Resource Summary Report

Generated by ASWG on Sep 18, 2026

NKI-RS Multiband Imaging Test-Retest Pilot Dataset

RRID:SCR_010460
Type: Tool

Proper Citation

NKI-RS Multiband Imaging Test-Retest Pilot Dataset (RRID:SCR_010460)

Resource Information

URL: http://fcon_1000.projects.nitrc.org/indi/pro/eNKI_RS_TRT/FrontPage.html

Proper Citation: NKI-RS Multiband Imaging Test-Retest Pilot Dataset (RRID:SCR_010460)

Description: A test-retest dataset to assess the reliability of multiband resting state fMRI (R-fMRI) and diffusion tensor imaging (DTI) scans prior to launch of the Enhanced Nathan Kline Institute - Rockland Sample (NKI-RS). The dataset is primarily composed of individuals from the initial NKI-RS - for these individuals psychiatric assessment information is available and included (participants were not excluded due to history of illness. In addition to R-fMRI and DTI, they included: 1) simple visual checkerboard stimulation fMRI scans to allow for assessment of traditional fMRI data quality metrics (e.g., contrast-to-noise ratio), 2) breath holding data to enable assessment of regional differences in vascular responsiveness, and 3) eye movement calibration scans to enable the assessment of eye-movement related artifacts which may be particularly troublesome for multiband sequences since several slices are acquired simultaneously.

Abbreviations: NKI-RS Multiband Test-Retest Pilot Dataset

Synonyms: Enhanced Nathan Kline Institute-Rockland Sample Multiband Imaging Test-Retest Pilot Dataset, Enhanced Nathan Kline Institute-Rockland Sample (NKI-RS) Multiband Imaging Test-Retest Pilot Dataset

Resource Type: data or information resource, data set

Keywords: demographic, multiband imaging, resting state fmri, diffusion tensor imaging, breath hold scan, eye movement calibration scan, visual stimulation scan, brain development, maturation, young human, late adult human, child, adolescent, adult human, image collection, pediatric, geriatric, behavior, cognitive, phentoyping, neuroimaging, dicom, nifti, multiband echo planar imaging, multiband resting state fmri, multiband diffusion tensor imaging, psychiatric assessment

Related Condition: Aging

Funding: New York State Office of Mental Health and Research Foundation for Mental Hygiene ;
Child Mind Institute 1FDN2012-1;
NIMH R01MH094639-01;
NIMH R01MH081218;
NIMH R01MH083246;
NIMH R21MH084126

Resource Name: NKI-RS Multiband Imaging Test-Retest Pilot Dataset

Resource ID: SCR_010460

Alternate IDs: nlx_157648

Record Creation Time: 20220129T080258+0000

Record Last Update: 20260912T200330+0000

Ratings and Alerts

No rating or validation information has been found for NKI-RS Multiband Imaging Test-Retest Pilot Dataset.

No alerts have been found for NKI-RS Multiband Imaging Test-Retest Pilot Dataset.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Dibble A, et al. (2026) NeuroFM: Toward Precision Neuroimaging with Foundation Models for Individualized Brain Health Estimation. medRxiv : the preprint server for health sciences.

Dorfschmidt L, et al. (2025) Charting structural brain asymmetry across the human lifespan. bioRxiv : the preprint server for biology.

Chen Q, et al. (2025) The Connectional Diaschisis and Normalization of Cortical Language Network Dynamics After Basal Ganglia and Thalamus Stroke. Neurobiology of language (Cambridge, Mass.), 6.

Khandan Khadem-Reza Z, et al. (2025) Automatic diagnosis of autism spectrum disorders in children through resting-state functional magnetic resonance imaging with machine

vision. Quantitative imaging in medicine and surgery, 15(6), 4935.

Tong X, et al. (2022) Transdiagnostic connectome signatures from resting-state fMRI predict individual-level intellectual capacity. Translational psychiatry, 12(1), 367.