala SI, Linzer MA, Butts JD. Risk factors for death and injury in fatal residential fires. American Public Health Association. Indianapolis, IN (1997).
74. **Marshall SW**, Runyan CW, Bangdiwala SI, Linzer MA, Butts JD. Risk factors for death in fatal residential fires. Annual Regional Burn Seminar. Chapel Hill, NC (1997).
75. **Marshall SW**, McGinnis J. Playground Safety: Making Research Work in the Field. University of North Carolina Injury Prevention Research Center Seminar Series, Chapel Hill, NC (1996).

76. Waller AE, **Marshall SW**. Topics in Injury Surveillance. University of North Carolina Department of Emergency Medicine Grand Rounds, Chapel Hill, NC (1995).
77. **Marshall SW**, Waller AE. Injury Research in New Zealand - Data Sources and Recent Projects. University of North Carolina Injury Prevention Research Center Seminar Series, Chapel Hill, NC (1994).
78. **Marshall SW**, Paul C. Inequalities in health in New Zealand. Public Health Association Seminar (Otago/Southland Branch). Dunedin, New Zealand (1993).
79. **Marshall SW**. The severity of injuries sustained in road crashes - some comparisons between New Zealand and the United States. Injury Prevention Research Centre Seminar. Auckland, New Zealand (1992).
80. **Marshall SW**, Langley JD, Phillips D. Severity and medical costs associated with the road casualty problem in New Zealand. Harborview Injury Prevention Research Center Seminar, Seattle, WA (1992).
81. **Marshall SW**, Langley JD. Injury data sources in New Zealand: strengths and limitations. Public Health Association of New Zealand. Lincoln, New Zealand. (1992).
82. **Marshall SW**, Langley JD, Phillips D. Severity and medical costs associated with the road casualty problem in New Zealand. Association for the Advancement of Automotive Medicine. Portland, OR (1992).
83. **Marshall SW**. Work-related injury among forestry workers in New Zealand. Injury Prevention Research Unit Seminar. Dunedin, New Zealand (1991).
84. Kawachi I, **Marshall S**, Cryer PC, Laird I, Slappendel C, Wright D. Work-related injuries among New Zealand forestry workers: fatalities and hospitalisations. Public Health Association of New Zealand Annual Conference. Hamilton, New Zealand (1991).
85. **Marshall SW**, Kawachi I, Cryer PC. Methodology of a large-scale injury epidemiology study in forestry. Union/Tertiary Research Conference. Wellington, New Zealand (1991).
86. Kawachi I, **Marshall SW**. Trends in the rate of chainsaw injury among New Zealand forestry workers. Australia New Zealand Institute of Foresters. Christchurch, New Zealand (1991).

(d) Other Works

1. **Marshall SW**. Commentary on "Making Meaningful Inferences about Magnitudes". Sport Science 2005;9:43-44.
2. **Marshall SW**. Book Review: "Epidemiology: An Introduction" by K.J. Rothman and "Making Sense of Data" by J.H. Abramson and Z.H. Abramson. Injury Prevention, 2004;10:320.
3. **Marshall SW**, Poole C, Waller AE. Sunscreen use and malignant melanoma risk: the jury is still out (letter). American Journal of Public Health 2003; 2003:93:11-12.
4. **Marshall SW**, Mueller FO, Kirby DT, Yang J. The authors respond re: "Evaluation of safety balls and face guards to prevent injury in youth baseball" (letter). JAMA 2003;290(2):194-195.
5. **Marshall SW**. Do back belts prevent injury (letter)? JAMA 2001;285:1151.
6. Pugh C, Waller AE, **Marshall SW**. Physical activity and public health (letter). JAMA 1995;274:533.

VI. TEACHING RECORD

(a) Classroom Instruction

1. **Co-Instructor, EPID 718 (Regression Models in Epidemiologic Methods)**. Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill. 2009-2010; 2014-2019. (3 credit-hours)
2. **Guest Lecture: SPGH 620-Exploring Public Health**. 2015-2017. (Contact Sports and Head Trauma, Opioids, Transportation Safety).
3. **Lead Instructor, EPID625/626/627: Injury and Violence as a Public Health Problem**. School of Public Health, University of North Carolina at Chapel Hill. 2012, 2014-2017. (3x1credit-hours)
4. **Short Course: Advanced Topics in Survival Analysis; Longitudinal Data Analysis**. International Summer School in Epidemiology, Ulm University, Germany. 2010, 2011, 2016, 2017, 2019.

