

Resource Summary Report

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Federal Interagency Traumatic Brain Injury Research Informatics System

RRID:SCR_006856

Type: Tool

Proper Citation

Federal Interagency Traumatic Brain Injury Research Informatics System
(RRID:SCR_006856)

Resource Information

URL: <https://fitbir.nih.gov/>

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Description: Platform for Traumatic Brain Injury relevant data. System was developed to share data across entire TBI research field and to facilitate collaboration between laboratories and interconnectivity between informatics platforms. FITBIR implements interagency Common Data Elements for TBI research and provides tools and resources to extend data dictionary. Established submission strategy to ensure high quality and to provide maximum benefit to investigators. Qualified researchers can request access to data stored in FITBIR and/or data stored at federated repositories.

Abbreviations: FITBIR

Synonyms: Federal Interagency Traumatic Brain Injury Research (FITBIR) Informatics System, FITBIR Informatics System

Resource Type: narrative resource, service resource, database, standard specification, topical portal, storage service resource, data repository, portal, data or information resource

Keywords: Traumatic, brain, injury, platform, common, data, element, medical, imaging, clinical, assessment, environment, behavior, brain, magnetic, resonance

Related Condition: Traumatic Brain Injury

Funding: NINDS ;
U.S. Army Medical Research and Materiel Command ;
Center for Information Technology

Availability: Restricted

Resource Name: Federal Interagency Traumatic Brain Injury Research Informatics System

Resource ID: SCR_006856

Alternate IDs: nlx_151755, r3d100012837

Alternate URLs: <https://doi.org/10.17616/R31NJMED>

Record Creation Time: 20220129T080238+0000

Record Last Update: 20260728T043240+0000

Ratings and Alerts

No rating or validation information has been found for Federal Interagency Traumatic Brain Injury Research Informatics System.

No alerts have been found for Federal Interagency Traumatic Brain Injury Research Informatics System.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 57 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

McQuaid JR, et al. (2025) A one year longitudinal study of cortical myelination changes following pediatric mild traumatic brain injury. *NeuroImage. Clinical*, 48, 103837.

Nathaniel U, et al. (2025) Optimizing pediatric "Mild" traumatic brain injury assessments: A multi-domain random forest analysis of diagnosis and outcomes. *International journal of clinical and health psychology : IJCHP*, 25(3), 100600.

Smith CR, et al. (2025) Sex Differences in Head Acceleration Events in Law Enforcement Corrections Cadets. *Annals of biomedical engineering*, 53(9), 2251.

Szaflarski JP, et al. (2025) Neurobehavioral therapy in functional seizures: Investigation of mechanism of action with resting-state functional magnetic resonance imaging. *Epilepsia*, 66(8), 2881.

Han X, et al. (2025) A structural haplotype in the 17q21.31 MAPT region is associated with increased risk for chronic traumatic encephalopathy endophenotypes. *Cell reports. Medicine*, 6(5), 102084.

- Mayer AR, et al. (2025) Blood-based biomarkers suggest prolonged axonal Injury following pediatric mild traumatic brain injury. *Scientific reports*, 15(1), 4189.
- Hunzinger KJ, et al. (2025) Associations of Collegiate Football Career and Incident Concussion with Players' Health: A Longitudinal Study from the CARE Consortium. *Sports medicine (Auckland, N.Z.)*, 55(9), 2313.
- Claros CC, et al. (2025) A Machine Learning Model for Post-Concussion Musculoskeletal Injury Risk in Collegiate Athletes. *Sports medicine (Auckland, N.Z.)*, 55(8), 1971.
- Claros-Olivares CC, et al. (2025) A Machine Learning Model for Post-Concussion Musculoskeletal Injury Risk in Collegiate Athletes. *medRxiv : the preprint server for health sciences*.
- Nathaniel U, et al. (2025) Regional and Global Changes in Brain Structure 1-Year Post Pediatric "Mild" Traumatic Brain Injury. *Annals of neurology*, 98(2), 341.
- Greil ME, et al. (2025) Early Prognostication in Pediatric Severe Traumatic Brain Injury in South America: Development of a Local Pediatric-Specific Model and Validation of Established Models. *Neurotrauma reports*, 6(1), 171.
- Allendorfer JB, et al. (2024) Brain network entropy, depression, and quality of life in people with traumatic brain injury and seizure disorders. *Epilepsia open*, 9(3), 969.
- Symons GF, et al. (2024) Altered grey matter structural covariance in chronic moderate-severe traumatic brain injury. *Scientific reports*, 14(1), 1728.
- Lin CL, et al. (2024) Neck strength alone does not mitigate adverse associations of soccer heading with cognitive performance in adult amateur players. *PloS one*, 19(5), e0302463.
- Kelly LA, et al. (2024) Sex Differences Across Concussion Characteristics in US Service Academy Cadets: A CARE Consortium Study. *Sports medicine (Auckland, N.Z.)*, 54(11), 2955.
- Alvarez TL, et al. (2024) Effectiveness of treatment for concussion-related convergence insufficiency: The CONCUSS study protocol for a randomized clinical trial. *PloS one*, 19(11), e0314027.
- Gaudio HA, et al. (2024) A novel translational bioinformatics framework for facilitating multimodal data analyses in preclinical models of neurological injury. *Scientific reports*, 14(1), 30710.
- van der Horn HJ, et al. (2024) A cautionary tale on the effects of different covariance structures in linear mixed effects modeling of fMRI data. *Human brain mapping*, 45(7), e26699.
- van der Horn HJ, et al. (2024) Dynamic Functional Connectivity in Pediatric Mild Traumatic Brain Injury. *NeuroImage*, 285, 120470.
- Spitz G, et al. (2024) Plasma biomarkers in chronic single moderate-severe traumatic brain injury. *Brain : a journal of neurology*, 147(11), 3690.