

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/>

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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: data or information resource, organization portal, portal

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: 20260821T194107+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 88 mentions in open access literature.

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

Menezes-Júnior L, et al. (2026) Performance of a two-item sleep quality measure (PSQI-2): a comprehensive evaluation in a multiethnic cohort (MESA Study). Research square.

Wellman A, et al. (2026) Oxygen-based endotypes of Obstructive Sleep Apnea. medRxiv : the preprint server for health sciences.

Kjaer MR, et al. (2026) Expert-level probabilistic breathing event detector informs phenotyping of sleep apnea. Nature communications, 17(1).

Menezes-Júnior L, et al. (2026) Psychometric properties of the two-item Pittsburgh Sleep Quality Index (PSQI-2) in a cohort of community-dwelling older men: the MrOS sleep study. Npj biological timing and sleep, 3(1).

Ramírez-Contreras C, et al. (2026) Childhood OSAS and Obesity: Prospective Associations of Anthropometric Markers With Objective Sleep Outcomes in the CHAT Trial. Journal of sleep research, 35(2), e70156.

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.

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

Huang J, et al. (2025) Association of Novel Sleep EEG Biomarkers with All-Cause Mortality in a Large Community-Based Cohort. Nature and science of sleep, 17, 3015.

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.

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).

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

Tisdale RK, et al. (2025) Sleep-Wake Transitions Are Impaired in the App NL-G-F Mouse Model of Early Onset Alzheimer's Disease. *bioRxiv : the preprint server for biology*.

Shi Y, et al. (2025) Exploring the Arousal Intensity in Patients with Obstructive Sleep Apnea: Based on Odds Ratio Product. *Nature and science of sleep*, 17, 2065.

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.

Lim DC, et al. (2025) Weighted Hypoxemia Index: An adaptable method for quantifying hypoxemia severity. *PloS one*, 20(7), e0328214.

Sun H, et al. (2025) Dementia Risk and Machine Learning-Derived Brain Age Index from Sleep Electroencephalography: A Pooled Cohort Analysis of Over 7,000 Individuals Across Five Community Cohorts. *medRxiv : the preprint server for health sciences*.

Lima Diniz Araujo M, et al. (2025) Status and Opportunities of Machine Learning Applications in Obstructive Sleep Apnea: A Narrative Review. *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).

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*.