5. **Lead Instructor, EPID 710 (Introduction to Epidemiologic Methods).** Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill. Fall 2011-2013. (4 credit-hours).
6. **Guest Speaker, EPID 722: Epidemiologic Analysis of Time-to-Event Data.** Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill, 2011-2013. (1 Lecture)
7. **Lead Instructor, EPID 690 (Intervention Epidemiology).** Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill. 2009-2011, 2012. (2 credit-hours)
8. **Lead Instructor, EPID 719 (Readings in Epidemiologic Methods).** Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill. 2009. (1 credit-hour)
9. **Guest Speaker, EPID 710 (Introduction to Epidemiologic Methods).** Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill. 2008-2009. (3 Lectures)
10. **Lead Instructor, EPID 722 (formerly 271): Epidemiologic Analysis of Time-to-Event Data.** Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill. Instructor, 2003-2008. (3 credit-hours)
11. **Co-Instructor, EPID 889 (formerly 300).** Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill. **Readings in Injury Epidemiology:** Co-Instructor, 2002, 2003, 2005. (Instructor: Dana Loomis). (1 credit-hour). **Methods in Sports Injury Epidemiology:** Instructor, 2006.
12. **Instructor (and Co-Instructor), EPID 730 (formerly 369): Advanced Methods for Epidemiology.** Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill. Instructor, 2002, 2004, 2006; Co-Instructor, 2001. 2001: Modeling Hierarchical and Longitudinal Data (1 credit-hour); 2002: Modeling Hierarchical and Longitudinal Data (1 credit-hour); Quantifying Precision and Validity (1 credit-hour). 2004: Longitudinal Data Analysis (1 credit-hour). 2006: Epidemiologic Analysis of Longitudinal and Hierarchical Data (1 credit-hour)
13. **Co-Instructor, EPID 269: Advanced Methods for Epidemiologic Data Analysis.** Instructor: Dr Irva Hertz-Picciotto (1998-99), Dr Jay Kaufman (2000-01). Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill. Co-Instructor, 1998-2001. For 2001: Six weeks (21 lectures) on survival analysis and Poisson regression for epidemiologic studies.
14. **Guest Speaker, HBHE 125: Injury as a Public Health Problem.** Instructors: Dr Carol Runyan and Dr Jonathan Kotch. School of Public Health, University of North Carolina at Chapel Hill. Teaching Assistant 1996, Co-Instructor 1997, Guest Speaker 1999-2010.

(b) Advising/Mentoring

1. **Chair of Dissertation Committee (EPID):** Catherine Scarlet Wolff (in progress), Josie Caves Sivaraman (in progress), Mike Fliss (2019), Mackenzie Herzog (2019, co-chair Dr. Christina Mack), Apostolos Alexandridis (2018; co-chair Dr. Nabarun Dasgupta), Katherine Harmon (2018), Rebecca Naumann (2017), Jared Parrish (2016), Laura Sandt (2016), Rebecca Yau (2016), Karen Roos (2015), Nabarun Dasgupta (2013), Zachary Kerr (2013), Ashley Schoenfisch (2012), Scott Masten (2011), Sudha Raman (2011), Melinda Eaton (2010), Yvonne Golightly (2010), Theresa Cruz (2008), Myduc Ta (2007), Kelly Gurka (2007), Danielle Rentz (2006), Sarah Knowles (2005), Heather Keenan (2004), Mark Schulz (2002).
2. **Member of Dissertation Committee (EPID):** Erica Bjornstad (2019), Jennifer Jones (2016), Katherine Tumlinson (2014), Anisha Ghandhi (2014), Kim Angelon-Gaetz (2014), Catherine Vladitiu (2012), Steven Campbell (2011), Alyssa Mansfield (2009), Brooke Levandowski (2008), Rachel Avery (2007), Jennifer Norton (2006), Jens Levy (2006), Paige Abrahamson (2005), Rosalba Martinez (2005), Jill Koshiol (2005), Kristen Kucera (2006), Maria Mirabelli (2005), Leslie Elliott (2004), Ricardo Pietrobon (2003), Lawrence Park (2002).

