Alphabetical (within Statement) Female Athlete Papers Table

Citation	Statement	Percentage Male Participants	Reference Number	Combined Reference Number
Asken, B. M., Bauer, R. M., Guskiewicz, K. M., McCrea, M. A., Schmidt, J. D., Giza, C. C., et al. (2018). Immediate Removal From Activity After Sport-Related Concussion Is Associated With Shorter Clinical Recovery and Less Severe Symptoms in Collegiate Student-Athletes. The American Journal of Sports Medicine, 46(6), 363546518757984–1474. http://doi.org/10.1177/0363546518757984	AMSSM	61.71%	92	92
Asken, B. M., McCrea, M. A., Clugston, J. R., Snyder, A. R., Houck, Z. M., & Bauer, R. M. (2016). "Playing Through It": Delayed Reporting and Removal From Athletic Activity After Concussion Predicts Prolonged Recovery. Journal of Athletic Training, 51(4), 329–335. http://doi.org/10.4085/1062-6050-51.5.02	AMSSM	77.32%	93	93
Barr, W. B., & McCrea, M. (2001). Sensitivity and specificity of standardized neurocognitive testing immediately following sports concussion. Journal of the International Neuropsychological Society, 7(6), 693–702. http://doi.org/10.1017/s1355617701766052	AMSSM	100.00%	15	15
Barr, W. B., Prichep, L. S., Chabot, R., Powell, M. R., & McCrea, M. (2012). Measuring brain electrical activity to track recovery from sport-related concussion. Brain Injury : [BI], 26(1), 58–66. http://doi.org/10.3109/02699052.2011.608216	AMSSM	100.00%	16	16
Black AM, Macpherson AK, Hagel BE, et al. Policy change eliminating body checking in non-elite ice hockey leads to a threefold reduction in injury and concussion risk in 11- and 12-year-old players. British Journal of Sports Medicine. 2016;50(1):55-61. doi:10.1136/bjsports-2015-095103.	AMSSM	96.73%	115	115
Bretzin, A. C., Covassin, T., Fox, M. E., Petit, K. M., Savage, J. L., Walker, L. F., & Gould, D. (2018). Sex Differences in the Clinical Incidence of Concussions, Missed School Days, and Time Loss in High School Student-Athletes: Part 1. The American Journal of Sports Medicine, 46(9), 2263–2269. http://doi.org/10.1177/0363546518778251	AMSSM	60.09%	14	14
Broglio SP, Lapointe A, O'Connor KL, et al. Head impact density: a model to explain the elusive concussion threshold. J Neurotrauma. 2017;34:2675–2683.	AMSSM	100.00%	49	49
Broglio SP, Sosnoff JJ, Ferrara MS. The relationship of athlete-reported concussion symptoms and objective measures of neurocognitive function and postural control. Clin J Sport Med. 2009;19(5):377-382. doi:10.1097/JSM.0b013e3181b625fe.	AMSSM	75.00%	122	122
Broglio, S. P., Katz, B. P., Zhao, S., McCrea, M., McAllister, T., CARE Consortium Investigators. (2018). Test-Retest Reliability and Interpretation of Common Concussion Assessment Tools: Findings from the NCAA-DoD CARE Consortium. Sports Medicine, 48(5), 1255–1268. http://doi.org/10.1007/s40279-017-0813-0	AMSSM	58.92%	33	33
Brooks, M. A., Peterson, K., Biese, K., Sanfilippo, J., Heiderscheit, B. C., & Bell, D. R. (2016). Concussion Increases Odds of Sustaining a Lower Extremity Musculoskeletal Injury After Return to Play Among Collegiate Athletes. The American Journal of Sports Medicine, 44(3), 742–747. http://doi.org/10.1177/0363546515622387	AMSSM	77.33%	97	97
Chin, E. Y., Nelson, L. D., Barr, W. B., McCrory, P., & McCrea, M. A. (2016). Reliability and Validity of the Sport Concussion Assessment Tool-3 (SCAT3) in High School and Collegiate Athletes. The American Journal of Sports Medicine, 44(9), 2276–2285. http://doi.org/10.1177/0363546516648141	AMSSM	76.91%	23	23

Clausen M, Pendergast DR, Willer B, et al. Cerebral blood flow during treadmill exercise is a marker of physiological postconcussion syndrome in female athletes. J Head Trauma Rehabil. 2016;31:215–224	AMSSM	0.00%	68	68
Deshpande, S. K., Hasegawa, R. B., Rabinowitz, A. R., Whyte, J., Roan, C. L., Tabatabaei, A., et al. (2017). Association of Playing High School Football With Cognition and Mental Health Later in Life. JAMA Neurology, 74(8), 909–918. http://doi.org/10.1001/jamaneurol.2017.1317	AMSSM	100.00%	104	104
Dhawan, P. S., Leong, D., Tapsell, L., Starling, A. J., Galetta, S. L., Balcer, L. J., et al. (2017). King-Devick Test identifies real-time concussion and asymptomatic concussion in youth athletes. Neurology. Clinical Practice, 7(6), 464–473. http://doi.org/10.1212/CPJ.0000000000000381	AMSSM	100.00%	29	29
Dompier, T. P., Kerr, Z. Y., Marshall, S. W., Hainline, B., Snook, E. M., Hayden, R., & Simon, J. E. (2015). Incidence of Concussion During Practice and Games in Youth, High School, and Collegiate American Football Players. JAMA Pediatrics, 169(7), 659–665. http://doi.org/10.1001/jamapediatrics.2015.0210	AMSSM	75.00%	25	25
