Resource Summary Report

Generated by <u>ASWG</u> on May 2, 2025

fMRIPrep

RRID:SCR_016216 Type: Tool

Proper Citation

fMRIPrep (RRID:SCR_016216)

Resource Information

URL: https://fmriprep.org

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Description: Software tool as robust preprocessing pipeline for functional MRI.Used for preprocessing of diverse fMRI data.

Synonyms: fMRIPrep, FMRI PREP

Resource Type: software application, software resource, image processing software, data processing software

Defining Citation: PMID:30532080, PMID:32514178

Keywords: Processing data, fmri, neuroimaging, coregistration, normalization, unwarping, noise, component, extraction, segmentation, skullstripping

Funding: Laura and John Arnold Fundation ; NIDCR UL1 DE019580; NIMH RL1 MH083268; NIMH RL1 MH083269; NIMH RL1 DA024853; NIMH RL1 MH083270; NIMH PL1 MH083271; NLM RL1 LM009833; NINDS PL1 NS062410

Availability: Free, Available for download, Freely available

Resource Name: fMRIPrep

Resource ID: SCR_016216

Alternate URLs: https://zenodo.org/record/1219187#.WuDIO4jwZPY

License: BSD 3 Clause

Record Creation Time: 20220129T080329+0000

Record Last Update: 20250502T060343+0000

Ratings and Alerts

No rating or validation information has been found for fMRIPrep.

No alerts have been found for fMRIPrep.

Data and Source Information

Source: <u>SciCrunch Registry</u>

Usage and Citation Metrics

We found 791 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>ASWG</u>.

Heukamp NJ, et al. (2025) Beyond the chronic pain stage: default mode network perturbation depends on years lived with back pain. Pain, 166(1), 160.

Chang K, et al. (2025) Improving the reliability and accuracy of population receptive field measures using a logarithmically warped stimulus. Journal of vision, 25(1), 5.

Yang YY, et al. (2025) The integration of self-efficacy and response-efficacy in decision making. Scientific reports, 15(1), 1789.

Prakash RS, et al. (2025) A whole-brain functional connectivity model of Alzheimer's disease pathology. Alzheimer's & dementia : the journal of the Alzheimer's Association, 21(1), e14349.

Zheng S, et al. (2025) Dysfunctional large-scale brain networks in drug-naïve depersonalization-derealization disorder patients. BMC psychiatry, 25(1), 59.

Fang Y, et al. (2025) Reward Decision Network Disconnection in Poststroke Apathy: A Prospective Multimodality Imaging Study. Human brain mapping, 46(2), e70139.

Wang C, et al. (2025) Brain surface area and function alterations are correlated with cognition in patients with end-stage renal disease. Quantitative imaging in medicine and surgery, 15(1), 217.

Theis N, et al. (2025) Energy of Functional Brain States Correlates With Cognition in Adolescent-Onset Schizophrenia and Healthy Persons. Human brain mapping, 46(1), e70129.

Liang Q, et al. (2025) Symptom-based depression subtypes: brain dynamic specificity and its association with gene expression profiles. Translational psychiatry, 15(1), 33.

Schmitz CN, et al. (2025) Functional resting state connectivity is differentially associated with IL-6 and TNF-? in depression and in healthy controls. Scientific reports, 15(1), 1769.

Mitchell JL, et al. (2025) Small or absent Visual Word Form Area is a trait of dyslexia. bioRxiv : the preprint server for biology.

Isherwood S, et al. (2025) Multi-study fMRI outlooks on subcortical BOLD responses in the stop-signal paradigm. eLife, 12.

Tashjian SM, et al. (2025) Subregions in the ventromedial prefrontal cortex integrate threat and protective information to meta-represent safety. PLoS biology, 23(1), e3002986.

Kwon D, et al. (2025) Coordinated representations for naturalistic memory encoding and retrieval in hippocampal neural subspaces. Nature communications, 16(1), 641.

Ge W, et al. (2025) Dissociable ventral and dorsal sensorimotor functional circuits linking the hypomanic personality traits to aggression via behavioral inhibition system. International journal of clinical and health psychology : IJCHP, 25(1), 100537.

Hu B, et al. (2025) Sequence of episodic memory-related behavioral and brain-imaging abnormalities in type 2 diabetes. Nutrition & diabetes, 15(1), 1.

Widegren E, et al. (2025) Fear extinction retention in children, adolescents, and adults. Developmental cognitive neuroscience, 71, 101509.

Linhardt D, et al. (2025) Biases in Volumetric Versus Surface Analyses in Population Receptive Field Mapping. Human brain mapping, 46(2), e70140.

Djimbouon F, et al. (2025) Shorter and inflexible intrinsic neural timescales of the self in schizophrenia. Journal of psychiatry & neuroscience : JPN, 50(1), E57.

Shevchenko V, et al. (2025) A comparative machine learning study of schizophrenia biomarkers derived from functional connectivity. Scientific reports, 15(1), 2849.