3. **Member of Dissertation Committee (other than EPID):** Tim Eckerd (2019), Anna Austin (2019), Elizabeth Teel (2017), Melissa Fraser (2016), Barnett Frank (2016), Robert Lynall (2016), Ashley Littleton (2015), Julianne Schmidt (2013), Ben Goerger (2012), David Bell (2010), Johna Register-Mihalik (2010), Lindsay DiStefano (2009), Dara Mendes (2009), Jason Mihalik (2009), Michelle Boling (2008), Rachel Avery (2007), Cathleen Brown (2006), Jingzhen Yang (2004), Karen McCulloch (2004), James Cavanaugh (2004), Matthew Gurka (2003), Nancy Weaver (2004), Leslie Elliott (2004), Ricardo Pietrobon (2003), James Onate (2002).
4. **Masters Paper - First Reader:** Ben Zarzaur (2006), Joel Clingenpeel (2003), Daniel Macklin (2003), Kristen Kucera (2002)
5. **Masters Paper - Second Reader:** Xiang Zhou (2003), Rachel Avery (2002), Viet Nguyen (2002), Ashley Cole (2001)
6. **Current Advisees:** Josie Caves Sivaraman (doctoral, co-advisor), Katherine Scarlet Wolff (doctoral), Kristin Shiue (doctoral, co-advisor), Bhavna Singichetti (doctoral), Ishrat Islam (doctoral), Mary Figgatt (doctoral, co-advisor).
7. **International External Thesis Examiner:** Arun Prasad Balasundaram (2015 Otago University, Dunedin, New Zealand); Christina Louise Ekegren (2014 Monash University, Melbourne Australia); Osman Ahmed (2013 Otago University, Dunedin, New Zealand); Doug King (2010 AUT university, Auckland, New Zealand)

VII. GRANTS

(a) Active Grants

1. Marshall SW (PI), Bowling J, Brinkley-Rubinstein L, Bush M, Charles A, Crump C, Dasgupta N, Daughters S, Dixon K, Foshee V, Golightly Y, Guskiewicz K, Halpern C, Lich KH, Hennink-Kaminski H, Jones D, Jonsson-Funk M, Kerr Z, Kucera K, Lanier P, Linnan L, Macy R, Marshall B, Martin S, McDonald N, Mihalik J, Mihas P, Moracco K, Naumann R, Oser C, Padua D, Perreira L, Platts-Mills T, Preisser J, Proescholdbell S, Ranapurwala S, Register-Mihalik J, Reyes HLM, Richardson D, Ringwalt C, Rosen D, Shanahan M, Suchindran C, Waller A, Zolotor A. **UNC Injury Prevention Research Center.** National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. 8/1/2019–7/31/2024. \$4,201,429. (R49 CE003092)
2. Richardson D (PI), Marshall SW, Ranapurwala SI, Preisser J. **Trends and Disparities in Fatal Occupational Injury in North Carolina.** CDC/NIOSH. 9/01/2018 – 08/31/2022 \$1,312,488
3. Dasgupta N (PI), Slavova S (co-PI), Bunn T, Ripptoe P, Ranapurwala SI, Jonsson Funk M. **Methodological Advances in Evaluating Abuse Deterrent Opioid Analgesics.** Food and Drug Administration. 09/01/2018-08/31/2021. \$6,899,714
4. Ranapurwala SI (PI), Naumann RB, Marshall SW. **Evaluation of state-mandated acute and post-surgical pain-specific opioid prescribing guidelines.** CDC/NCIPC. 9/29/2018-9/28/2021 \$1,466,750
5. Kerr ZY (PI), Register-Mihalik JR (co-PI), Go V, Guskiewicz KM, Marshall SW. **Popular Opinion Leaders as a Sports Concussion Prevention Strategy in Middle Schools.** Centers for Disease Control and Prevention, National Center for Injury Control and Prevention. 9/15/2017-9/14/2020. \$1,650,000
6. Harkey D (PI), Sandt L, Mozingo C, Clamann M, Dumbaugh E, Grembek O, Khattak A, Marshall SW, McDonald N. **Collaborative Sciences Center for Road Safety.** Agency: US Department of Transportation (DOT). 11/30/2016- 9/30/2022. \$14,021,500.
7. Waller AE, Hargrove JJ, Marshall SW. **Strategic Implementation Plan for Linking Crash Reports and Health Outcomes Data in NC.** Agency: North Carolina Governor's Highway Safety Commission. 10/1/2016 – 9/30/2019. \$615,526
8. Collins JW, Marshall SW, Dellapenna A. **Regional Network Coordinating Organization.** Agency: NC Dept of Health and Human Services. \$375,000. 10/01/2016 - 9/31/2021.
9. Marshall SW, Bland E, Dellapenna A. **Development of the North Carolina Injury Prevention Workforce.** Agency: NC Dept of Health and Human Services. \$375,000. 10/01/2016 - 9/31/2021.
10. Moracco KE (PI), Macy R (co-PI), McNaughton L, Martin SL, Marshall SW. **A Randomized Trial of Wise Guys Next Level.** Centers for Disease Control and Prevention, National Center for Injury Control and Prevention. 9/30/2016-9/29/2020. \$1,795,228
11. Register-Mihalik J (PI), Guskiewicz KM, McCrea M, Marshall SW, Mihalik J, McCulloch KM. **Role of Active Rehabilitation in Concussion Management: A Randomized Controlled Trial.** National Football League. 05/01/2016 – 04/30/2020. \$2,599,957