Echlin PS, Tator CH, Cusimano MD, et al. A prospective study of physician-observed concussions during junior ice hockey: implications for incidence rates. Neurosurg Focus. 2010;29(5):E4. doi:10.3171/2010.9.FOCUS10186.	AMSSM	100.00%	121	121
Eckner JT, Chandran S, Richardson JK. Investigating the role of feedback and motivation in clinical reaction time assessment. PM R. 2011;3(12):1092-1097. doi:10.1016/j.pmrj.2011.04.022.	AMSSM	54.84%	128	128
Eckner, J. T., Kutcher, J. S., Broglio, S. P., & Richardson, J. K. (2013). Effect of sport-related concussion on clinically measured simple reaction time. British Journal of Sports Medicine, 48(2), 112–118. http://doi.org/10.1136/bjsports-2012-091579	AMSSM	71.43%	47	47
Eddy R, Goetschius J, Hertel J, Resch J. Test-Retest Reliability and the Effects of Exercise on the King-Devick Test. Clin J Sport Med. 2020;30(3):239-244. doi:10.1097/JSM.0000000000000586.	AMSSM	38.10%	127	127
Elbin, R. J., Sufrinko, A., Schatz, P., French, J., Henry, L., Burkhart, S., et al. (2016). Removal From Play After Concussion and Recovery Time. Pediatrics, 138(3). http://doi.org/10.1542/peds.2016-0910	AMSSM	73.91%	94	94
Erickson KI, Voss MW, Prakash RS, et al. Exercise training increases size of hippocampus and improves memory. Proc Natl Acad Sci USA. 2011;108(7):3017-3022. doi:10.1073/pnas.1015950108.	AMSSM	33.33%	70	70
Fuller GW, Cross MJ, Stokes KA, et al. King-Devick concussion test performs poorly as a screening tool in elite rugby union players: a prospective cohort study of two screening tests versus a clinical reference standard. Br J Sports Med. 2018. doi:10.1136/bjsports-2017-098560.	AMSSM	100.00%	125	125
Galetta, K. M., Brandes, L. E., Maki, K., Dziemianowicz, M. S., Laudano, E., Allen, M., et al. (2011). The King-Devick test and sports-related concussion: study of a rapid visual screening tool in a collegiate cohort. Journal of the Neurological Sciences, 309(1-2), 34–39. http://doi.org/10.1016/j.jns.2011.07.039	AMSSM	83.11%	27	27
Galetta, K. M., Morganroth, J., Moehringer, N., Mueller, B., Hasanaj, L., Webb, N., et al. (2015). Adding Vision to Concussion Testing: A Prospective Study of Sideline Testing in	AMSSM	81.63%	21	21

Youth and Collegiate Athletes. Journal of Neuro-Ophthalmology:35(3), 235–241. http://doi.org/10.1097/WNO.0000000000000226				
Garcia, G.-G. P., Broglio, S. P., Lavieri, M. S., McCrea, M., McAllister, T., CARE Consortium Investigators. (2018). Quantifying the Value of Multidimensional Assessment Models for Acute Concussion: An Analysis of Data from the NCAA-DoD Care Consortium. Sports Medicine, 48(7), 1739–1749. http://doi.org/10.1007/s40279-018-0880-x	AMSSM	61.52%	40	40
Grool AM, Aglipay M, Momoli F, et al. Association Between Early Participation in Physical Activity Following Acute Concussion and Persistent Postconcussive Symptoms in Children and Adolescents. JAMA. 2016;316(23):2504-2514. doi:10.1001/jama.2016.17396.	AMSSM	60.71%	66	66
Hecimovich M, King D, Dempsey AR, Murphy M. The King-Devick test is a valid and reliable tool for assessing sport-related concussion in Australian football: A prospective cohort study. J Sci Med Sport. 2018;21(10):1004-1007. doi:10.1016/j.jsams.2018.03.011.	AMSSM	100.00%	126	126
Herman, D. C., Jones, D., Harrison, A., Moser, M., Tillman, S., Farmer, K., et al. (2017). Concussion May Increase the Risk of Subsequent Lower Extremity Musculoskeletal Injury in Collegiate Athletes. Sports Medicine, 47(5), 1003–1010. http://doi.org/10.1007/s40279-016-0607-9	AMSSM	71.23%	98	98
Hoffman, N. L., Weber, M. L., Broglio, S. P., McCrea, M., McAllister, T. W., & Schmidt, J. D. (2017). Influence of Postconcussion Sleep Duration on Concussion Recovery in Collegiate Athletes. Clinical Journal of Sport Medicine, Publish Ahead of Print, 1–7. http://doi.org/10.1097/JSM.0000000000000538	AMSSM	56.29%	85	85
Houck, Z., Asken, B., Bauer, R., Pothast, J., Michaudet, C., & Clugston, J. (2016). Epidemiology of Sport-Related Concussion in an NCAA Division I Football Bowl Subdivision Sample. The American Journal of Sports Medicine, 44(9), 2269–2275. http://doi.org/10.1177/0363546516645070	AMSSM	100.00%	26	26
Howell, D. R., O'Brien, M. J., Fraser, J., & Meehan, W. P. (2018). Continuing Play, Symptom Severity, and Symptom Duration After Concussion in Youth Athletes. Clinical Journal of Sport Medicine, Publish Ahead of Print, 1–5. http://doi.org/10.1097/JSM.0000000000000570	AMSSM	64.97%	95	95
Hugentobler JA, Vegh M, Janiszewski B, et al. Physical therapy intervention strategies for patients with prolonged mild traumatic brain injury symptoms: A case series. Int J Sports Phys Ther 2015;10:676–89	AMSSM	66.67%	84	84
