

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: 20260905T133324+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 227 mentions in open access literature.

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

Englert R, et al. (2026) Functional connectivity-based attractor dynamics of the human brain in rest, task, and disease. eLife, 13.

Bargagna F, et al. (2026) A probabilistic deep learning approach for choroid plexus segmentation in autism spectrum disorder. NPP - digital psychiatry and neuroscience, 4(1), 2.

Barranco J, et al. (2026) A-eye: Automated 3D MRI segmentation and morphometric feature extraction for eye and orbit atlas construction. PloS one, 21(7), e0352257.

Nago H, et al. (2026) Synergistic and redundant information dynamics exhibit dissociable alterations across schizophrenia and neurodevelopmental conditions. Brain informatics, 13(1).

Qiu X, et al. (2026) Developmental linearization of functional connectivity and its alteration in males with autism spectrum disorder. Developmental cognitive neuroscience, 80, 101764.

Tak D, et al. (2026) A generalizable foundation model for analysis of human brain MRI. Nature neuroscience, 29(4), 945.

Cui J, et al. (2026) Hierarchical sparse spatiotemporal graph neural network for brain graph classification. iScience, 29(6), 116173.

Aly M, et al. (2026) Metaheuristic hyperparameter optimization of deep neural networks for demographic-aware autism spectrum disorder classification. Scientific reports, 16(1).

- Tarchi L, et al. (2026) Autism and Cortical Thickness Deviation From Neurotypical Controls: Evidence for a Spatial Association With Serotonin Receptors. *Autism research : official journal of the International Society for Autism Research*, 19(6), e70243.
- Dibble A, et al. (2026) NeuroFM: Toward Precision Neuroimaging with Foundation Models for Individualized Brain Health Estimation. *medRxiv : the preprint server for health sciences*.
- Aguirre MC, et al. (2026) Improving Neuropathological Reconstruction Fidelity via AI Slice Imputation. *Research square*.
- Baig TI, et al. (2026) Multi-Site Classification of Autism Spectrum Disorder Using Spatially Constrained ICA on Resting-State fMRI Networks. *Brain sciences*, 16(2).
- Fales KR, et al. (2026) Replicability of Functional Brain Networks: A Study Through the Lens of Seven Resting-State Networks. *Human brain mapping*, 47(8), e70559.
- Ilioska I, et al. (2026) Multiscale heterogeneity of atypical functional connectivity in autism. *Nature. Mental health*, 4(6), 1010.
- Lanciano T, et al. (2025) Contrast subgraphs catch patterns of altered functional connectivity in autism spectrum disorder. *Scientific reports*, 15(1), 24265.
- 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.
- 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*.
- 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.
- 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.
- 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.