(b) Completed Grants

- 12.
13. Marshall SW (PI), Moracco KE, Linnan L, Guskiewicz KM, Mihalik JP, Register-Mihalik J, Foss RD, Goodwin AR, Ringwalt CL, Shanahan MH. **UNC Injury Prevention Research Center**. Agency: National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. 8/1/14–7/31/19. \$4,011,500
14. Jordan JM (PI), Callahan L (co-PI), Rini C, Marshall SW, Golightly YM, Patterson C, et al. **NIAMS Multidisciplinary Clinical Research Center**. Agency: National Institute of Arthritis, Musculoskeletal, and Skin Disorders, National Institutes of Health. 07/19/2013 - 06/30/2019. \$5,595,390. Marshall SW, Shanhan M, Fliss M. **CSRS 2.0: Enhancing North Carolina's Controlled Drug Reporting System**. Agency: NC Dept of Health and Human Services. \$168,000. 3/01/2017 - 2/28/2018
15. Cameron KL (PI), Marshall SW, Padua DA, DiStefano LJ. **Developing Lower Extremity Injury Prediction Models and Evaluating Targeted Injury Prevention Intervention Strategies**. DoD Military Operational Medicine Research Program. 4/04/2016 - 4/03/2017. \$144,982.
16. Register-Mihalik J (PI), Marshall SW, Guskiewicz KM, Linnan L, Hennik-Kaminski H, Cameron KL. **Concussion Disclosure Behaviors, Attitudes, Norms, and Knowledge in Civilian and Military Emerging Adults**. NCAA-DOD Grand Alliance. 03/01/2016 – 2/28/2018. \$400,000.
17. Svoboda S (PI), Cameron KL, Driban J, Marshall SW. **Longitudinal Assessment of Post-Traumatic Osteoarthritis after Major Knee Joint Injury Using Biomarkers of Cartilage Turnover**. DoD CDMRP (Congressionally Directed Medical Research Program) PRORP (Peer-Reviewed Orthopedic Research Program). 10/01/2015 - 09/30/2017. \$193,659.
18. Cameron KL (PI), Marshall SW, Nocera M, Pavliscsak H, Little J, Allen K, Golightly YM, Nelson A, Pietrosimone BG. **Using a Telehealth Platform to Deliver Innovative Therapeutic Care for Military Service Members at High Risk for Post-traumatic Osteoarthritis**. U.S. Army Medical Department Advanced Medical Technology Initiative. 09/15/2015 - 03/14/2018. \$100,865
19. Crump C (PI), Letournau R, Marshall SW, Dellepenna A. **Childhood Injury & Violence (CIV) Networking, Training, and Technical Assistance (NTTA) Project**. Agency: John Rex Endowment. 12/17/2014 - 12/15/201. \$668,268.00
20. Smokowski PR (PI), Guo G, Rose R, Ballaco M. **North Carolina Rural Academic Center for Excellence in Youth Violence Prevention**. National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. 09/30/2010 – 09/29/2016. \$5,011,500
21. Waller AE (PI), Marshall SW. **Motor Vehicle Crash Injuries in Wake County, NC: Exploring available data sources and potential data linkages**. Agency: North Carolina Governor's Highway Safety Commission. 10/1/2014 – 9/30/2017. \$135,300.
22. Collins JW, Marshall SW, Dellapenna A. **South by SouthWest Injury Prevention Regional Network**. Agency: NC Dept of Health and Human Services. \$200,000. 10/01/2012 - 9/31/2016.
23. Cameron KL (Lead PI), Marshall SW (Partnering PI) Padua DA, Beulter AI, Cameron KL, DiStefano KJ, DeLaMotte S. **The Effect of a Neuromuscular Training Program on Reducing the Incidence of Lower Extremity Stress Fractures in Military Service Members**. Agency: Congressionally Directed Medical Research Program. 09/01/2011-08/31/2015. \$349,880.
24. Runyan CW (PI), Bowling JM, Bandgiwala SI, Marshall SW, Foshee V, Casteel C, Blalock S, Guskiewicz KM. **UNC Injury Prevention Research Center** (PI). Agency: National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. 09/1/09–8/31/15 (no-cost extension). \$1,910,834
25. LaCroix A (PI), Buchner D, Lamonte Michael, Marshall S (5%), Herring A, I-Min L, Evenson K, Lewis E, Prentice R. R01-HL105065. **Objective Physical Activity and Cardiovascular Health in Women Aged 80 and Older**. Agency: NIH/NHLBI. 04/01/2011 - 03/31/2015. \$4,747,107
26. Register-Mihalik J (PI), Guskiewicz KM, Marshall SW. **Prospective evaluation of pediatric sport related TBI in the community practice setting: Comparison of presentation and outcomes among mild and more severe injuries**. Agency: National Operating Committee on Standards for Athletics (NOCSAE) 9/15/2014- 7/01/2015. \$189,978
27. Marshall SW (PI), Wolf SH. **Management and Oversight of the Datalys Center's Injury Surveillance System**. Agency: Datalys Center for Sports Injury Research and Prevention. 10/1/08 – 7/31/12. \$359,541.