Janssen PH, Mandrekar J, Mielke MM, et al. High school football and late-life risk of neurodegenerative syndromes, 1956–1970. Mayo Clin Proc. 2017;92:66–71.	AMSSM	100.00%	109	109
Kerr ZY, Yeargin S, Valovich McLeod TC, et al. Comprehensive Coach Education and Practice Contact Restriction Guidelines Result in Lower Injury Rates in Youth American Football. Orthop J Sports Med. 2015;3(7):232596711559457-232596711559458. doi:10.1177/2325967115594578.	AMSSM	100.00%	118	118
Kerr ZY, Yeargin SW, Valovich McLeod TC, Mensch J, Hayden R, Dompier TP. Comprehensive Coach Education Reduces Head Impact Exposure in American Youth Football. Orthop J Sports Med. 2015;3(10):2325967115610545. doi:10.1177/2325967115610545.	AMSSM	100.00%	119	119
Kerr, Z. Y., Evenson, K. R., Rosamond, W. D., Mihalik, J. P., Guskiewicz, K. M., & Marshall, S. W. (2014). Association between concussion and mental health in former collegiate athletes. Injury Epidemiology, 1(1), 28. http://doi.org/10.1186/s40621-014-0028-x	AMSSM	47.18%	101	101
Kerr, Z. Y., Roos, K. G., Djoko, A., Dalton, S. L., Broglio, S. P., Marshall, S. W., & Dompier, T. P. (2017). Epidemiologic Measures for Quantifying the Incidence of Concussion in	AMSSM	70.77%	12	12

National Collegiate Athletic Association Sports. Journal of Athletic Training, 52(3), 167–174. http://doi.org/10.4085/1062-6050-51.6.05				
King, D., Gissane, C., Hume, P. A., & Flaws, M. (2015). The King–Devick test was useful in management of concussion in amateur rugby union and rugby league in New Zealand. Journal of the neurological sciences, 351(1-2), 58-64.	AMSSM	100.00%	124	124
Krolikowski MP, Black AM, Palacios-Derflingher L, Blake TA, Schneider KJ, Emery CA. The Effect of the "Zero Tolerance for Head Contact" Rule Change on the Risk of Concussions in Youth Ice Hockey Players. Am J Sports Med. 2017;45(2):468-473. doi:10.1177/0363546516669701.	AMSSM	96.71%	116	116
Lawrence DW, Richards D, Comper P, Hutchison MG. Earlier time to aerobic exercise is associated with faster recovery following acute sport concussion. Janigro D, ed. PLoS ONE. 2018;13(4):e0196062–12. doi:10.1371/journal.pone.0196062.	AMSSM	58.50%	71	71
Leddy JJ, Haider MN, Hinds AL, Darling S, Willer BS. A Preliminary Study of the Effect of Early Aerobic Exercise Treatment for Sport-Related Concussion in Males. Clin J Sport Med. 2019;29(5):353-360. doi:10.1097/JSM.0000000000000663.	AMSSM	100.00%	72	72
Leddy, J. J., Hinds, A. L., Miecznikowski, J., Darling, S., Matuszak, J., Baker, J. G., et al. (2018). Safety and Prognostic Utility of Provocative Exercise Testing in Acutely Concussed Adolescents: A Randomized Trial. Clinical Journal of Sport Medicine : Official Journal of the Canadian Academy of Sport Medicine, 28(1), 13–20. http://doi.org/10.1097/JSM.0000000000000431	AMSSM	68.52%	58	58
Lehman EJ, Hein MJ, Gersic CM. Suicide mortality among retired National Football League players who played 5 or more seasons. Am J Sports Med. 2016;44:2486–2491.	AMSSM	100.00%	103	103
Leong DF, Balcer LJ, Galetta SL, et al. The King-Devick test for sideline concussion screening in collegiate football. J Optom. 2015;8:131–139.	AMSSM	93.70%	28	28
Leong DF, Balcer LJ, Galetta SL, Liu Z, Master CL. The King-Devick test as a concussion screening tool administered by sports parents. J Sports Med Phys Fitness. 2014;54(1):70-77.	AMSSM	100.00%	123	123
Marinides, Z., Galetta, K. M., Andrews, C. N., Wilson, J. A., Herman, D. C., Robinson, C. D., et al. (2015). Vision testing is additive to the sideline assessment of sports-related concussion. Neurology. Clinical Practice, 5(1), 25–34. http://doi.org/10.1212/CPJ.0000000000000060	AMSSM	67.87%	20	20
Maugans, T. A., Farley, C., Altaye, M., Leach, J., & Cecil, K. M. (2012). Pediatric sports-related concussion produces cerebral blood flow alterations. Pediatrics, 129(1), 28–37. http://doi.org/10.1542/peds.2011-2083	AMSSM	75.00%	6	6
McCrea M, Guskiewicz K, Randolph C, et al. Incidence, clinical course, and predictors of prolonged recovery time following sport-related concussion in high school and college athletes. J Int Neuropsychol Soc. 2013;19:22–33.	AMSSM	88.95%	55	55
McCrea, M., Guskiewicz, K., Randolph, C., Barr, W. B., Hammeke, T. A., Marshall, S. W., & Kelly, J. P. (2009). Effects of a symptom-free waiting period on clinical outcome and risk of reinjury after sport-related concussion. Neurosurgery, 65(5), 876–82– discussion 882–3. http://doi.org/10.1227/01.NEU.0000350155.89800.00	AMSSM	88.50%	96	96
McCrea, M., Kelly, J. P., Randolph, C., Cisler, R., & Berger, L. (2002). Immediate neurocognitive effects of concussion. Neurosurgery, 50(5), 1032–40– discussion 1040–2. http://doi.org/10.1097/00006123-200205000-00017	AMSSM	100.00%	17	17

