# **Resource Summary Report**

Generated by <u>dkNET</u> on May 19, 2025

# **Neuromorphometrics**

RRID:SCR\_005656 Type: Tool

#### **Proper Citation**

Neuromorphometrics (RRID:SCR\_005656)

#### **Resource Information**

URL: http://neuromorphometrics.com

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**Description:** Web tool for brain measurement services. Used for modeling living human brain and make quantitative measurements of volume, shape, and location of specific neuroanatomical structures using given MRI brain scans. Automated analyses are manually guided, inspected and certified by a neuroanatomical expert. Resource of neuroanatomically labeled MRI brain scans database. Resource for neuroanatomical localization and identification: NeuAtlas.

Abbreviations: Neuromorphometrics Inc.

**Synonyms:** MRI Brain Anatomy Labeling Services, Quantitative Measurements in MR Brain Images

**Resource Type:** service resource, production service resource, organization portal, data analysis service, database, analysis service resource, data or information resource, portal

**Keywords:** brain, human, modeling, measurement, quantitative, volume, shape, location, neuroanatomical, structure, MRI, scan, analysis, database, FASEB list

Funding: NIMH R43 MH084358

**Availability:** Free Demo available for download, Commercially available, Discount for academic use available

Resource Name: Neuromorphometrics

Resource ID: SCR\_005656

Alternate IDs: SCR\_014141, nlx\_149079

Alternate URLs: http://www.nitrc.org/projects/brain\_labeling

License: Different products and services use different licences

Record Creation Time: 20220129T080231+0000

Record Last Update: 20250517T055715+0000

### **Ratings and Alerts**

No rating or validation information has been found for Neuromorphometrics.

No alerts have been found for Neuromorphometrics.

## Data and Source Information

Source: <u>SciCrunch Registry</u>

#### **Usage and Citation Metrics**

We found 304 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>dkNET</u>.

Inui S, et al. (2025) Voxel-based Morphometry of Alzheimer's Disease Using a Localizer Image: A Comparative Study with Magnetization Prepared Rapid Acquisition with Gradient Echo. Magnetic resonance in medical sciences : MRMS : an official journal of Japan Society of Magnetic Resonance in Medicine, 24(1), 103.

Gaser C, et al. (2024) CAT: a computational anatomy toolbox for the analysis of structural MRI data. GigaScience, 13.

Nenadi? I, et al. (2024) Modelling the overlap and divergence of autistic and schizotypal traits on hippocampal subfield volumes and regional cerebral blood flow. Molecular psychiatry, 29(1), 74.

Kawabata K, et al. (2024) A Blinded Evaluation of Brain Morphometry for Differential Diagnosis of Atypical Parkinsonism. Movement disorders clinical practice, 11(4), 381.

Mellow ML, et al. (2024) Cross-sectional associations between 24-hour time-use composition, grey matter volume and cognitive function in healthy older adults. The international journal of behavioral nutrition and physical activity, 21(1), 11.

Hahn L, et al. (2024) Resting-state alterations in behavioral variant frontotemporal dementia are related to the distribution of monoamine and GABA neurotransmitter systems. eLife, 13.

Momota Y, et al. (2024) Amyloid-? prediction machine learning model using source-based morphometry across neurocognitive disorders. Scientific reports, 14(1), 7633.

Aamand R, et al. (2024) Cerebral microvascular changes in healthy carriers of the APOE-?4 Alzheimer's disease risk gene. PNAS nexus, 3(9), pgae369.

Li Y, et al. (2024) Temporopolar blurring signifies abnormalities of white matter in mesial temporal lobe epilepsy. Annals of clinical and translational neurology, 11(11), 2932.

Capelli S, et al. (2024) MRI evidence of gray matter loss in COVID-19 patients with cognitive and olfactory disorders. Annals of clinical and translational neurology, 11(9), 2457.

Krug A, et al. (2024) Factor analysis of lifetime psychopathology and its brain morphometric and genetic correlates in a transdiagnostic sample. Translational psychiatry, 14(1), 235.

Grauduszus Y, et al. (2024) New insights into the effects of type and timing of childhood maltreatment on brain morphometry. Scientific reports, 14(1), 11394.

Deantoni M, et al. (2024) Circadian rapid eye movement sleep expression is associated with brain microstructural integrity in older adults. Communications biology, 7(1), 758.

Bayoumi A, et al. (2024) Glymphatic dysfunction in multiple sclerosis and its association with disease pathology and disability. Multiple sclerosis (Houndmills, Basingstoke, England), 30(13), 1609.

Kujawa A, et al. (2024) Deep learning for automatic segmentation of vestibular schwannoma: a retrospective study from multi-center routine MRI. Frontiers in computational neuroscience, 18, 1365727.

Zsadanyi SE, et al. (2024) Associations of Microbleeds and Their Topography With Imaging and CSF Biomarkers of Alzheimer Pathology in Individuals With Down Syndrome. Neurology, 103(4), e209676.

Cowan RL, et al. (2024) More widespread and rigid neuronal representation of reward expectation underlies impulsive choices. bioRxiv : the preprint server for biology.

Vande Casteele T, et al. (2024) Preliminary evidence for preserved synaptic density in latelife depression. Translational psychiatry, 14(1), 145. Jansen M, et al. (2024) L-DOPA and oxytocin influence the neural correlates of performance monitoring for self and others. Psychopharmacology, 241(5), 1079.

Niu X, et al. (2024) Abnormal Granger causal connectivity based on altered gray matter volume and associated neurotransmitters of adolescents with internet gaming disorder revealed by a multimodal neuroimaging study. Developmental cognitive neuroscience, 70, 101472.