28. Guskiewicz KM (PI), Marshall SW (co-PI). **Association Between Football Exposure And Dementia In Retired Football Players.** Agency: NFL Charities, 01/01/2011-06/30/2012. \$99,616
29. Boling M, Marshall SW, Padua DA, Beulter AI, Cameron KL. **Epidemiology of Patellofemoral Pain Syndrome: Identifying Gender Specific Risk Factors.** Agency: NIH/NIAMS & NIH/ORWH. 08/01/2010 - 06/30/2012. \$145,733
30. Dompier T (PI), Marshall SW, Fritz J, Irwin D, Lincoln AE, Caswell S, Almquist J. **NATA-NATION: Secondary School Injury Surveillance and Outcomes System.** Agency: National Athletic Trainers Association. 07/01/2010 – 06/30/2013. \$374,454 (Grant awarded to the Datalys Center for Sports Injury Research and Prevention).
31. Mihalik J, Guskiewicz KM, Cantu RC, Marshall SW **A prospective biomechanical and neuropsychological study of head trauma in women's ice hockey.** Agency: National Operating Committee on Standards for Athletic Equipment. 2/01/2012-1/31/2014. \$338,967.
32. Mihalik J, Guskiewicz KM, Cantu RC, Marshall SW. **The effect of hyperbaric oxygen therapy on acute treatment of sport-related traumatic brain injuries: A double blind randomized clinical trial.** Agency: National Operating Committee on Standards for Athletic Equipment. 2/01/2013-1/31/2015. \$91,616
33. Guskiewicz KM, Mihalik J, Smith JK, Lin W, Ciocco M, **Marshall SW**, Hooker D, Oliaro S, McCrea M, Cantu RC, Greenwald R. **Prospective Investigation Of Sport-Related Concussion: Relationship Between Biomechanical, Neuroanatomical, And Clinical Factors.** Agency: National Operating Committee for Standards in Athletic Equipment. 1/30/2009 – 1/29/2011. \$140,891.
34. Wing SB (PI), Serre M, Aitken M, Grant G, Hale R Greenberg G, Marshall SW. **Local health impacts of land application of sewage sludge.** Agency: National Institute of Environmental Health Sciences, NIH. 4/1/07 – 3/31/12. \$1,938,546
35. Cameron KL (PI), Sturdivant RL, Marshall SW, Lincoln AE. **Incidence of TBI, MTBI and PCS among US Service Members between 1997 and 2007.** Agency: US Army Medical Research Acquisitions Activity. 08/01/08 – 07/31/11.
36. Guskiewicz KM, Mihalik J, Marshall SW, Greenwald R, McCrea M. **Prospective Evaluation of Head Impacts in Youth Ice Hockey.** 1/1/08 – 12/31/10. Agency: National Operating Committee for Standards in Athletic Equipment. \$159,261.
37. Marshall SW (PI), Padua D, Guskiewicz K, Yu B, Bangdiwala SI, Evenson K, Wolf S, Boden B, Beutler A, De Maio M, Pyne S, Garrett WE, Gilchrist J, Jones B, Kirkendall D, Odegard K, Tokish J, Onate J, Toth A, Taylor D, Mountcastle S, DeBerardino T, Nelson B. **Epidemiology of Jump-Landing Movements and ACL Injury (JUMP-ACL).** Agency: National Institute of Arthritis, Musculoskeletal, and Skin Disorders, National Institutes of Health. 3/1/05 - 2/28/11. \$2,793,004.
38. Mueller FO (PI), Marshall SW, Goldberg B. **Injuries to Youth Pitchers in Baseball.** Agency: Yawkey Foundation. 3/1/06 - 2/28/11. \$500,000.
39. Kucera KL, Marshall SW. **Validity of the National Collegiate Athletic Association's Injury Surveillance System.** Agency: Collegiate Athletic Association. \$ 125,716; September 1, 2007 – August 31, 2009.
40. Wing SB (PI), Foarde K, Grant G, Marshall SW, Meyer M, Raymer J, Ryder R, Schiffman S, Thu K, Wolf S. **Community Health Effects of Industrial Hog Operations.** Agency: National Institute for Environmental Health Sciences, National Institutes of Health. \$US 1,798,723; September 1, 2001 – August 31, 2006.
41. Cruz T (PI), Marshall SW. **Acculturation and the risk of violence among Hispanic Youth.** Agency: National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. \$US 24,944, 8/31/07–8/30/08.
42. Marshall SW (PI), Padua D, Guskiewicz KM, Yu B, Garrett WE. **Descriptive Epidemiology of Injury to the Cruciate Ligaments.** Agency: Research and Education Foundation, National Athletic Trainers Association. 7/1/06 - 12/31/06. \$13,730.
43. Marshall SW (PI), Padua D. **Preventing ACL Injury in Youth Soccer: Effect of a Customized Intervention.** Agency: UNC University Research Council. 5/1/06 - 4/30/08. \$3,000.
44. Mueller FO (PI), Marshall SW (co-PI). **Use of Metal Bats and Risk of Injury to the Pitcher from Batted Balls in Baseball Games.** Agency: Sporting Goods Manufacturer's Association. 3/1/05 - 2/29/08. \$210,166.