McKee AC, Stein TD, Nowinski CJ, et al. The spectrum of disease in chronic traumatic encephalopathy. Brain. 2013;136:43–64.	AMSSM	100.00%	106	106
Meier, T. B., Bellgowan, P. S. F., Singh, R., Kuplicki, R., Polanski, D. W., & Mayer, A. R. (2015). Recovery of cerebral blood flow following sports-related concussion. JAMA Neurology, 72(5), 530–538. http://doi.org/10.1001/jamaneurol.2014.4778	AMSSM	100.00%	7	7
Mucha, A., Collins, M. W., Elbin, R. J., Furman, J. M., Troutman-Enseki, C., DeWolf, R. M., et al. (2014). A Brief Vestibular/Ocular Motor Screening (VOMS) Assessment to Evaluate Concussions. The American Journal of Sports Medicine, 42(10), 2479–2486. http://doi.org/10.1177/0363546514543775	AMSSM	56.25%	46	46
Norheim, N., Kissinger-Knox, A., Cheatham, M., & Webbe, F. (2018). Performance of college athletes on the 10-item word list of SCAT5. BMJ Open Sport & Exercise Medicine, 4(1), e000412. http://doi.org/10.1136/bmjsem-2018-000412	AMSSM	64.01%	43	43
Oliver JM, Jones MT, Kirk KM, et al. Effect of docosahexaenoic acid on a biomarker of head trauma in American football. Med Sci Sports Exerc. 2016;48:974–982.	AMSSM	100.00%	76	76
Putukian, M., Echemendia, R., Dettwiler-Danspeckgruber, A., Duliba, T., Bruce, J., Furtado, J. L., & Murugavel, M. (2015). Prospective clinical assessment using Sideline Concussion Assessment Tool-2 testing in the evaluation of sport-related concussion in college athletes. Clinical Journal of Sport Medicine : Official Journal of the Canadian Academy of Sport Medicine, 25(1), 36–42. http://doi.org/10.1097/JSM.0000000000000102	AMSSM	66.92%	22	22
Resch JE, Brown CN, Schmidt J, et al. The sensitivity and specificity of clinical measures of sport concussion: three tests are better than one. BMJ Open Sport Exerc Med. 2016;2:e000012.	AMSSM	72.50%	120	120
Savica R, Parisi JE, Wold LE, et al. High school football and risk of neurodegeneration: a community-based study. Mayo Clin Proc. 2012; 87:335–340.	AMSSM	100.00%	108	108
Schneider KJ, Meeuwisse WH, Nettel-Aguirre A, et al. Cervicovestibular rehabilitation in sport-related concussion: a randomised controlled trial. Br J Sports Med 2014;48:1294–8.	AMSSM	58.06%	83	83
Seidman, D. H., Burlingame, J., Yousif, L. R., Donahue, X. P., Krier, J., Rayes, L. J., et al. (2015). Evaluation of the King-Devick test as a concussion screening tool in high school football players. Journal of the Neurological Sciences, 356(1-2), 97–101. http://doi.org/10.1016/j.jns.2015.06.021	AMSSM	100.00%	24	24
Stein TD, Alvarez VE, McKee AC. Chronic traumatic encephalopathy: a spectrum of neuropathological changes following repetitive brain trauma in athletes and military personnel. Alzheimers Res Ther. 2014;6(1):4-11. doi:10.1186/alzrt234.	AMSSM	100.00%	107	107
Thomas DG, Apps JN, Hoffmann RG, McCrea M, Hammeke T. Benefits of strict rest after acute concussion: a randomized controlled trial. Pediatrics. 2015;135(2):213-223. doi:10.1542/peds.2014-0966.	AMSSM	65.66%	65	65
Tsushima, W. T., Siu, A. M., Ahn, H. J., Chang, B. L., & Murata, N. M. (2019). Incidence and Risk of Concussions in Youth Athletes: Comparisons of Age, Sex, Concussion History, Sport, and Football Position. Archives of Clinical Neuropsychology : the Official Journal of the National Academy of Neuropsychologists, 34(1), 60–69. http://doi.org/10.1093/arclin/acy019	AMSSM	57.46%	13	13
Tucker, R., Raftery, M., Fuller, G. W., Hester, B., Kemp, S., & Cross, M. J. (2017). A video analysis of head injuries satisfying the criteria for a head injury assessment in professional Rugby Union: a prospective cohort study. British Journal of Sports Medicine, 51(15), 1147–1151. http://doi.org/10.1136/bjsports-2017-097883	AMSSM	100.00%	35	35

Zemek, R., Barrowman, N., Freedman, S. B., Gravel, J., Gagnon, I., McGahern, C., et al. (2016). Clinical Risk Score for Persistent Postconcussion Symptoms Among Children With Acute Concussion in the ED. JAMA: the Journal of the American Medical Association, 315(10), 1014–12. http://doi.org/10.1001/jama.2016.1203	AMSSM	60.99%	56	56
Bleiberg J, Cernich AN, Cameron K, et al. Duration of cognitive impairment after sports concussion. Neurosurgery 2004;54:1073–78–78–80.	ICCCS	100.00%	18	146
Collie A, Maruff P, McStephen M, et al. Psychometric issues associated with computerised neuropsychological assessment of concussed athletes. Br J Sports Med 2003;37:556–9.	ICCCS	100.00%	14	142
Collins MW, Grindel SH, Lovell MR, et al. Relationship between concussion and neuropsychological performance in college football players. Jama 1999;282:964–70	ICCCS	100.00%	15	143
Delaney J, Lacroix V, Leclerc S, et al. Canadian football league season.. Clin J Sport Med 1997;2000:9–14.	ICCCS	100.00%	28	156
