Resource Summary Report

Generated by SPARC SAWG on Jul 28, 2026

AHEAD

RRID:SCR_008890
Type: Tool

Proper Citation

AHEAD (RRID:SCR_008890)

Resource Information

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

Proper Citation: AHEAD (RRID:SCR_008890)

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: image analysis software, software resource, software application, segmentation software, 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: 20260728T043311+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 165 mentions in open access literature.

Listed below are recent publications. The full list is available at SPARC SAWG .

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.

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.

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.

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.

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).

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.

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

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.

Nishio M, et al. (2025) Humans have a longer period of cortical maturation across depth and hierarchy than macaques. PLoS biology, 23(9), e3003378.

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.

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.

Oddie-Okeke CC, et al. (2024) Analyzing HIV Pre-exposure Prophylaxis and Viral Suppression Disparities: Insights From America's HIV Epidemic Analysis Dashboard (AHEAD) National Database. Cureus, 16(8), e67727.

Janelidze S, et al. (2024) Plasma Phosphorylated Tau 217 and A?42/40 to Predict Early Brain A? Accumulation in People Without Cognitive Impairment. JAMA neurology, 81(9), 947.

Warren RA, et al. (2024) Intensive lifestyle intervention in type 2 diabetes and risk of incident coronary artery disease for the common haptoglobin phenotypes: the Look AHEAD study. Cardiovascular diabetology, 23(1), 82.

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.

Zhu SJ, et al. (2024) Development of a 12-Week Unsupervised Online Tai Chi Program for People With Hip and Knee Osteoarthritis: Mixed Methods Study. JMIR aging, 7, e55322.