# Resource Summary Report

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## brain-development.org

RRID:SCR_005838
Type: Tool

### Proper Citation

brain-development.org (RRID:SCR_005838)

### Resource Information

**URL:** http://brain-development.org/

**Proper Citation:** brain-development.org (RRID:SCR_005838)

**Description:** brain-development.org hosts data and resources used in computational analysis of brain development, including MRI data sets of developing human, software tools, atlases, protocols and software. Several different atlas datasets are available including: * Adult * Pediatric * Neonatal (T2 Templates, Probability Maps) * Neonatal (High-definition, T1 and T2 Templates, Probability Maps) * Fetal (High-definition, T2 Templates, Probability Maps) * Atlas software Anatomical segmentation protocols are available, as well as an Image Registration Toolkit.

**Abbreviations:** brain-development.org

**Synonyms:** brain-development.org at imperial college

**Resource Type:** portal, software application, software resource, image analysis software, data processing software, registration software, data set, atlas, data or information resource

**Keywords:** atlas, data set, software tool, computational analysis, brain development, mri, data set, developing human, protocol, atlas software, adult, pediatric, neonatal, fetal, t1, t2, probability map, brain, image

**Funding:**

**Resource Name:** brain-development.org

**Resource ID:** SCR_005838

**Alternate IDs:** nlx_149359

**Record Creation Time:** 20220129T080232+0000

**Record Last Update:** 20250420T014303+0000

## Ratings and Alerts

No rating or validation information has been found for brain-development.org.

No alerts have been found for brain-development.org.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 147 mentions in open access literature.

**Listed below are recent publications.** The full list is available at NIF.

Kouli A, et al. (2024) Neuroinflammation is linked to dementia risk in Parkinson's disease. Brain : a journal of neurology, 147(3), 923.

Haaf R, et al. (2024) Peripheral oxytocin levels are linked to hypothalamic gray matter volume in autistic adults: a cross-sectional secondary data analysis. Scientific reports, 14(1), 1380.

Finkelstein O, et al. (2024) Deep learning-based BMI inference from structural brain MRI reflects brain alterations following lifestyle intervention. Human brain mapping, 45(3), e26595.

Attyé A, et al. (2024) Data-driven normative values based on generative manifold learning for quantitative MRI. Scientific reports, 14(1), 7563.

de Nys CM, et al. (2024) Time-of-Flight MRA of Intracranial Aneurysms with Interval Surveillance, Clinical Segmentation and Annotations. Scientific data, 11(1), 555.

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.

Mekki L, et al. (2024) Deep learning segmentation of organs-at-risk with integration into clinical workflow for pediatric brain radiotherapy. Journal of applied clinical medical physics, 25(3), e14310.

Plini ER, et al. (2024) Meditation Experience is Associated with Increased Structural Integrity of the Pineal Gland and greater total Grey Matter maintenance. medRxiv : the preprint server for health sciences.

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

Jockwitz C, et al. (2024) Differential predictability of cognitive profiles from brain structure in older males and females. GeroScience, 46(2), 1713.

Planche V, et al. (2024) Staging of progressive supranuclear palsy-Richardson syndrome using MRI brain charts for the human lifespan. Brain communications, 6(2), fcae055.

Tose K, et al. (2024) Systematic reduction of gray matter volume in anorexia nervosa, but relative enlargement with clinical symptoms in the prefrontal and posterior insular cortices: a multicenter neuroimaging study. Molecular psychiatry, 29(4), 891.

Steinbart D, et al. (2023) Automatic and manual segmentation of the piriform cortex: Method development and validation in patients with temporal lobe epilepsy and Alzheimer's disease. Human brain mapping, 44(8), 3196.

Coupé P, et al. (2023) Lifespan Neurodegeneration Of The Human Brain In Multiple Sclerosis. bioRxiv : the preprint server for biology.

Jockwitz C, et al. (2023) Characterization of the angular gyrus in an older adult population: a multimodal multilevel approach. Brain structure & function, 228(1), 83.

Coupé P, et al. (2023) Lifespan neurodegeneration of the human brain in multiple sclerosis. Human brain mapping, 44(17), 5602.

Haruki Y, et al. (2023) Cardiac and Gastric Interoceptive Awareness Have Distinct Neural Substrates. eNeuro, 10(1).

Perszyk EE, et al. (2023) Odor imagery but not perception drives risk for food cue reactivity and increased adiposity. bioRxiv : the preprint server for biology.

Malpetti M, et al. (2023) Synaptic Loss in Frontotemporal Dementia Revealed by [11 C]UCB-J Positron Emission Tomography. Annals of neurology, 93(1), 142.

Holland N, et al. (2023) Longitudinal Synaptic Loss in Primary Tauopathies: An In Vivo [11 C]UCB-J Positron Emission Tomography Study. Movement disorders : official journal of the Movement Disorder Society, 38(7), 1316.