Delaney JS, Lacroix VJ, Leclerc S, et al. Concussions among university football and soccer players. Clin J Sport Med 2002;12:331–8.	ICCCS	78.85%	29	157
Gioia G, Janusz J, Gilstein K, et al. Neuropsychological management of consussion in children and adolescents: effects of age and gender on ImPact. abstract). Br J Sp Med 2004;38:657.	ICCCS	71.02%	22	150
Guilmette TJ, Malia LA, McQuiggan MD. Concussion understanding and management among new England high school football coaches. Brain Inj 2007;21:1039–47.	ICCCS	100.00%	33	161
Johnston KM, Lassonde M, Ptito A. A contemporary neurosurgical approach to sport-related head injury: the McGill concussion protocol. J Am Coll Surg2001;192:515–24.	ICCCS	73.33%	27	155
Kashluba S, Paniak C, Blake T, et al. A longitudinal, controlled study of patient complaints following treated mild traumatic brain injury. Arch Clin Neuropsychol 2004;19:805–16.	ICCCS	43.64%	38	166
Kaut KP, DePompei R, Kerr J, et al. Reports of head injury and symptom knowledge among college athletes: implications for assessment and educational intervention. Clin J Sport Med 2003;13:213–21.	ICCCS	66.04%	40	168
Maddocks D, Dicker G. An objective measure of recovery from concussion in Australian rules footballers. Sport Health 1989;7:6–7.	ICCCS	100.00%	6	134
McCrea, M., Kelly, J. P., Kluge, J., Ackley, B., & Randolph, C. (1997). Standardized assessment of concussion in football players. Neurology, 48(3), 586-588.	ICCCS	100.00%	11	139
Barbic D, Pater J, Brison RJ. Comparison of mouth guard designs and concussion prevention in contact sports: a multicenter randomized controlled trial. Clin J Sport Med. 2005;15(5):294–298	NATA	80.96%	136	310
Bazarian JJ, Zhu T, Blyth B, Borrino A, Zhong J. Subject-specific changes in brain white matter on diffusion tensor imaging after sports-related concussion. Magn Reson Imaging. 2012;30(2):171–	NATA	100.00%	191	365
Breedlove EL, Robinson M, Talavage TM, et al. Biomechanical correlates of symptomatic and asymptomatic neurophysiological impairment in high school football. J Biomech. 2012;45(7):1265– 1272.	NATA	100.00%	189	363
Broglio SP, Eckner JT, Surma T, Kutcher JS. Post-concussion cognitive declines and symptomatology are not related to concussion biomechanics in high school football players. J Neurotrauma. 2011;28(10):2061–2068.	NATA	100.00%	128	302

Broglio SP, Ferrara MS, Piland SG, Anderson RB, Collie A. Concussion history is not a predictor of computerized neurocog-nitive performance. Br J Sports Med. 2006;40(9):802–805.	NATA	81.56%	184	358
Broglio SP, Ferrara MS, Sopiarz K, Kelly MS. Reliable change of the sensory organization test. Clin J Sport Med. 2008;18(2):148– 154.	NATA	68.99%	102	276
Broglio SP, Macciocchi SN, Ferrara MS. Neurocognitive performance of concussed athletes when symptom free. J Athl Train. 2007;42(4):504–508.	ICCCS/NATA	76.19%	20/118	292
Broglio SP, Macciocchi SN, Ferrara MS. Sensitivity of the concussion assessment battery. Neurosurgery. 2007;60(6):1050–7-8	ICCCS/NATA	82.67%	21/19	193
Broglio SP, Monk A, Sopiarz K, Cooper ER. The influence of ankle support on postural control. J Sci Med Sport. 2009;12(3):388–392.	NATA	36.84%	108	282
Broglio SP, Pontifex MB, O'Connor P, Hillman CH. The persistent effects of concussion on neuroelectic indices of attention. J Neurotrauma. 2009;26(9):1463–1470.	NATA	72.22%	192	366
Broglio SP, Schnebel B, Sosnoff JJ, et al. Biomechanical properties of concussions in high school football. Med Sci Sports Exerc. 2010;42(11):2064–2071.	NATA	100.00%	126	300
Broglio SP, Zhu W, Sopiarz K, Park Y. Generalizability theory analysis of balance error scoring system reliability in healthy young adults. J Athl Train. 2009;44(5):497–502.	NATA	52.08%	105	279
Catena RD, Van Donkelaar P, Chou LS. Cognitive task effects on gait stability following concussion. Exp Brain Res. 2007;176(1):23–31.	NATA	57.14%	96	270
Collie A, Maruff P, Makdissi M, McCrory P, McStephen M, Darby D. CogSport: reliability and correlation with conventional cognitive tests used in postconcussion medical evaluations. Clin J Sport Med. 2003;13(1):28–32	NATA	100.00%	84	258
Collie A, McCrory P, Makdissi M. Does history of concussion affect current cognitive status? Br J Sports Med. 2006;40(6):550–551.	NATA	100.00%	185	359
Covassin T, Elbin RJ, Harris W, Parker T, Kontos A. The role of age and sex in symptoms, neurocognitive performance, and postural stability in athletes after concussion. Am J Sports Med. 2012;40(6):1303–1312.	NATA	70.72%	132	306
Davidson JA. Epidemiology and outcome of bicycle injuries presenting to an emergency department in the United Kingdom.Eur J Emerg Med. 2005;12(1):24–29.	NATA	65.53%	35	209
