

Resource Summary Report

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SHHS

RRID:SCR_010651

Type: Tool

Proper Citation

SHHS (RRID:SCR_010651)

Resource Information

URL: <http://www.physionet.org/pn3/shhpsgdb/>

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Description: It is a prospective cohort study designed to investigate the relationship between sleep disordered breathing and cardiovascular disease. Participants were recruited from nine existing epidemiological studies in which data on cardiovascular risk factors had been collected previously.

Abbreviations: SHHS

Synonyms: The Sleep Heart Health Study (SHHS), Sleep Heart Health Study

Resource Type: data or information resource, database

Resource Name: SHHS

Resource ID: SCR_010651

Alternate IDs: nlx_74232

Record Creation Time: 20220129T080259+0000

Record Last Update: 20260821T193925+0000

Ratings and Alerts

No rating or validation information has been found for SHHS.

No alerts have been found for SHHS.

Data and Source Information

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Alarcón ÁS, et al. (2026) Optimising Sleep Stage Detection Using a Minimal Non-EEG Physiological Signal Set and Deep Learning. *Journal of sleep research*, 35(3), e70266.

Huang W, et al. (2026) A unified time-frequency foundation model for sleep decoding. *Nature communications*, 17(1), 1198.

Gagliardi G, et al. (2026) Prototype-based sleep micro-structure learning for explainable and robust multimodal recognition of sleep-related conditions. *Research square*.

Agrawal R, et al. (2026) Interpretable Framework for Sleep Monitoring: Applying Statistical Control Charts to Physiological Data Streams. *Sensors (Basel, Switzerland)*, 26(12).

Thapa R, et al. (2026) A multimodal sleep foundation model for disease prediction. *Nature medicine*, 32(2), 752.

Bechny M, et al. (2025) Novel digital markers of sleep dynamics: causal inference approach revealing age and gender phenotypes in obstructive sleep apnea. *Scientific reports*, 15(1), 12016.

Vaquerizo-Villar F, et al. (2025) An explainable deep learning approach for sleep staging in sleep apnea patients across all age subgroups from pulse oximetry signals. *Engineering applications of artificial intelligence*, 162(Pt C).

Cho G, et al. (2025) APOE4 homozygotes have less sleep fragmentation in late adulthood. *bioRxiv : the preprint server for biology*.

Esmaili N, et al. (2025) The relationship between obesity and obstructive sleep apnea in four community-based cohorts: an individual participant data meta-analysis of 12,860 adults. *EClinicalMedicine*, 83, 103221.

Hu S, et al. (2025) Transparent artificial intelligence-enabled interpretable and interactive sleep apnea assessment across flexible monitoring scenarios. *Nature communications*, 16(1), 7548.

Zhou S, et al. (2025) Continuous sleep depth index annotation with deep learning yields novel digital biomarkers for sleep health. *NPJ digital medicine*, 8(1), 203.

Martín-Montero A, et al. (2025) Heart rate variability analysis in comorbid insomnia and sleep apnea (COMISA). *Scientific reports*, 15(1), 17574.

Logan JG, et al. (2025) Supine sleep position and angina frequency: an analysis from the sleep heart health study. *Sleep & breathing = Schlaf & Atmung*, 29(6), 326.

Kim Y, et al. (2025) Multimodal AI-approach for the automatic screening of cardiovascular diseases based on nocturnal physiological signals. NPJ cardiovascular health, 2(1).

Chen J, et al. (2025) Sleep Temporal Entropy as a Novel Digital Biomarker of Sleep Fragmentation for Cardiometabolic and Mortality Risk. medRxiv : the preprint server for health sciences.

Leng Y, et al. (2025) Sleep Temporal Entropy as a Novel Digital Biomarker of Sleep Fragmentation for Cardiometabolic and Mortality Risk. Research square.

Kovbasyuk Z, et al. (2024) Obstructive Sleep Apnea, Platelet Aggregation, and Cardiovascular Risk. Journal of the American Heart Association, 13(15), e034079.

Hanachi A, et al. (2022) Encapsulation of Salmon Peptides in Marine Liposomes: Physico-Chemical Properties, Antiradical Activities and Biocompatibility Assays. Marine drugs, 20(4).

Abdalla S, et al. (2020) Seeking care from a traditional healer after injury in Sudan: an exploratory cross-sectional analysis. International health, 12(3), 177.