

Resource Summary Report

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National Sleep Research Resource (NSRR)

RRID:SCR_016576

Type: Tool

Proper Citation

National Sleep Research Resource (NSRR) (RRID:SCR_016576)

Resource Information

URL: <https://sleepdata.org/>

Proper Citation: National Sleep Research Resource (NSRR) (RRID:SCR_016576)

Description: System for sharing sleep data. Organization portal that aggregates, harmonizes, and organizes sleep and clinical data from individuals studied as part of cohort studies or clinical trials and provides suite of tools to facilitate data exploration and data visualization. National Heart, Lung, and Blood Institute resource designed to provide big data resources to sleep research community.

Abbreviations: NSRR

Synonyms: National Sleep Research Resource

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

Defining Citation: [PMID:29860441](#)

Keywords: sleep, clinical, data, cohort, study, trial, dataset, visualization, exploration

Related Condition: sleep apnea

Funding: NHLBI

Availability: Free, Freely available, Registration required for membership

Resource Name: National Sleep Research Resource (NSRR)

Resource ID: SCR_016576

Alternate URLs: <https://sleepdata.org/share>, <https://sleepdata.org/datasets>

Record Creation Time: 20220129T080331+0000

Record Last Update: 20260805T044356+0000

Ratings and Alerts

No rating or validation information has been found for National Sleep Research Resource (NSRR) .

No alerts have been found for National Sleep Research Resource (NSRR) .

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 68 mentions in open access literature.

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

Cerina L, et al. (2025) Breathtaking dreams: reduced REM phenotype in REM-related sleep apnea. Sleep & breathing = Schlaf & Atmung, 29(1), 87.

Esmaeili 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.

Chen S, et al. (2025) Individualized temporal patterns drive human sleep spindle timing. Proceedings of the National Academy of Sciences of the United States of America, 122(2), e2405276121.

Davidson S, et al. (2025) Is it time to revisit the scoring of slow wave (N3) sleep? Sleep, 48(10).

Zhu X, et al. (2025) Accessible moderate-to-severe obstructive sleep apnea screening tool using multidimensional obesity indicators as compact representations. iScience, 28(2), 111841.

Zhang X, et al. (2025) The role of oxygen desaturation burden index in enhancing treatment strategies for childhood sleep apnoea. The European respiratory journal, 66(2).

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.

Wang Y, et al. (2025) Association between sleep duration and hypertension risk in patients with obstructive sleep apnea. NPJ primary care respiratory medicine, 35(1), 26.

Wallace DA, et al. (2025) Characteristics of objectively-measured naturalistic light exposure patterns in U.S. adults: A cross-sectional analysis of two cohorts. The Science of the total environment, 969, 178839.

Traunmüller C, et al. (2025) Exploring the relationship between health behavior and sleep quality: preliminary insights from ECG-derived sleep analysis. Journal of neural

transmission (Vienna, Austria : 1996), 132(9), 1431.

Redline S, et al. (2025) Nocturnal Oxygen Therapy for Central Sleep Apnea in Patients with Heart Failure: A Multisite, Double-Blind, Sham-controlled Randomized Clinical Trial (LOFT-HF). *Annals of the American Thoracic Society*, 22(12), 1951.

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

Araujo MLD, et al. (2025) Status and opportunities of machine learning applications in obstructive sleep apnea: A narrative review. *Computational and structural biotechnology journal*, 28, 167.

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*.

Yiallourou S, et al. (2025) Sleep architecture and dementia risk in adults: an analysis of 5 cohorts from the Sleep and Dementia Consortium. *Sleep*, 48(9).

de Menezes-Júnior LAA, et al. (2025) Psychometric properties of the two-item Pittsburgh Sleep Quality Index (PSQI-2) in a cohort of community-dwelling older men. *Research square*.

He H, et al. (2025) What radio waves tell us about sleep! *Sleep*, 48(1).

Shahrbabaki SS, et al. (2025) Characterisation of nocturnal arrhythmia avalanche dynamics: Insights from generalised linear model analysis. *Journal of sleep research*, 34(6), e14465.

Li J, et al. (2025) Falling asleep follows a predictable bifurcation dynamic. *Nature neuroscience*, 28(12), 2515.

Wallace ML, et al. (2025) An international multi-cohort investigation of self-reported sleep and future depressive symptoms in older adults. *Scientific reports*, 15(1), 23918.