De Beaumont L, Theoret H, Mongeon D, et al. Brain function decline in healthy retired athletes who sustained their last sports concussion in early adulthood. Brain. 2009;132(pt 3):695–708.	NATA	100.00%	187	361
De Monte VE, Geffen GM, May CR, McFarland K, Heath P, Neralic M. The acute effects of mild traumatic brain injury on finger tapping with and without word repetition. J Clin Exp Neuropsychol. 2005;27(2):224–239.	NATA	69.23%	101	275
Delaney JS, Al-Kashmiri A, Drummond R, Correa JA. The effect of protective headgear on head injuries and concussions in adolescent football (soccer) players. Br J Sports Med. 2008;42(2):110–115.	NATA	50.00%	149	323
Elbin RJ, Schatz P, Covassin T. One-year test-retest reliability of the online version of ImPACT in high school athletes. Am J Sports Med. 2011;39(11):2319–2324.	NATA	45.53%	83	257
Ellemberg D, Leclerc S, Couture S, Daigle C. Prolonged neuropsychological impairments following a first concussion in female university soccer athletes. Clin J Sport Med. 2007;17(5):369–374.	NATA	0.00%	188	362

Fazio VC, Lovell MR, Pardini JE, Collins MW. The relation between post concussion symptoms and neurocognitive perfor- mance in concussed athletes. NeuroRehabilitation. 2007;22(3):207–216.	NATA	68.75%	119	293
Field M, Collins MW, Lovell MR, Maroon J. Does age play a role in recovery from sports-related concussion? A comparison of high school and collegiate athletes. J Pediatr. 2003;142(5):546–553.	NATA	96.04%	36	210
Finch C, Braham R, McIntosh A, McCrory P, Wolfe R. Should football players wear custom fitted mouthguards? Results from a group randomised controlled trial. Inj Prev. 2005;11(4):242–246.	NATA	100.00%	137	311
Fox ZG, Mihalik JP, Blackburn JT, Battaglini CL, Guskiewicz KM. Return of postural control to baseline after anaerobic and aerobic exercise protocols. J Athl Train. 2008;43(5):456–463.	NATA	50.00%	107	281
Gaetz M, Goodman D, Weinberg H. Electrophysiological evidence for the cumulative effects of concussion. Brain Inj. 2000;14(12):1077–1088.	NATA	100.00%	194	368
Gessel LM, Fields SK, Collins CL, Dick RW, Comstock RD. Concussions among United States high school and collegiate athletes. J Athl Train. 2007;42(4):495–503.	NATA	72.44%	67	241
Greenwald RM, Gwin JT, Chu JJ, Crisco JJ. Head impact severity measures for evaluating mild traumatic brain injury risk exposure.Neurosurgery. 2008;62(4):789–798.	NATA	100.00%	125	299
Guskiewicz KM, Marshall SW, Bailes J, et al. Association between recurrent concussion and late-life cognitive impairment in retired professional football players. Neurosurgery. 2005;57(4):719–726.	NATA	100.00%	52	226
Guskiewicz KM, Marshall SW, Bailes J, et al. Recurrent concussion and risk of depression in retired professional football players. Med Sci Sports Exerc. 2007;39(6):9	AMSSM/NATA	100.00%	102/51	221
Guskiewicz KM, Ross SE, Marshall SW. Postural stability and neuropsychological deficits after concussion in collegiate athletes. J Athl Train. 2001;36(3):263–273	NATA	69.44%	100	274
Hagel BE, Pless IB, Goulet C, Platt RW, Robitaille Y. Effectiveness of helmets in skiers and snowboarders: case-control and case crossover study. BMJ. 2005;330(7486):281.	NATA	46.94%	30	204
Hinton-Bayre AD, Geffen G. Severity of sports-related concussion and neuropsychological test performance. Neurology. 2002;59(7):1068–1070.	NATA	100.00%	129	303
Hunt TN, Ferrara MS. Age-related differences in neuropsycho-logical testing among high school athletes. J Athl Train 2009;44(4):405–409.	NATA	100.00%	16	190
Iverson GL, Brooks BL, Ashton VL, Lange RT. Interview versus questionnaire symptom reporting in people with the postconcus- sion syndrome. J Head Trauma Rehabil. 2010;25(1):23–30.	NATA	57.38%	90	264
Iverson GL, Brooks BL, Lovell MR, Collins MW. No cumulative effects for one or two previous concussions. Br J Sports Med. 2006;40(1):72–75.	NATA	100.00%	186	360
Kahanov L, Dusa MJ, Wilkinson S, Roberts J. Self-reported headgear use and concussions among collegiate men's rugby union players. Res Sports Med. 2005;13(2):77–89.	NATA	100.00%	145	319
Kemp SP, Hudson Z, Brooks JH, Fuller CW. The epidemiology of head injuries in English professional rugby union. Clin J Sport Med. 2008;18(3):227–234.	NATA	100.00%	143	317
Labella CR, Smith BW, Sigurdsson A. Effect of mouthguards on dental injuries and concussions in college basketball. Med Sci Sports Exerc. 2002;34(1):41–44.	NATA	100.00%	141	315
Lovell MR, Collins MW, Iverson GL, Johnston KM, Bradley JP. Grade 1 or ''ding'' concussions in high school athletes. Am J Sports Med. 2004;32(1):47–54.	NATA	81.40%	18/9	183

Lovell MR, Iverson GL, Collins MW, et al. Measurement of symptoms following sports-related concussion: reliability and normative data for the post-concussion scale. Appl Neuropsychol. 2006;13(3):166–174.	NATA	79.67%	173	347