45. Guskiewicz KM (PI), Bailes J, Hooker D, Taft T, Marshall SW. **Back Pain in Retired NFL Players.** Agency: Medtronic sofamor Danek. 7/1/04-6/30/07. \$241,000.
46. ** Guskiewicz KM (Team Leader), Marshall SW, Smith JK, Lin W, Ciocco M, Hooker D, Oliaro S, Crowell D, McCrea M, Cantu RC, Bleiberg J, Greenwald R. **Prospective Investigation Of Sport-Related Concussion: Relationship Between Biomechanical, Neuroanatomical, And Clinical Factors** – core project within R49-CE000196-01 “UNC Injury Prevention Research Center” (PI: CW Runyan). Agency: National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. \$US 579,354, 10/1/04–9/30/09.
47. **Sanford CP (PI), Marshall SW, Martin SL, Cruz T, Waller AE, Coyne-Beasley T. **North Carolina Violent Death Reporting System.** Awarded to the North Carolina Department of Health and Human Services by the National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. September 1, 2003 – August 31, 2008. \$US 1,386,475.
48. Marshall SW (PI), Richardson D, Loomis D. **Trends in Fatal Occupational Injury in Older Adults.** Agency: National Institute for Occupational Safety and Health, Centers for Disease Control and Prevention. July 6, 2004 – July 5, 2005. \$US 24,900.
49. Marshall SW (PI), Loomis DP, Kaufman J, Wolf S, Gregory E. Agency **Homicide During Robbery: A Case-Control Study (Geographical Modeling).**: National Institute for Occupational Safety and Health, Centers for Disease Control and Prevention. August 1, 2003 – July 31, 2005. \$US 458,454.
50. Marshall SW (PI), Guskiewicz KL, Hogue CC, McCulloch KL. **Assessment of Postural Stability and Neuro-Cognitive Function In Older Adults: A Pilot Study.** Agency: University Research Council, UNC-CH. \$US 3,015.
51. Marshall SW (PI), Padua D, Guskiewicz KM, Anderson J. **Epidemiology of Stress Fractures in Military Cadets.** Agency: UNC-CH Junior Faculty Development Award. January 1, 2005 – December 31, 2005. \$5,000.
52. Marshall SW (PI), Beutler A, Boden B, de Maio M, Garrett W, Guskiewicz KL, Kirkendell DT, Onate J, Padua D, Yu, B. **Epidemiology of Jump-landing Movement and non-contact ACL Injury.** Agency: American Orthopedic Society for Sports Medicine. January 1, 2003 – December 31, 2004. \$US 116,125.
53. Marshall SW(Project Leader), Guskiewicz KL, Hogue CC, McCulloch KL, Sloane P. **Improving Balance in Older Adults: A Pilot Intervention** – core project within “UNC Injury Prevention Research Center” (PI: CW Runyan). Agency: National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. February 1, 2001 – January 31, 2002. \$US 200,034.
54. Runyan CW (PI), Marshall SW, Waller AE, Macklin D. **State of Home Safety in America.** Agency: Lowes Home Safety Council. May 1, 2001 – March 28, 2002. \$US 96,591.
55. **Loomis DP (PI), Richardson D, Schulman M, Marshall SW, Wolf SH. R01-OH03910-01. **Contextual Analysis of Trends in Occupational Injury.** Agency: National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. September 1, 2000 – August 31, 2003. \$US 538,866.
56. **Loomis, DP (PI), Marshall SW (co-PI), Runyan CW, Butts F, Wolf S, Gregory E. **Homicide During Robbery: A Case-Control Study**Agency: National Institute for Occupational Safety and Health, Centers for Disease Control and Prevention. September 28, 1999 - March 28, 2002. \$US 382,528
57. Mueller FO (PI), Marshall SW (co-PI), Kalsbeek WD. **Towards A Revised Injury Surveillance System.** Agency: National Collegiate Athletic Association. February 1, 2000- June 30, 2000. \$US 12,000.
58. Loomis DP (PI), Marshall SW, Moe C, McDonald MA, Wolf S, Lipscomb H. **Occupational Injuries Among Commercial Fishers.** Agency: National Institute for Occupational Safety and Health, Centers for Disease Control and Prevention. June 1, 2000 – May 31, 2003. \$US 475,000.
59. Guskiewicz KM (PI), Mueller FO, **Marshall SW**, McCrea M, Cantu R, Bleiberg J. **Computerized neuropsychological testing for sport-related mild head injury assessment: a prevention initiative.** Agency: National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. \$US 123,446; 9/30/01–9/30/02.
60. **Effectiveness of protective equipment in Little League Baseball** FO Mueller (PI), **SW Marshall** (co-PI). Agency: USA Baseball. January 1, 1997 – December 31, 1999. \$US 150,000.
61. Weaver NL (PI), Marshall SW, Waller AE, Mueller FO, Miller TR, Spicer RS. **The cost of sports injury.** Agency: UNC Injury Prevention Research Center. January 1, 1997 - December 31, 1998. \$US 9,751.

