Resource Summary Report

Generated by RRID on Apr 11, 2025

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

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

Funding:

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: 20250411T055237+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 153 mentions in open access literature.

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

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

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.

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.

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.

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.

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.

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.

Chew R, et al. (2024) Evaluation of an electronic clinical decision support algorithm to improve primary care management of acute febrile illness in rural Cambodia: protocol for a cluster-randomised trial. BMJ open, 14(10), e089616.

Solomon PE, et al. (2024) Discovery of VH domains that allosterically inhibit ENPP1. Nature chemical biology, 20(1), 30.

Rissman RA, et al. (2024) Plasma A?42/A?40 and phospho-tau217 concentration ratios increase the accuracy of amyloid PET classification in preclinical Alzheimer's disease. Alzheimer's & dementia : the journal of the Alzheimer's Association, 20(2), 1214.

Kaneko T, et al. (2024) Prognostic impact of MitraScore in elderly Asian patients with heart failure: sub-analysis of FRAGILE-HF. ESC heart failure, 11(2), 1039.

Maquet J, et al. (2024) Drug-induced immune hemolytic anemia: detection of new signals and risk assessment in a nationwide cohort study. Blood advances, 8(3), 817.

Zimmer Z, et al. (2024) Are We Adding Pain-Free Years to Life? A Test of Compression Versus Expansion of Morbidity. The journals of gerontology. Series A, Biological sciences and medical sciences, 79(8).

Goldstein SP, et al. (2024) The Fully Understanding Eating and Lifestyle Behaviors (FUEL) trial: Protocol for a cohort study harnessing digital health tools to phenotype dietary non-adherence behaviors during lifestyle intervention. Digital health, 10, 20552076241271783.

Ayo-Farai O, et al. (2024) Analyzing Knowledge Status and HIV Linkage to Care: Insights From America's HIV Epidemic Analysis Dashboard (AHEAD) National Database. Cureus, 16(10), e72034.

Sonnega A, et al. (2024) Can Retrospective Reports Provide Accurate Job History Information? A Comparison With Concurrent Reports in a National Prospective Study of Older Adults. Innovation in aging, 8(3), igae021.

Olshvang D, et al. (2024) Predictive modeling of lean body mass, appendicular lean mass, and appendicular skeletal muscle mass using machine learning techniques: A comprehensive analysis utilizing NHANES data and the Look AHEAD study. PloS one, 19(9), e0309830.

Carew AS, et al. (2024) The relationship between repeated measurements of HbA1c and risk of coronary events among the common haptoglobin phenotype groups: the Action for Health in Diabetes (Look AHEAD) study. Cardiovascular diabetology, 23(1), 356.

Salazar CR, et al. (2024) Community recruitment of underrepresented populations to the AHEAD 3-45 preclinical AD trial using novel partnerships with nursing and community-based organizations: Lessons and outcomes. Alzheimer's & dementia : the journal of the Alzheimer's Association, 20(10), 7160.