Maddocks DL, Dicker GD, Saling MM. The assessment of orientation following concussion in athletes. Clin J Sport Med. 1995;5(1):32–35.	ICCCS/NATA	100.00%	7/111	285
Majerske CW, Mihalik JP, Ren D, et al. Concussion in sports: postconcussive activity levels, symptoms, and neurocognitive performance. J Athl Train. 2008;43(3):265–274.	NATA	84.21%	130	304
Marshall SW, Loomis DP, Waller AE, et al. Evaluation of protective equipment for prevention of injuries in rugby union. Int J Epidemiol. 2005;34(1):113–118.	NATA	73.39%	139	313
Martini DN, Sabin MJ, DePesa SA, et al. The chronic effects of concussion on gait. Arch Phys Med Rehabil. 2011;92(4):585–589.	NATA	54.41%	197	371
McCrea M, Barr WB, Guskiewicz K, et al. Standard regression-based methods for measuring recovery after sport-related concussion. J Int Neuropsychol Soc. 2005;11(1):58–69.	AMSSM/NATA	100.00%	20/19	194
McCrea M, Guskiewicz KM, Marshall SW, et al. Acute effects and recovery time following concussion in collegiate football players: the NCAA concussion study. JAMA. 2003;290(19):2556– 2563.	NATA	100.00%	65	239
McCrea M, Hammeke T, Olsen G, Leo P, Guskiewicz K. Unreported concussion in high school football players: implica- tions for prevention. Clin J Sport Med. 2004;14(1):13–17.	NATA	100.00%	57	231
McCrea M. Standardized mental status testing on the sideline after sport-related concussion. J Athl Train. 2001;36(3):274–279.	AMSSM/NATA	100.00%	18/22	196
McGrath N, Dinn WM, Collins MW, Lovell MR, Elbin RJ, Kontos AP. Post-exertion neurocognitive test failure among student-athletes following concussion. Brain Inj. 2013;27(1):103–113.	NATA	79.63%	134	308
McIntosh AS, McCrory P. Effectiveness of headgear in a pilot study of under 15 rugby union football. Br J Sports Med. 2001;35(3):167–169.	NATA	100.00%	144	318
Mihalik JP, McCaffrey MA, Rivera EM, et al. Effectiveness of mouthguards in reducing neurocognitive deficits following sports- related cerebral concussion. Dent Traumatol. 2007;23(1):14–20.	NATA	84.44%	142	316
Moser, R. S., Schatz, P., Neidzwski, K., & Ott, S. D. (2011). Group versus individual administration affects baseline neurocognitive test performance. The American Journal of Sports Medicine, 39(11), 2325–2330. http://doi.org/10.1177/0363546511417114	NATA	65.56%	21	195
Mueller BA, Cummings P, Rivara FP, Brooks MA, Terasaki RD. Injuries of the head, face, and neck in relation to ski helmet use.Epidemiology. 2008;19(2):270–276.	NATA	59.38%	31	205
Mueller, B. A., Cummings, P., Rivara, F. P., Brooks, M. A., & Terasaki, R. D. (2008). Injuries of the head, face, and neck in relation to ski helmet use. Epidemiology (Cambridge, Mass.), 19(2), 270–276. http://doi.org/10.1097/EDE.0b013e318163567c	NATA	61.45%	32	206
O'Donoghue EM, Onate JA, Van Lunen B, Peterson CL. Assessment of high school coaches' knowledge of sport-related concussions. Athl Train Sports Health. 2009;1(3):120–132.	NATA	100.00%	66	240
Parker TM, Osternig LR, Van Donkelaar P, Chou LS. Gait stability following concussion. Med Sci Sports Exerc. 2006;38(6):1032–1040.	NATA	60.00%	97	271
Patel AV, Mihalik JP, Notebaert AJ, Guskiewicz KM, Prentice WE. Neuropsychological performance, postural stability, and symptoms after dehydration. J Athl Train. 2007;42(1):66–75.	NATA	100.00%	91	265

Peterson CL, Ferrara MS, Mrazik M, Piland S, Elliot R. Evaluation of neuropsychological domain scores and postural stability following cerebral concussion in sports. Clin J Sport Med. 2003;13(4):230–237.	NATA	69.23%	99	273
Piland SG, Motl RW, Ferrara MS, Peterson CL. Evidence for the factorial and construct validity of a self-report concussion symptoms scale. J Athl Train. 2003;38(2):104–112.	NATA	79.93%	94	268
Pontifex MB, O'Connor PM, Broglio SP, Hillman CH. The association between mild traumatic brain injury history and cognitive control. Neuropsychologia. 2009;47(14):3210–3216.	NATA	75.00%	193	367
Powell JW, Barber-Foss KD. Traumatic brain injury in high school athletes. JAMA. 1999;282(10):958–963.	NATA	87.06%	151	325
Randolph C, Millis S, Barr WB, et al. Concussion symptom inventory: an empirically derived scale for monitoring resolution of symptoms following sport-related concussion. Arch Clin Neuropsychol. 2009;24(3):219–229.	NATA	72.70%	95	269
Riemann BL, Guskiewicz KM, Shields EW. Relationship between clinical and forceplate measures of postural stability. J Sport Rehabil. 1999;8(2):71–82.	NATA	100.00%	104	278
Riemann BL, Guskiewicz KM. Effects of mild head injury on postural stability as measured through clinical balance testing. J Athl Train. 2000;35(1):19–25.	NATA	93.75%	103	277
