

Resource Summary Report

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RDoC

RRID:SCR_002244

Type: Tool

Proper Citation

RDoC (RRID:SCR_002244)

Resource Information

URL: <http://www.nimh.nih.gov/research-priorities/rdoc/index.shtml>

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Description: NIMH Strategic Plan developing, for research purposes, new ways of classifying psychopathology based on dimensions of observable behavior and neurobiological measures. In brief, the effort is to define basic dimensions of functioning (such as fear circuitry or working memory) to be studied across multiple units of analysis, from genes to neural circuits to behaviors, cutting across disorders as traditionally defined. The intent is to translate rapid progress in basic neurobiological and behavioral research to an improved integrative understanding of psychopathology and the development of new and/or optimally matched treatments for mental disorders. The various domains of functioning, and their constituent elements, are being defined by an ongoing series of consensus workshops; input from the research community and other interested stakeholders is encouraged.

Abbreviations: RDoC

Synonyms: Research Domain Criteria

Resource Type: data or information resource, knowledge environment, narrative resource, standard specification

Defining Citation: [PMID:24016027](#), [PMID:23902986](#), [PMID:22577302](#), [PMID:21198381](#), [PMID:20939653](#), [PMID:20929969](#), [PMID:20595427](#)

Keywords: cognitive system, neural circuit, behavior, cognition, comorbidity, psychiatric diagnosis

Related Condition: Mental disease

Funding: NIMH

Availability: Free, Freely available

Resource Name: RDoC

Resource ID: SCR_002244

Alternate IDs: nlx_155557

Record Creation Time: 20220129T080212+0000

Record Last Update: 20260919T194955+0000

Ratings and Alerts

No rating or validation information has been found for RDoC.

No alerts have been found for RDoC.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 167 mentions in open access literature.

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

Toyama A, et al. (2026) Cognitive & Behavioral Assessment Toolbox (CBAT): An open-source platform supporting experiments in computational psychiatry. *Psychiatry and clinical neurosciences*, 80(6), 469.

Hakimi N, et al. (2026) Computational mechanisms of learning and forgetting differentiate affective and substance use disorders. *Molecular psychiatry*, 31(8), 4348.

Cochran SD, et al. (2026) Research Domain Criteria and Deaths by Suicide in the National Violent Death Reporting System. *JAMA network open*, 9(3), e264024.

Kéri S, et al. (2026) AI-derived research domain criteria scores from medical records predict brain inflammatory markers in psychotic disorders: A cross-sectional, real-world study. *Science progress*, 109(1), 368504261417875.

Wong E, et al. (2026) Neurofunctional Correlates of Emotional Dysregulation: Systematic Review and ALE Meta-Analysis. *Brain and behavior*, 16(4), e71376.

Basurte-Villamor I, et al. (2026) Building a Brief Multidomain Questionnaire for Gambling Dual Disorder: Psychometric Validation and RDoC-Based Dimensional Structure. *International journal of methods in psychiatric research*, 35(2), e70078.

Hwang G, et al. (2026) Emotion regulation in prolonged grief disorder in later life: Protocol and rationale for a longitudinal neuroimaging study. *Imaging neuroscience (Cambridge,*

Mass.), 4.

Sturm ET, et al. (2026) Measurement bias for age, sex, and years of education in selected RDoC tasks. *Journal of clinical and experimental neuropsychology*, 1.

Komóczy M, et al. (2026) Feeling Rested Improves Cognitive Performance Among University Students: Testing of a Novel Psychophysiological Measurement System. *Brain sciences*, 16(2).

Keel PK, et al. (2025) Test of a biobehavioral model linking weight suppression to binge-eating severity via leptin and glucagon-like peptide 1 in bulimia nervosa and related syndromes in women. *Psychological medicine*, 55, e177.

Micheel J, et al. (2025) Emotion regulation in autistic adolescents: a mixed methods systematic review. *Journal of neurodevelopmental disorders*, 18(1), 1.

Rohlfing N, et al. (2025) Psychotherapy Research Domain Criteria: functional mechanisms of treatment and a basic theory of the mind. *Frontiers in psychiatry*, 16, 1549976.

Denis D, et al. (2025) Slow oscillation-sleep spindle coupling is associated with fear extinction retention in trauma-exposed individuals. *bioRxiv : the preprint server for biology*.

Quah SKL, et al. (2025) A data-driven latent variable approach to validating the research domain criteria framework. *Nature communications*, 16(1), 830.

Pan N, et al. (2025) Overlapping and differential neuropharmacological mechanisms of stimulants and nonstimulants for attention-deficit/hyperactivity disorder: a comparative neuroimaging analysis. *Psychological medicine*, 54(16), 1.

Meringolo M, et al. (2025) Impairment of Group I Metabotropic Glutamate Receptors in the Dorsal Striatum of the R451C-Neurexins 3 Mouse Model of Autism Spectrum Disorder. *Journal of neurochemistry*, 169(10), e70253.

Conrad CD, et al. (2025) Chronic 17 β -estradiol treatment improves negative valence, anhedonic profile, and social interactions in ovariectomized, middle-aged female rats. *Frontiers in behavioral neuroscience*, 19, 1553501.

Koller-Schlaud K, et al. (2025) Protocol for a prospective observational study linking research domain criteria-based phenotypes with clinical and care-related outcomes in psychiatric patients and healthy controls: the VeRDoC study. *BMJ open*, 15(12), e106149.

McGorry PD, et al. (2025) New diagnosis in psychiatry: beyond heuristics. *Psychological medicine*, 55, e26.

Schuman I, et al. (2025) Willing to wait: Anorexia nervosa symptomatology is associated with higher future orientation and reduced intertemporal discounting. *Scientific reports*, 15(1), 4508.