Resource Summary Report

Generated by kravitz2 on Sep 4, 2026

PRSice

RRID:SCR_017057
Type: Tool

Proper Citation

PRSice (RRID:SCR_017057)

Resource Information

URL: http://prsice.info/

Proper Citation: PRSice (RRID:SCR_017057)

Description: Software R package for calculating, applying, evaluating and plotting results of polygenic risk scores analysis. Performs simulation study to estimate P value significance threshold for high resolution PRS studies and produces plots for inspection of results. Operating Unix/Linux.

Synonyms: prsice, PRSice-2, Polygenic Risk Score software, PRSice1, PRSice2

Resource Type: data analysis software, data processing software, software application, software resource

Defining Citation: PMID:25550326

Keywords: polygenic, risk, score, calculating, applying, plotting, result, bio.tools

Funding: EU ;
NIHR Biomedical Research Centre

Availability: Free, Available for download, Freely available

Resource Name: PRSice

Resource ID: SCR_017057

Alternate IDs: OMICS_23656, biotools:prsice

Alternate URLs: https://choishingwan.github.io/PRSice/, https://bio.tools/prsice

Record Creation Time: 20220129T080333+0000

Record Last Update: 20260903T235408+0000

Ratings and Alerts

No rating or validation information has been found for PRSice.

No alerts have been found for PRSice.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 110 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

R??devand L, et al. (2026) Evidence for overlapping genetic architecture between lifestyle factors and severe mental disorders with different patterns across diagnoses. EBioMedicine, 128, 106304.

Han S, et al. (2026) Genetic risk of chronic pain conditions associated with risk of suicide death through an integrative analysis of EHR and genomics data. Translational psychiatry, 16(1).

Toda N, et al. (2026) Genetic and Social Determinants of Renin-Angiotensin-Aldosterone System Inhibitor-Induced Angioedema: A Precision Medicine Health Equity Study. medRxiv : the preprint server for health sciences.

Gao C, et al. (2026) Periodontal diseases and all-cause dementia risk: Genetic instrument analyses in half a million UK Biobank participants. Journal of Alzheimer's disease : JAD, 112(1), 273.

Stevelink R, et al. (2026) Penetrance of pathogenic epilepsy variants is low and shaped by common genetic background. Epilepsia, 67(3), 1398.

Strickler C, et al. (2026) Association of a polygenic risk score with low trauma fractures in people with HIV - The swiss HIV cohort study. PloS one, 21(2), e0342748.

Zhang J, et al. (2026) The shared genetic architecture underlying the autoimmune and cardiovascular disease: a multivariate genome-wide analysis. Cardiovascular diabetology, 25(1), 44.

Fu J, et al. (2026) Genome-wide association studies of brain diffusion kurtosis imaging phenotypes. EBioMedicine, 127, 106261.

Kolifarhood G, et al. (2026) Causal evidence linking chronic pain genetics to late-onset asthma via the nervous system. British journal of anaesthesia, 136(3), 933.

Charisis S, et al. (2025) Genetic predisposition to high circulating levels of interleukin 6 and risk for Alzheimer's disease. Discovery and replication. The journal of prevention of

Alzheimer's disease, 12(1), 100018.

Kang JO, et al. (2025) Studying rare variant polygenic risk scores using whole exome sequencing and imputed genotype data. Communications biology, 8(1), 1842.

Li X, et al. (2025) Variational autoencoder-based model improves polygenic prediction in blood cell traits. HGG advances, 6(4), 100490.

Tan MM, et al. (2025) Polygenic scores for disease risk are not associated with clinical outcomes in Parkinson's disease. medRxiv : the preprint server for health sciences.

Zhao B, et al. (2025) Association of dietary diversity, genetic susceptibility, and the risk of incident dementia: A prospective cohort study. The journal of prevention of Alzheimer's disease, 12(4), 100078.

Parker N, et al. (2025) Bivariate GSA-MiXeR: A Novel Tool for Functional Genomic Analyses Implicates Diverse Neural Cell Types for Psychiatric and Neurodegenerative Disorders. medRxiv : the preprint server for health sciences.

Xiang R, et al. (2025) Genome-wide analyses of variance in blood cell phenotypes provide new insights into complex trait biology and prediction. Nature communications, 16(1), 4260.

Kang M, et al. (2025) Metformin use on the risks of depression and anxiety in people with type 2 diabetes. Communications medicine, 5(1), 302.

Tang L, et al. (2025) Dissecting biological heterogeneity in major depressive disorder based on neuroimaging subtypes with multi-omics data. Translational psychiatry, 15(1), 72.

Chakkarai S, et al. (2025) Cross-tissue omics-guided drug repurposing triangulates novel targetable mechanisms for Alzheimer's disease and candidate genetic biomarkers for treatment stratification. Research square.

Eisenberg DP, et al. (2025) Genetic risk for treatment resistant schizophrenia and corresponding variation in dopamine synthesis capacity and D2/3 receptor availability in healthy individuals. Molecular psychiatry, 30(6), 2645.