

Resource Summary Report

Generated by SPARC SAWG on Sep 16, 2026

Open Data Commons for Traumatic Brain Injury

RRID:SCR_021736

Type: Tool

Proper Citation

Open Data Commons for Traumatic Brain Injury (RRID:SCR_021736)

Resource Information

URL: <https://odc-tbi.org>

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Description: Software as cloud based community driven repository to store, share, and publish traumatic brain injury research data. Aims to increase transparency with individual level data, enhance collaboration, facilitate advanced analytics, and conform to increasing mandates by funders and publishers to make data accessible. Members of ODC-TBI have access to private digital lab space managed by PI or multi-PIs for dataset storage and sharing. PIs can share their labs??? datasets with registered members of ODC-TBI community and make their datasets public and citable. ODC-TBI implements stewardship principles that scientific data be made FAIR (Findable, Accessible, Interoperable and Reusable).

Abbreviations: ODC-TBI

Resource Type: data or information resource, data repository, disease-related portal, portal, service resource, storage service resource, topical portal

Keywords: Data Commons, traumatic brain injury data, traumatic brain injury, brain injury data, FAIR

Availability: Restricted

Resource Name: Open Data Commons for Traumatic Brain Injury

Resource ID: SCR_021736

Alternate IDs: r3d100014124

Alternate URLs: <https://doi.org/10.34945/>, <https://dx.doi.org/10.34945/>, <https://doi.org/10.17616/R31NJNE4>

Record Creation Time: 20220129T080357+0000

Ratings and Alerts

No rating or validation information has been found for Open Data Commons for Traumatic Brain Injury.

No alerts have been found for Open Data Commons for Traumatic Brain Injury.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 38 mentions in open access literature.

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

Harper MM, et al. (2026) Repetitive hypoxic preconditioning protects retinal ganglion cells against damage caused by exposure to blast. PloS one, 21(6), e0349124.

Irvine KA, et al. (2026) The Impact of Sex on the Dysfunction of Endogenous Pain Control after Traumatic Brain Injury. Journal of neurotrauma, 43(13-14), 1158.

Irvine KA, et al. (2026) Aerobic exercise prevents the loss of endogenous pain modulation in male and female rats with traumatic brain injury. bioRxiv : the preprint server for biology.

Ayata C, et al. (2026) Preclinical Ischemic Stroke Multicenter Trials (PRISM) Collective Statement: Opportunities, Challenges, and Recommendations for a New Era. Stroke, 57(1), e12.

Talty CE, et al. (2026) Chronic dynamic behavioral changes and upregulation of glutamatergic signaling proteins following traumatic brain injury in females. Brain research, 1873, 150115.

Chapman DP, et al. (2026) High frequency head impact exposure changes hippocampal sharp-wave ripple architecture. PloS one, 21(1), e0336990.

Talty CE, et al. (2026) Evaluating Chronic Sex-Specific Changes in Glutamatergic Signaling Markers Following Traumatic Brain Injury. International journal of molecular sciences, 27(6).

Laye CJ, et al. (2026) Restoring mitochondrial health after blast-induced traumatic brain injury: modifiable factors and therapeutic opportunities. npj metabolic health and disease, 4(1).

Nelson LD, et al. (2025) Beyond mild, moderate, and severe traumatic brain injury: modelling severity from clinical, neuroimaging, and blood-based indicators. EBioMedicine, 121, 106001.

Jelescu IO, et al. (2025) Considerations and recommendations from the ISMRM diffusion study group for preclinical diffusion MRI: Part 1: In vivo small-animal imaging. *Magnetic resonance in medicine*, 93(6), 2507.

Moallem EZ, et al. (2025) Traumatic brain injury exacerbates mitochondrial dysfunction in APP/PS1 knock-in mice through time-dependent pathways. *Experimental neurology*, 398, 115629.

Kislik G, et al. (2025) Improved injury detection through harmonizing multi-site neuroimaging data after experimental TBI: a Translational Outcomes Project in Neurotrauma consortium study. *Frontiers in neurology*, 16, 1612598.

Huie JR, et al. (2025) An infrastructure for qualified data sharing and team science in late-stage translational spinal cord injury research. *Experimental neurology*, 383, 114995.

Moallem EZ, et al. (2025) Traumatic brain injury exacerbates mitochondrial dysfunction in APP/PS1 knock-in mice through time-dependent pathways. *bioRxiv : the preprint server for biology*.

Kislik G, et al. (2025) Multi-site, in vivo MRI dataset of brain diffusivity measures before and after harmonization, and atrophy measures following controlled cortical impact in male and female adult rats. *Frontiers in neurology*, 16, 1719618.

Noonan VK, et al. (2025) Enhancing data standards to advance translation in spinal cord injury. *Experimental neurology*, 384, 115048.

Russell AL, et al. (2025) Soluble Glycoprotein 130Fc Reduces Controlled Cortical Impact-Induced Cognitive Deficits in Rats. *Neurotrauma reports*, 6(1), 874.

Torres-Espin A, et al. (2024) Sexually dimorphic differences in angiogenesis markers are associated with brain aging trajectories in humans. *Science translational medicine*, 16(775), eadk3118.

Frankot MA, et al. (2024) Understanding Individual Subject Differences through Large Behavioral Datasets: Analytical and Statistical Considerations. *Perspectives on behavior science*, 47(1), 225.

Mueller PM, et al. (2024) Bayesian Methods: A Means of Improving Statistical Power in Preclinical Neurotrauma? *Neurotrauma reports*, 5(1), 699.