

Resource Summary Report

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IXI dataset

RRID:SCR_005839

Type: Tool

Proper Citation

IXI dataset (RRID:SCR_005839)

Resource Information

URL: <http://brain-development.org/ixi-dataset/>

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Description: Data set of nearly 600 MR images from normal, healthy subjects, along with demographic characteristics, collected as part of the Information eXtraction from Images (IXI) project available for download. Tar files containing T1, T2, PD, MRA and DTI (15 directions) scans from these subjects are available. The data has been collected at three different hospitals in London: * Hammersmith Hospital using a Philips 3T system * Guy's Hospital using a Philips 1.5T system * Institute of Psychiatry using a GE 1.5T system

Abbreviations: IXI dataset

Synonyms: Information eXtraction from Images dataset

Resource Type: data or information resource, data set, portal, project portal

Keywords: neuroimaging, structural mri assay, magnetic resonance angiography, nifti, t1, t2, pd, dti, demographic, normal, healthy, adult, mri, brain, image collection

Related Condition: Normal, Healthy

Funding: EPSRC GR/S21533/02

Availability: Acknowledgement requested

Resource Name: IXI dataset

Resource ID: SCR_005839

Alternate IDs: nlx_149360

Alternate URLs: <http://brain-development.org/>

Record Creation Time: 20220129T080232+0000

Record Last Update: 20260905T132542+0000

Ratings and Alerts

No rating or validation information has been found for IXI dataset.

No alerts have been found for IXI dataset.

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 [PRECISE-TBI](#) .

Krohn S, et al. (2026) Fractal analysis of brain shape formation predicts age and genetic similarity in human newborns. *Nature neuroscience*, 29(1), 171.

Mauri C, et al. (2026) VesSynth: Tubes Are All You Need for Robust Cross-Scale Cross-Modal 3D Vessel Segmentation. *bioRxiv : the preprint server for biology*.

Deng J, et al. (2026) An effective deep learning algorithm for medical image registration. *PLOS digital health*, 5(4), e0001339.

Tsurugizawa T, et al. (2025) A Cross-Species Brain Magnetic Resonance Imaging and Histology Database of Vertebrates. *Scientific data*, 12(1), 1206.

Liu Y, et al. (2025) Enhancing unsupervised learning in medical image registration through scale-aware context aggregation. *iScience*, 28(2), 111734.

Amano H, et al. (2025) Enlargement of the human prefrontal cortex and brain mentalizing network: anatomically homogenous cross-species brain transformation. *Brain structure & function*, 230(2), 34.

Kim H, et al. (2025) A novel deep learning-based brain age prediction framework for routine clinical MRI scans. *npj aging*, 11(1), 70.

Chen X, et al. (2025) Unraveling Microstructural and Macrostructural Brain Age Dynamics in Multiple Sclerosis. *Neurology(R) neuroimmunology & neuroinflammation*, 12(5), e200459.

Vieira S, et al. (2025) Neurofind: using deep learning to make individualised inferences in brain-based disorders. *Translational psychiatry*, 15(1), 69.

Jeon YJ, et al. (2024) Predicting Brain Age and Gender from Brain Volume Data Using Variational Quantum Circuits. *Brain sciences*, 14(4).

Beheshti I, et al. (2024) Differences in brain aging between sexes in Parkinson's disease. *NPJ Parkinson's disease*, 10(1), 35.

Beheshti I, et al. (2024) Neuroanatomical Signature of the Transition from Normal Cognition to MCI in Parkinson's Disease. *Aging and disease*, 16(1), 619.

Macarie AC, et al. (2024) Post-operative glioblastoma cancer cell distribution in the peritumoural oedema. *Frontiers in oncology*, 14, 1447010.

Guo B, et al. (2024) Self-supervised learning for accurately modelling hierarchical evolutionary patterns of cerebrovasculature. *Nature communications*, 15(1), 9235.

Li J, et al. (2024) Decoding MRI-informed brain age using mutual information. *Insights into imaging*, 15(1), 216.

Jafrasteh B, et al. (2024) Enhanced Spatial Fuzzy C-Means Algorithm for Brain Tissue Segmentation in T1 Images. *Neuroinformatics*, 22(4), 407.

Cortese R, et al. (2024) Regional hippocampal atrophy reflects memory impairment in patients with early relapsing remitting multiple sclerosis. *Journal of neurology*, 271(8), 4897.

Lamontagne-Caron R, et al. (2023) Predicting cognitive decline in a low-dimensional representation of brain morphology. *Scientific reports*, 13(1), 16793.

Bi W, et al. (2023) Linear fine-tuning: a linear transformation based transfer strategy for deep MRI reconstruction. *Frontiers in neuroscience*, 17, 1202143.

Yang Q, et al. (2023) Fine scale hippocampus morphology variation cross 552 healthy subjects from age 20 to 80. *Frontiers in neuroscience*, 17, 1162096.