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## Recent Safety Research

Cannella, Samuel, Deborah L. King, and Betsy Keller. "Absorption of Impact Forces by Three Types of Equestrian Protective Vests." *International Journal of Exercise Science: Conference Proceedings*. Vol. 9. No. 3. 2015.

Coronado, Victor G., et al. "Trends in sports-and recreation-related traumatic brain injuries treated in US emergency departments: the National Electronic Injury Surveillance System-All Injury Program (NEISS-AIP) 2001-2012." *The Journal of head trauma rehabilitation* 30.3 (2015): 185-197. Data based on 500,000 annual visits 9from 2001-2012) with greatest injury during bicycling, playground activities and horseback riding for women. . SRRI -TBI Prevention should be targeted by sports, activity,age and sex.

Moll, A, and Thomas Keating -"Concussions Signs Symptoms and Therapeutic Options, [hraclinics.com](http://hraclinics.com) 25 days ago - ... Head traumas can occur in marital arts, soccer, **horseback riding**, swimming, diving, surfing, basketball, water ... large group of people suffering from the long-term effects of traumatic brain **injuries**. ..[Discussion of Alternative Therapies for TBI and PTSD] ...

Shirazi, M., et al. "Equestrian-related brain injuries presenting to emergency departments, Canada, 1990-2014." *Canadian Journal of Neurological Sciences/Journal Canadien des Sciences Neurologiques* 42.S1 (2015): S11-S12. Greater number per hour than motorcyclists and auto riacers.

Ten Kate, C. A., T. A. de Kooter, and W. L. Kramer. "[Prevention of injuries associated with horseback riding]." *Nederlands tijdschrift voor geneeskunde*159 (2014): A8624-A8624. . Of 9,9000 injuries for% were 10 -19 year old females..most common injury head, brain, neck and face, torso and extremeties Better helmets and testing. Most people caught in stirrups.

Zuckerman, Scott L., et al "Functional and structural traumatic brian injury in equestrian sports: a review of the literature." *World Neurosurgery*, 2014. Helmet use remains dismally low.... despite literature showing a 40 to 50 percent reduction in serious injury..."

For greater safety, education about safety and equipment options is important to the future of our sport and recreation because the overall cost of equestrian accidents is passed through to the consumer via health costs, access costs and limitations and litigation and insurance.