

Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 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: service resource, data repository, disease-related portal, portal, topical portal, data or information resource, storage service resource

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 30 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

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.

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.

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.

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.

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) 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.

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.

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

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.

Hinson HE, et al. (2024) Predicting Progression of Intracranial Hemorrhage in the Prehospital TXA for TBI Trial. *Journal of neurotrauma*, 41(19-20), 2349.

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

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

Kumar PA, et al. (2024) Chemogenetic Attenuation of Acute Nociceptive Signaling Enhances Functional Outcomes Following Spinal Cord Injury. *Journal of neurotrauma*, 41(9-10), 1060.

Fouad K, et al. (2024) A practical guide to data management and sharing for biomedical laboratory researchers. *Experimental neurology*, 378, 114815.

Iorio EG, et al. (2024) Effect-Size Discrepancies in Literature Versus Raw Datasets from Experimental Spinal Cord Injury Studies: A CLIMBER Meta-Analysis. *Neurotrauma reports*, 5(1), 686.

Panayi N, et al. (2024) Traumatic Brain Injury in Mice Generates Early-Stage Alzheimer's Disease Related Protein Pathology that Correlates with Neurobehavioral Deficits. *Molecular neurobiology*.

Tatara Y, et al. (2024) Mechanism of exacerbation of traumatic brain injury under warfarin anticoagulation in male mice. *PloS one*, 19(12), e0314765.

Irvine KA, et al. (2024) Designer Receptor Exclusively Activated by Designer Drug (DREADD)-Mediated Activation of the Periaqueductal Gray Restores Nociceptive Descending Inhibition After Traumatic Brain Injury in Rats. *Journal of neurotrauma*, 41(13-14), e1761.

Radabaugh HL, et al. (2023) Increasing Rigor of Preclinical Research to Maximize Opportunities for Translation. *Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics*, 20(6), 1433.