

Resource Summary Report

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AHEAD

RRID:SCR_008890

Type: Tool

Proper Citation

AHEAD (RRID:SCR_008890)

Resource Information

URL: <http://www.nitrc.org/projects/ahead/>

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Description: Open-source turnkey software for automatic hippocampus segmentation. Its primary use is for delineating hippocampus in T1-weighted MRI images. AHEAD is developed by Jung W. Suh, Hongzhi Wang, Sandhitsu Das, Brian Avants, Philip Cook, John Pluta and Paul Yushkevich, and colleagues at the Penn Image Computing and Science Laboratory (PICSL) at the University of Pennsylvania.

Abbreviations: AHEAD

Synonyms: Automatic Hippocampal Estimator using Atlas-based Delineation (AHEAD), Automatic Hippocampal Estimator using Atlas-based Delineation

Resource Type: segmentation software, image analysis software, software resource, software application, data processing software

Keywords: volume measurement, anatomic, hippocampus, t1-weighted mri, anatomic label, region of interest, label, mri

Availability: GNU General Public License, FSL License

Resource Name: AHEAD

Resource ID: SCR_008890

Alternate IDs: nlx_151363

Record Creation Time: 20220129T080249+0000

Record Last Update: 20260808T185909+0000

Ratings and Alerts

No rating or validation information has been found for AHEAD.

No alerts have been found for AHEAD.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 168 mentions in open access literature.

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

Dalby C, et al. (2026) Delineating In Vivo T1-Weighted Intensity Profiles Within the Human Insula Cortex Using 7-Tesla MRI. Human brain mapping, 47(4), e70486.

Tamaki S, et al. (2025) Usefulness of the AHEAD score for prediction of all-cause death in patients with acute and chronic coronary syndromes. International journal of cardiology. Cardiovascular risk and prevention, 26, 200457.

DeKraker J, et al. (2025) HippoMaps: multiscale cartography of human hippocampal organization. Nature methods, 22(10), 2211.

Hebert J, et al. (2025) More schooling is associated with lower Hemoglobin A1c at the high-risk tail of the distribution: An unconditional quantile regression analysis. Research square.

Zadro Y, et al. (2025) Risk of hospitalization with infection in adults with primary AIHA treated with rituximab: a French nationwide study. Blood advances, 9(1), 231.

Irvine AD, et al. (2025) Efficacy and Safety of Upadacitinib in Patients With Moderate-to-Severe Atopic Dermatitis: Phase 3 Randomized Clinical Trial Results Through 140 Weeks. American journal of clinical dermatology, 26(6), 1003.

Sato K, et al. (2025) Audio review as a measure of quality assurance and control of cognitive assessments in Alzheimer's disease studies: An experience from Japanese Trial-Ready Cohort Study. Journal of Alzheimer's disease reports, 9, 25424823251349188.

Rivier CA, et al. (2025) Bidirectional relationship between epigenetic age and stroke, dementia, and late-life depression. Nature communications, 16(1), 1261.

Katz IT, et al. (2025) Intersectional forces of urban inequality and the global HIV pandemic: a retrospective analysis. BMJ global health, 10(4).

Bazin PL, et al. (2025) Automated parcellation and atlasing of the human subcortex with ultra-high resolution quantitative MRI. Imaging neuroscience (Cambridge, Mass.), 3.

- Cui MM, et al. (2025) Higher than expected telemedicine use by racial and ethnic minority and cognitively impaired Medicare beneficiaries. *Health affairs scholar*, 3(1), qxae175.
- Barat A, et al. (2025) A deep learning framework for comprehensive segmentation of deep grey nuclei. *medRxiv : the preprint server for health sciences*.
- Lohn BM, et al. (2025) Comparison of the accuracy between guided and freehand placement of periorbital implants-a cadaveric split-face study. *Head & face medicine*, 21(1), 88.
- Nishio M, et al. (2025) Humans have a longer period of cortical maturation across depth and hierarchy than macaques. *PLoS biology*, 23(9), e3003378.
- Mielke MM, et al. (2025) Alzheimer Disease Blood Biomarkers and Cognition Among Individuals With Diabetes and Overweight or Obesity. *JAMA network open*, 8(2), e2458149.
- Sokunbi O, et al. (2025) Optimizing health through education: The Adaptive Health Education on Activity and Diet (AHEAD) program. *PM & R : the journal of injury, function, and rehabilitation*, 17(8), 896.
- de Oliveira APC, et al. (2024) Interventions to attract medical students to a career in primary health care services in the European Union and peripheral countries: a scoping review. *Human resources for health*, 22(1), 69.
- Sequeira D'mello B, et al. (2024) 'I am happy to be listened to': co-creation of a simple tool to measure women's experiences of respectful maternity care in urban Tanzania. *Global health action*, 17(1), 2403972.
- Janelidze S, et al. (2024) Plasma Phosphorylated Tau 217 and A β 42/40 to Predict Early Brain A β Accumulation in People Without Cognitive Impairment. *JAMA neurology*, 81(9), 947.
- Molina-Henry DP, et al. (2024) Racial and ethnic differences in plasma biomarker eligibility for a preclinical Alzheimer's disease trial. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 20(6), 3827.