

Resource Summary Report

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ABIDE

RRID:SCR_003612

Type: Tool

Proper Citation

ABIDE (RRID:SCR_003612)

Resource Information

URL: http://fcon_1000.projects.nitrc.org/indi/abide/

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Description: Resting state functional magnetic resonance imaging (R-fMRI) datasets from 539 individuals with autism spectrum disorder (ASD) and 573 typical controls. This initiative involved 16 international sites, sharing 20 samples yielding 1112 datasets composed of both MRI data and an extensive array of phenotypic information common across nearly all sites. This effort is expected to facilitate discovery science and comparisons across samples. All datasets are anonymous, with no protected health information included.

Abbreviations: ABIDE

Synonyms: Autism Brain Imaging Data Exchange

Resource Type: data or information resource, data set

Keywords: phenotype, resting state functional magnetic resonance imaging, mri, image, fmri

Related Condition: Autism spectrum disorder, Normal

Funding: Leon Levy Foundation ;
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NIMH R03MH096321

Availability: Account required, Creative Commons Attribution-NonCommercial-ShareAlike License, v3

Resource Name: ABIDE

Resource ID: SCR_003612

Alternate IDs: nlx_157761

Record Creation Time: 20220129T080220+0000

Record Last Update: 20260728T043149+0000

Ratings and Alerts

No rating or validation information has been found for ABIDE.

No alerts have been found for ABIDE.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 212 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Chi IJ, et al. (2025) Identifying Distinct Developmental Patterns of Brain Complexity in Autism: A Cross-Sectional Cohort Analysis Using the Autism Brain Imaging Data Exchange. Psychiatry and clinical neurosciences, 79(3), 98.

Warren SL, et al. (2025) Towards Clinical Diagnoses: Classifying Alzheimer's Disease Using Single fMRI, Small Datasets, and Transfer Learning. Brain and behavior, 15(3), e70427.

Li W, et al. (2025) Disentangling the Switching Behavior in Functional Connectivity Dynamics in Autism Spectrum Disorder: Insights from Developmental Cohort Analysis and Molecular-Cellular Associations. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(20), e2403801.

Lanciano T, et al. (2025) Contrast subgraphs catch patterns of altered functional connectivity in autism spectrum disorder. Scientific reports, 15(1), 24265.

Bruno JL, et al. (2025) Transdiagnostic similarities and distinctions in brain networks associated with ASD symptoms: A prospective cohort study. medRxiv : the preprint server for health sciences.

Peiseniece E, et al. (2025) Amygdala Nuclei Atrophy in Cognitive Impairment and Dementia: Insights from High-Resolution Magnetic Resonance Imaging. Medicina (Kaunas, Lithuania), 61(1).

Horien C, et al. (2025) What is the best brain state to predict autistic traits? medRxiv : the preprint server for health sciences.

Hampson CL, et al. (2025) Habenula alterations in resting state functional connectivity among autistic individuals. *bioRxiv : the preprint server for biology*.

Jafrasteh B, et al. (2025) Statistical variability in comparing accuracy of neuroimaging based classification models via cross validation. *Scientific reports*, 15(1), 28745.

Dong Y, et al. (2025) A Framework for Comparison and Interpretation of Machine Learning Classifiers to Predict Autism on the ABIDE Dataset. *Human brain mapping*, 46(5), e70190.

Wu H, et al. (2025) Normalization and cross-entropy connectivity in brain disease classification. *iScience*, 28(4), 112226.

Shi D, et al. (2025) Mapping Resting-State Brain Functional Specialization to Neurotransmitter Profiles in Autism Spectrum Disorder. *CNS neuroscience & therapeutics*, 31(11), e70666.

Ma X, et al. (2025) Sex Similarities and Differences in Brain Dynamic Functional Connectivity Among Individuals With and Without Autism Spectrum Disorders. *Human brain mapping*, 46(17), e70423.

Dugr?? JR, et al. (2025) Investigating the impact of lumping heterogenous conduct problems: aggression and rule-breaking rely on distinct spontaneous brain activity. *European child & adolescent psychiatry*, 34(3), 1207.

Lyu Y, et al. (2025) Learning neuroimaging models from health system-scale data. *Research square*.

Li H, et al. (2025) Dynamic and static brain functional abnormalities in autism patients at different developmental stages. *Neuroreport*, 36(4), 202.

Demirbas S, et al. (2025) Segmentation with artificial intelligence and automated calculation of the corpus callosum index in multiple sclerosis. *Saudi medical journal*, 46(6), 638.

Lee JE, et al. (2025) Atypical maturation of the functional connectome hierarchy in autism. *Molecular autism*, 16(1), 21.

Pan N, et al. (2025) Mapping ADHD Heterogeneity and Biotypes through Topological Deviations in Morphometric Similarity Networks. *medRxiv : the preprint server for health sciences*.

Liu Y, et al. (2025) Modeling Temporal Dependencies in Brain Functional Connectivity to Identify Autism Spectrum Disorders Based on Heterogeneous rs-fMRI Data. *Experimental neurobiology*, 34(2), 77.