62. Guskiewicz K (PI), McCrea M (co-PI), Barr W, Marshall SW, Mueller F, Randolph C, Smith BW, Cantu R, Kelly J. **A prospective study on injury assessment, return to play, and outcome following concussion in athletes.** Agency: National Collegiate Athletic Association. May 1, 1999 – June 30, 2000. \$US 51,609.
63. Guskiewicz K (PI), Perrin DH, Mueller F, McCrea M, Marshall SW, Hooker DN. **A prospective study on injury assessment, return to play, and outcome following concussion in athletes.** Agency: National Operating Committee on Standards for Athletic Equipment. June 1, 1999 – May 30, 2000. \$US 45,990.
64. Guskiewicz K (PI), Marshall SW, Mueller F, Smith B. **Prospective investigation of Mild Head Injury in sport: a prevention initiative.** Agency: National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. September 29, 1999 – March 28, 2002. \$US 484,912.
65. Chalmers DJ (PI), Waller AE (co-PI), Dixon G, Marshall SW, et al. **A model of sports-related injury: prospective cohort study of risk factors and preventive mechanisms for rugby injury.** Agency: Accident Rehabilitation and Compensation Insurance Corporation, New Zealand, November 1, 1992 - November 1, 1994. \$NZ 361,257.
66. Langley (PI), Marshall SW, J Clarke. **Descriptive epidemiology of injury among farmers, farm workers, and their families.** Agency: Accident Rehabilitation and Compensation Insurance Corporation, New Zealand, January 1, 1993 - December 31, 1994. \$NZ 51,754.
67. Langley JD (PI), Begg DJ (co-PI), Reeder AI, Marshall SW et al., **Lifestyle factors and injury in young adults: a cohort study.** Agency: Accident Rehabilitation and Compensation Insurance Corporation, New Zealand, August 1, 1992 - December 31, 1995. \$NZ 294,861.
68. Kawachi I (PI), Marshall SW, Cryer PC, Laird I, Slappendel C. **Epidemiology of work-related injury among New Zealand forestry workers.** Agency: Accident Compensation Corporation, New Zealand, March 19, 1990 - April 12, 1991. \$NZ 125,036.

