

Resource Summary Report

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NIH Brain Development Cohorts (NBDC) Data Hub

RRID:SCR_027710

Type: Tool

Proper Citation

NIH Brain Development Cohorts (NBDC) Data Hub (RRID:SCR_027710)

Resource Information

URL: <https://www.nbdc-datahub.org>

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Description: Data platform providing centralized and secure access to rich, longitudinal brain, behavioral, and genomic data from both the Adolescent Brain Cognitive Development (ABCD) and the HEALthy Brain and Child Development (HBCD) Studies. By bringing together data from both studies, the NBDC Data Hub facilitates integrative research on early life and adolescent development, helping researchers explore developmental trajectories across the lifespan.

Resource Type: data or information resource, database

Keywords: longitudinal brain data, behavioral data, genomic data, Adolescent Brain Cognitive Development, HEALthy Brain and Child Development,

Availability: Restricted

Resource Name: NIH Brain Development Cohorts (NBDC) Data Hub

Resource ID: SCR_027710

Record Creation Time: 20251203T061602+0000

Record Last Update: 20260811T043828+0000

Ratings and Alerts

No rating or validation information has been found for NIH Brain Development Cohorts (NBDC) Data Hub.

No alerts have been found for NIH Brain Development Cohorts (NBDC) Data Hub.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Wanger TJ, et al. (2026) Dynamic Functional Connectivity, Major Depression, and Suicidal Ideation in Children. *Human brain mapping*, 47(3), e70482.

Thomson P, et al. (2026) Cognitive ability in childhood predicts adolescent structural and functional brain development: A longitudinal study. *Developmental cognitive neuroscience*, 80, 101768.

Luciana M, et al. (2026) The longitudinal structure of cognition in the ABCD study and associations with neural function and psychopathology: A Bayesian probabilistic principal components analysis. *Developmental cognitive neuroscience*, 80, 101744.

Ramduny J, et al. (2026) Distinct associations between multimodal brain measures and psychopathology domains predict adolescent functioning. *bioRxiv : the preprint server for biology*.

Hernandez LM, et al. (2026) A decade of discovery: Leveraging genomic data in the ABCD study to illuminate adolescent neurodevelopment. *Developmental cognitive neuroscience*, 79, 101723.

Shappell HM, et al. (2026) Dynamic Resting-State Network Markers of Disruptive Behavior Problems in Youth. *Biological psychiatry global open science*, 6(3), 100689.

Szpak V, et al. (2026) Self-reported impulsivity, task-based inhibitory control, and early sipping behaviors as longitudinal predictors of adolescent alcohol use and problems in the ABCD Study. *medRxiv : the preprint server for health sciences*.

Beck D, et al. (2026) Cardiometabolic Risk and Structural Brain Development in a Large Community-Based US Cohort. *Human brain mapping*, 47(8), e70575.

Liu Z, et al. (2026) Emotion Regulation Mediates the Link Between Exposure to Childhood Adversity and Transdiagnostic Symptom Domains in Youth. *JAACAP open*, 4(3), 530.

Paquola C, et al. (2026) Intracortical microstructure profiling: A cross-modal method for indexing cortical lamination. *Imaging neuroscience (Cambridge, Mass.)*, 4.

Ali SA, et al. (2026) Benchmarking functional brain network organization in childhood and its similarity to adults. *Frontiers in neuroimaging*, 5, 1818662.

Wiersch L, et al. (2026) Investigating the impact of stressful life events on neuroanatomy across adolescence. *bioRxiv : the preprint server for biology*.

Meng Y, et al. (2026) MRI-based dental maturity in newborns reflects prenatal exposures and predicts timing of primary tooth eruption. bioRxiv : the preprint server for biology.

Meisler SL, et al. (2026) Highly replicable multisite patterns of adolescent white matter maturation. bioRxiv : the preprint server for biology.

Thompson EL, et al. (2026) From school climate to brain development: What the ABCD study reveals about the educational context of adolescence. Developmental cognitive neuroscience, 80, 101746.

Fletcher M, et al. (2026) The impact of social determinants of health and trajectories of medication use on functional outcomes in children with ADHD: study protocol. BJPsych open, 12(2), e87.

de Lacy N, et al. (2025) Predicting the onset of internalizing disorders in early adolescence using deep learning optimized with AI. Frontiers in psychiatry, 16, 1487894.

Lichenstein SD, et al. (2025) Multivariate environmental exposures are reflected in whole-brain functional connectivity and cognition in youth. bioRxiv : the preprint server for biology.