Sabin MJ, Van Boxtel BA, Nohren MW, Broglio SP. Presence of headache does not influence sideline neurostatus or balance in high school football athletes. Clin J Sport Med. 2011;21(5):411–	NATA	100.00%	93	267
Saunders RL, Harbaugh RE. The second impact in catastrophic contact-sports head trauma. JAMA. 1984;252(4):538–539.	NATA	100.00%	48	222
Schatz P, Pardini JE, Lovell MR, Collins MW, Podell K. Sensitivity and specificity of the ImPACT test battery for concussion in athletes. Arch Clin Neuropsychol. 2006;21(1):91– 99.	NATA	62.32%	113	287
	NATA		87	261
Schmidt JD, Register-Mihalik JK, Mihalik JP, Kerr ZY, Guskiewicz KM. Identifying impairments after concussion: normative data versus individualized baselines. Med Sci Sports Exerc. 2012;44(9):1621–1628.	NATA	67.45%	13	187
Schulz MR, Marshall SW, Mueller FO, et al. Incidence and risk factors for concussion in high school athletes, North Carolina, 996–1999. Am J Epidemiol. 2004;160(10):937–944.	NATA	81.55%	182	356
Sim A, Terrberry-Spohr L, Wilson KR. Prolonged recovery of memory functioning after mild traumatic brain injury in adolescent athletes. J Neurosurg. 2008;108(3):511–516.	NATA	77.09%	164	338
Sosnoff JJ, Broglio SP, Shin S, Ferrara MS. Previous mild traumatic brain injury and postural control dynamics. J Athl Train. 2011;46(1):85–91.	NATA	67.86%	196	370
Sye G, Sullivan SJ, McCrory P. High school rugby players' understanding of concussion and return to play guidelines. Br J Sports Med. 2006;40(12):1003–1005.	NATA	100.00%	59	233
Talavage TM, Nauman E, Breedlove EL, et al. Functionally- detected cognitive impairment in high school football players without clinically-diagnosed concussion. J Neurotrauma. http://online.liebertpub.com/doi/full/10.1089/neu.2010.1512. Published online ahead of print April 11, 2013. Accessed August 30, 2013.	NATA	100.00%	190	364
Vagnozzi R, Signoretti S, Cristofori L, et al. Assessment of metabolic brain damage and recovery following mild traumatic brain injury: a multicentre, proton magnetic resonance spectro- scopic study in concussed patients. Brain. 2010;133(11):3232– 3242	NATA	77.14%	2	176

Vagnozzi R, Signoretti S, Tavazzi B, et al. Temporal window of metabolic brain vulnerability to concussion: a pilot 1H-magnetic resonance spectroscopy study in concussed athletes, part III. Neurosurgery. 2008;62(6):1286–1295.	AMSSM/NATA	64.29%	9/123	297
Valovich McLeod TC, Barr WB, McCrea M, Guskiewicz KM. Psychometric and measurement properties of concussion assess- ment tools in youth sports. J Athl Train. 2006;41(4):399–408.	NATA	48.00%	175	349
Valovich TC, Perrin DH, Gansneder BM. Repeat administration elicits a practice effect with the Balance Error Scoring System but not with the Standardized Assessment of Concussion in high school athletes. J Athl Train. 2003;38(1):51–56.	NATA	93.75%	106	280
Valovich-Mcleod TC, Bay RC, Lam KC, Chhabra A. Representative baseline values on the Sport Concussion Assessment Tool 2 (SCAT2) in adolescent athletes vary by gender, grade, and concussion history. Am J Sports Med. 2012;40(4):927–933.	NATA	76.90%	41	215
Van Kampen DA, Lovell MR, Pardini JE, Collins MW, Fu FH. The ‘‘value added’’ of neurocognitive testing after sports-related concussion. Am J Sports Med. 2006;34(10):1630–1635.	NATA	69.27%	115	289
Wilkins JC, Valovich McLeod TC, Perrin DH, Gansneder BM. Performance on the Balance Error Scoring System decreases after fatigue. J Athl Train. 2004;39(2):156–161.	NATA	100.00%	110	284
Williams SJ, Nukada H. Sport and exercise headache, part 2: diagnosis and classification. Br J Sports Med. 1994;28(2):96–100.	NATA	51.94%	92	266
Wisniewski JF, Guskiewicz KM, Trope M, Sigurdsson A. Incidence of cerebral concussions associated with type of mouthguard used in college football. Dent Traumatol. 2004;20(3):143–149.	NATA	100.00%	135	309
Wood RL, McCabe M, Dawkins J. The role of anxiety sensitivity in symptom perception after minor head injury: an exploratory study. Brain Inj. 2011;25(13–14):1296–1299.	NATA	49.21%	68	242
Yakovlev PI, Lecours AR. The myelogenetic cycles of regional maturation of the brain. In: Minkowski A, ed. Regional Development of the Brain in Early Life. Philadelphia, PA: FA Davis; 1967:3–70	NATA	50.56%	15	189
Yeates KO, Kaizer E, Rusin J, et al. Reliable change in postconcussive symptoms and its functional consequences among children with mild traumatic brain injury. Arch Pediatr Adolesc Med. 2012;166(7):615–622.	NATA	68.77%	40	214
Yeates KO, Luria J, Bartkowski H, Rusin J, Martin L, Bigler ED. Postconcussive symptoms in children with mild closed head injuries. J Head Trauma Rehabil. 1999;14(4):337–350.	NATA	64.36%	174	348
Total average		***80.09%***		