VIII. PROFESSIONAL SERVICE

(a) Service to Discipline

1. **Collaborative Research Network Leadership Team**, American Medical Society for Sports Medicine (2016-present)
2. **Scientific Advisory Board**, NBA/GE Healthcare Orthopedics and Sports Medicine Collaboration. (2015-current);
3. **Review Panels:** NIH/NICHHD Pediatric Trauma (2019, 2020), NIH/NIA Elder Abuse Special Emphasis Panel (2017), CDC/NIOSH, Agricultural Health and Safety Centers (2016, 2018), Education and Training Centers (2015); NIH/NICHHD-K Function, Integration, and Rehabilitation Sciences Subcommittee (Invited Discussant, 2014); CDC/NIOSH, Incidence of Needlestick and Sharps Injuries in non-Hospital Health Care Workers (2004); CDC/NIOSH, Evaluation of preventive strategies for workplace violence (2006); NIH/Fogarty International training grant in injury prevention (2010);
4. **Scientific Advisory Board**, Concussion Assessment, Research and Education (CARE) Consortium, NCAA-DOD Grand Alliance (2014-current)
5. **Editorial Boards:** Journal of Athletic Training (2002–present); Medicine & Science in Sport & Exercise (2006-2012); Injury Epidemiology (2013-present)
6. **Advisory Board**, Controlled Substance Reporting System, NC Dept of Health and Human Services (2015-2018)
7. **Executive Committee** (2016-2018); **Conference Planning Committee** (2015-2018), Safe States Alliance
8. **Strategic Advisory Council**, Injury and Violence Prevention Branch, Division of Public Health, NC Dept of Health and Human Services (2011-2016)
9. **Research Associate**, Sport Performance Research Institute, AUT University, Auckland, New Zealand (2008 – present).
10. **Scientific Advisory Board**, “Optimizing Outcomes from Recovery from Ankle Sprains”. Samueli Institute & Uniformed Services University Injury Prevention Research Laboratory. (2012)
11. Board of Directors, **Society for Advancement of Violence and Injury Research** (2009)

12. **International Advisory Board**, Center for Physiotherapy Research, University of Otago, Dunedin, New Zealand (2010 – present).
13. Working Group, **Guidelines on Research Design and Analysis in Exercise Science and Sports Medicine**, American College of Sports Medicine (2008-2009)
14. **National Academy of Sciences Expert Panel**: Committee on Physical and Mental Standards for Military Recruitment (2004-2005).
15. **External Reviewer**, NIOSH Internal proposal “Mortality among Retired National Football League Players”. PI: Sherry Baron (2010)
16. **Department of Defense Expert Panel**: Joint Services Physical Training Injury Prevention Work Group (2004-2005).
17. **Proposal Reviewer**: Workplace Safety and Insurance Board Research Secretariat, Ontario, Canada (2000-2005); National Athletic Trainers Association Education and Research Committee (2001-2005); American Orthopedic Society for Sports Medicine Young Investigator Awards (2003-2005).
18. **Scientific Program Committee Co-Chair**, Injury Control and Emergency Health Services Section, American Public Health Association (2002-03).
19. **Research Committee**, American Orthopedic Society for Sports Medicine (2003 – 2005)
20. **Consultant**, National Collegiate Athletic Association Injury Surveillance System (2000–2006); National Collegiate Athletic Association Injury Surveillance Working Group (2006-2008, 2014-2017).
21. **Medical Advisory Committees** for USA Baseball (1999-2013).
22. **Occasional reviewer**: American Journal of Industrial Medicine, Annals of Emergency Medicine, JAMA, Preventive Medicine, American Journal of Public Health, Accident Analysis and Prevention, American Journal of Epidemiology, Annals of Occupational Hygiene, Journal of Athletic Training, Human Exposure and Risk Assessment, Epidemiology, British Journal of Sports Medicine, Injury Prevention, American Journal of Sports Medicine, Journal of Science in Sports and Exercise.
23. **Reviewer, Conference Abstracts**: Injury Control and Emergency Health Services Section, American Public Health Association (1995-2000); Society for Epidemiologic Research (1999-2001).
24. **Editor**: Monthly Newsletter, Injury Control and Emergency Health Services Section, American Public Health Association (2000-02).

(b) Service within UNC-CH

1. Committee member, Graduate School 5-year review of Biostatistics Department (2019)
2. Committee Chair, Office of Vice Chancellor for Research 5-year review committee, Center for Developmental Science (2016)
3. Department of Epidemiology, Graduate Studies Committee, (2012 - present)
4. Department of Epidemiology, Leader/co-Leader, Injury Epidemiology Program, (2002 - present)
5. Faculty Search Committees: Department of Epidemiology, Injury Epidemiology (2017; 2016; 2014); Department of Dental Ecology Dental Epidemiology; two positions (2008). Department of Exercise and Sport Science (2010, 2012).
6. Department of Epidemiology Qualifying Examination Committee: Methods (2003, 2005, 2009, 2017); Injury (2003, 2004, 2006, 2008, 2010, 2011, 2013, 2015, 2017, 2018)
7. UNC Injury Prevention Research Center, Senior Biostatistician (1999-2011); Core Faculty (2001 - 2011); Director (2011-current)
8. Faculty Council (2005-2006)
9. Research/Conflict of Interest Committee, School of Public Health (2006-2011)
10. Space Committee, Department of Epidemiology, School of Public Health (2006-2008)