

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, project portal, 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: 20250429T055017+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 24 mentions in open access literature.

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

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.

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

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.

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

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.

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.

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

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

Schinz D, et al. (2023) Indirect evidence for altered dopaminergic neurotransmission in very premature-born adults. *Human brain mapping*, 44(15), 5125.

Huang B, et al. (2023) Deep learning-based prediction of H3K27M alteration in diffuse midline gliomas based on whole-brain MRI. *Cancer medicine*, 12(16), 17139.

Chen E, et al. (2023) Multiple sclerosis clinical forms classification with graph convolutional networks based on brain morphological connectivity. *Frontiers in neuroscience*, 17, 1268860.

Ekström S, et al. (2021) Faster dense deformable image registration by utilizing both CPU and GPU. *Journal of medical imaging (Bellingham, Wash.)*, 8(1), 014002.

Gautherot M, et al. (2021) Longitudinal Analysis of Brain-Predicted Age in Amnesic and Non-amnesic Sporadic Early-Onset Alzheimer's Disease. *Frontiers in aging neuroscience*, 13, 729635.

Haynes L, et al. (2020) Grey and white matter volumes in early childhood: A comparison of voxel-based morphometry pipelines. *Developmental cognitive neuroscience*, 46, 100875.

Franke K, et al. (2019) Ten Years of BrainAGE as a Neuroimaging Biomarker of Brain Aging: What Insights Have We Gained? *Frontiers in neurology*, 10, 789.

Jiang H, et al. (2019) Predicting Brain Age of Healthy Adults Based on Structural MRI Parcellation Using Convolutional Neural Networks. *Frontiers in neurology*, 10, 1346.

Löwe LC, et al. (2016) The Effect of the APOE Genotype on Individual BrainAGE in Normal Aging, Mild Cognitive Impairment, and Alzheimer's Disease. *PloS one*, 11(7), e0157514.

Manjón JV, et al. (2016) volBrain: An Online MRI Brain Volumetry System. *Frontiers in neuroinformatics*, 10, 30.