

Resource Summary Report

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National Institutes of Health Stroke Scale

RRID:SCR_001804

Type: Tool

Proper Citation

National Institutes of Health Stroke Scale (RRID:SCR_001804)

Resource Information

URL: <https://www.mdcalc.com/calc/715/nih-stroke-scale-score-nihss>

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Description: The National Institutes of Health Stroke Scale (NIHSS) is a systematic assessment tool that provides a quantitative measure of stroke-related neurological deficit. The NIHSS was originally designed as a research tool to measure baseline data on patients in acute stroke clinical trials. Now, the scale is also widely used as a clinical assessment tool to evaluate acuity of stroke patients, determine appropriate treatment, and predict patient outcome. The NIHSS can be used as a clinical stroke assessment tool to evaluate and document neurological status in acute stroke patients. The stroke scale is valid for predicting lesion size and can serve as a measure of stroke severity. The NIHSS has been shown to be a predictor of both short and long term outcome of stroke patients. Additionally, the stroke scale serves as a data collection tool for planning patient care and provides a common language for information exchanges among healthcare providers. Performing the scale takes between 5-8 minutes. Emergency physicians and nurses, neurologists, neuroscience nurses and other stroke team members are typical examples of who should be certified to perform the NIHSS. The NINDS/NIH training and testing DVD can be obtained from the National Institute of Neurological Disorders and Stroke. Sponsors: NIHSS is supported by the National Institute of Neurological Disorders and Stroke (NINDS).

Synonyms: NIHSS

Resource Type: data or information resource, portal, topical portal

Keywords: acute, care, clinical, deficit, healthcare, lesion, neurological, neurologist, neuroscience, nurse, patient, physician, stroke, treatment, language

Availability: Free, Freely available

Resource Name: National Institutes of Health Stroke Scale

Resource ID: SCR_001804

Alternate IDs: nif-0000-10368

Old URLs: <http://www.stroke.org/site/PageNavigator/NIHSS>

Record Creation Time: 20220129T080209+0000

Record Last Update: 20260821T193634+0000

Ratings and Alerts

No rating or validation information has been found for National Institutes of Health Stroke Scale.

No alerts have been found for National Institutes of Health Stroke Scale.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 356 mentions in open access literature.

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

Kl??ner C, et al. (2026) Safety, Technical and Clinical Success of the Aperio Hybrid Thrombectomy Device in Acute Ischemic Stroke, a??Prospective Post-market Clinical Follow-up Study (HYBRID). Clinical neuroradiology, 36(1), 203.

Yuan Y, et al. (2026) Clinical prediction model of invalid recanalization after complete reperfusion after thrombectomy in acute ischemic stroke patients: a large retrospective study. Journal of neurointerventional surgery, 18(2), 348.

Ko T, et al. (2026) Machine learning for predicting functional outcomes in acute ischemic stroke: insights from a nationwide stroke registry. Scientific reports, 16(1), 5986.

Wu K, et al. (2026) Cortical functional hierarchy disruption following subcortical stroke. BMC medicine, 24(1).

Koton S, et al. (2026) Ischemic Stroke Incidence and Severity and Poststroke Cognitive Decline and Incident Dementia. JAMA network open, 9(4), e268900.

Xing BF, et al. (2026) Electroacupuncture-Induced Phrenic Nerve Stimulation for Poststroke Pneumonia: A Propensity Score Matching Analysis. BioMed research international, 2026(1), e6411927.

Wang F, et al. (2026) Blood-Brain Barrier Permeability Dynamics and Mediation of Triglyceride-Glucose Index on Acute Ischemic Stroke Outcomes. Journal of the American

Heart Association, 15(1), e041620.

Verma R, et al. (2026) Blood RNA Signatures Enable Accurate Discrimination of Stroke Subtype and Onset Time at Hospital Admission. Research square.

Shoamanesh A, et al. (2026) Predictors of Hematoma Expansion and Response to Andexanet in Patients With Intracerebral Hemorrhage: Secondary Analyses of the ANNEXA-I Randomized Clinical Trial. Stroke, 57(7), 1920.

Jahr SH, et al. (2026) Diagnostic performance of prehospital large-vessel occlusion detection scales in patients with suspected acute stroke: a retrospective validation study. The Akershus Study of Ischemic Stroke and Thrombolysis. European stroke journal, 11(6).

Marko M, et al. (2026) Predicting outcome in acute stroke with large vessel occlusion-application and validation of MR PREDICTS in the ESCAPE-NA1 population. Interventional neuroradiology : journal of peritherapeutic neuroradiology, surgical procedures and related neurosciences, 32(3), 535.

Lu Z, et al. (2026) Post-stroke facial palsy: Prevalence, recovery patterns within the first 7 days, risk factors, and effect of hyperacute treatments. Clinical rehabilitation, 40(3), 397.

Bustami M, et al. (2026) High on-clopidogrel platelet reactivity among diabetic female patients with acute ischaemic stroke. Scientific reports, 16(1), 6709.

Nguyen LT, et al. (2026) Safety and efficacy of allogeneic umbilical cord-derived mesenchymal stem cell infusion for frailty: a phase 2, single-centre, randomised, open-label controlled trial. EBioMedicine, 127, 106268.

Guillen-Sola A, et al. (2026) Prospective evaluation of atrial fibrillation-related stroke patients in rehabilitation programme (PEARL), clinical study for the 'Health virtual twins for the personalised management of stroke related to atrial fibrillation (TARGET)' project: a protocol for a prospective cohort analysis. BMJ open, 16(6), e118823.

Chen E, et al. (2026) Brain cell-released Cyclophilin A induces neuroinflammation and exacerbates blood-brain barrier injury in acute ischemic stroke. Frontiers in neurology, 17, 1791750.

Fagerheim Bugge H, et al. (2026) Presenting symptoms and diagnostic accuracy of prehospital stroke scales for patients with suspected mild minor stroke. European stroke journal, 11(1).

Calandrelli R, et al. (2026) Clinical and Neuroimaging Predictors of Posterior Circulation Stroke: A Retrospective Analysis of In-Hospital Features. Brain sciences, 16(4).

Yan L, et al. (2026) Two different distal protections on cerebral microembolization of vulnerable plaque during carotid artery stenting (CASH-ES): study protocol for a randomized controlled trial. Trials, 27(1).

Fei ZX, et al. (2026) Head Down Position Before Endovascular Treatment for Large Vessel Occlusion: Clinical Trial Design. Journal of the American Heart Association, 15(6), e046853.