CONCUSSION/BRAIN INJURY ALERT & MONITORING FORM

TOP PORTION COMPLETED BY SCHOOL PROFESSIONALS (NURSE, COUNSELOR, ADMIN, etc.), CASE WORKERS AND CARE PROVIDERS

DIRECTIONS:

- 1. Review, sign and date below.
- 2. Keep a copy of this form in the student's academic and/or medical file.
- 3. Include form in the school-wide concussion management plan and discuss with team.
- 4. Bring the form/diagnosis to the attention of new teachers **each academic year** and new case workers. Use additional pages if needed.

STUDENT'S NAME:		DOB:	
AGE INJURY OCCURRED:	DATE OF INJURY:	HOW INJURY OCCURRED:	
	ES:		
TREATMENTS/SUPPORTS PROV	IDED (include both in school & ou	rtside):	
	all that apply): Physician	Parent School Personnel	
School Professional Name:			
Signature:		Date:	

WHY AND HOW TO MONITOR:

Summary of Outcomes Research: Children of all ages are likely to have their concussions undiagnosed and/or untreated. This is especially true for children aged 0-4 who cannot adequately describe symptoms. Children need monitoring for years following an injury. They are more likely to have learning disorders; ADD/ADHD; speech-language problems; developmental delay; anxiety; bone, muscle and joint problems; behavioral problems^{2,3}; cognitive changes⁴. The younger the age at time of injury and the greater the severity, the more likelihood there will be ongoing issues^{2,5}. Once a child has one injury, they are more likely to have subsequent injuries. Over time, they are more likely to be involved with the criminal justice system⁶⁻⁹, have psychiatric issues¹⁰⁻¹², have substance abuse issues¹³, be socially isolated¹⁴⁻¹⁵, and be involved in domestic violence¹⁶, so early and ongoing intervention is crucial.

What to Look for Over Time: ANY changes. Any difficulties. Problems may appear academic, behavioral, psychological, physical, speech and language or social. Any lag in academic performance. Look for mood swings, personality changes, complaints of not feeling like themselves, depression, anxiety, acting out.

Intervention: Intervene immediately. Do not allow an issue to continue for long without attempting intervention. Consider both in-school intervention and outside of school.

Outside of school: Help may come from the family doctor or a symptom-specific provider like a counselor, speech language pathologist, neurologist, physical therapist, chiropractor, neuro-ophthalmologist, concussion clinic, neuropsychologist, etc.

In School: Involve other school professionals and stay in contact with anyone working with the student outside of school. Consider informal accommodations based on symptoms. Also consider a referral for a 504 Plan or IEP. Or, if one is already in place, consider the need for revisions, reevaluations, and/or additional assessment to help determine need goals/accommodations.

- 1. Haarbauer-Krupa, J., Lundine, J. P., DePompei, R., & King, T. Z. (2018). Rehabilitation and school services following traumatic brain injury in young children. NeuroRehabilitation, 42(3), 259-267. doi:10.3233/nre-172410
- 2. Taylor, H.G., Orchinik, L.J., Minich, N., et al. (2015). Symptoms of Persistent Behavior Problems in Children with Mild Traumatic Brain Injury. J Head Trauma Rehabil. Sep-Oct;30(5):302-10. doi:10.1097/HTR.0000000000106
- 3. Schwartz, L. (2003). Long-Term Behavior Problems Following Pediatric Traumatic Brain Injury: Prevalence, Predictors, and Correlates. Journal of Pediatric Psychology, 28(4), 251-263. doi:10.1093/jpepsy/jsg013
- 4. Niedzwecki, C. M., Rogers, A. T., & Fallat, M. E. (2018). Using Rehabilitation along the Pediatric Trauma Continuum as a Strategy to Define Outcomes in Traumatic Brain Injury. Clinical Pediatric Emergency Medicine, 19(3), 260271. doi:10.1016/j.cpem.2018.08.005
- Anderson, V. A., Catroppa, C., Dudgeon, P., Morse, S. A., Haritou, F., & Rosenfeld, J. V. (2006). Understanding predictors of functional recovery and outcome 30 months following early childhood head injury. *Neuropsychology*, 20(1), 42-57. doi:10.1037/0894-4105.20.1.42
- Farrer, T. J., & Hedges, D. W. (2011). Prevalence of traumatic brain injury in incarcerated groups compared to the general population: A
 meta-analysis. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 35(2), 390-394. doi:10.1016/j.pnpbp.2011.01.007
- 7. Shiroma, E. J., Ferguson, P. L., & Pickelsimer, E. E. (2012). Prevalence of Traumatic Brain Injury in an Offender Population. Journal of Head Trauma Rehabilitation, 27(3). doi:10.1097/htr.0b013e3182571c14
- 8. Williams, W. H., Mewse, A. J., Tonks, J., Mills, S., Burgess, C. N., & Cordan, G. (2010). Traumatic brain injury in a prison population: Prevalence and risk for re-offending. Brain Injury, 24(10), 1184-1188. doi:10.3109/02699052.2010.495697
- Im, B., Hada, E., Smith, M., & Gertisch, H. (2014). The Relationship between TBI and incarceration rates. Spotlight on Disability Newsletter, Dec 2014 retrieved from https://www.apa.org/pi/disability/resources/publications/newsletter/2014/12/incarceration.
- 10. Mccarthy, M. L., Dikmen, S. S., Langlois, J. A., Selassie, A. W., Gu, J. K., & Horner, M. D. (2006). Self-Reported Psychosocial Health Among Adults With Traumatic Brain Injury. Archives of Physical Medicine and Rehabilitation,87(7), 953-961. doi:10.1016/j.apmr.2006.03.007
- 11. Kaponen, S., Taiminen, T., Portin, R., et al. (2002). Axis I and II psychiatric disorders after traumatic brain injury a 30 year follow-up study. Am J Psychiatry, Aug; 159(8): 1315-21.
- 12. Zgaljardic DJ, Seale GS, Schaefer LA, Temple RO, Foreman J, Elliott TR. Psychiatric disease and post-acute traumatic brain injury. J Neurotrauma. 2015;32:1911–25. doi: 10.1089/neu.2014.3569
- 13. Kreutzer, J. S., Witol, A. D., & Marwitz, J. H. (1996). Alcohol and Drug Use Among Young Persons with Traumatic Brain Injury. Journal of Learning Disabilities, 29(6), 643-651. doi:10.1177/002221949602900608
- 14. Morton, M. V., & Wehman, P. (1995). Psychosocial and emotional sequelae of individuals with traumatic brain injury: A literature review and recommendations. Brain Injury, 9(1), 81-92. doi:10.3109/02699059509004574
- 15. Hawthorne G, Gruen RL, Kaye AH. Traumatic brain injury and long-term quality of life: findings from an Australian study. J Neurotrauma. 2009;26:1623–33. doi: 10.1089/neu.2008.0735
- 16. Romero-Martinez, A., Moya-Albiol, L., Neuropsychology of perpetrators of domestic violence: the role of traumatic brain injury and alcohol abuse and/or dependence. (2013). Revista de Neurologica, Dec; 57(11): 515-522.









