Resource Summary Report

Generated by T1D on Aug 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: software resource, data processing software, software application, data analysis software

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

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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 97 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

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.

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.

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.

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

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

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.

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.

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.

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.

Jelcic I, et al. (2025) T-bet+ CXCR3+ B cells drive hyperreactive B-T cell interactions in multiple sclerosis. Cell reports. Medicine, 6(3), 102027.

Li X, et al. (2025) Variational Autoencoder-based Model Improves Polygenic Prediction in Blood Cell Traits. bioRxiv : the preprint server for biology.

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.

Pan G, et al. (2025) Modifiable traits and genetic associations with grey matter volume in mid-to-late adulthood: a population-based study in the UK biobank. npj aging, 11(1), 67.

Gu Y, et al. (2025) Genetic architecture and risk prediction of gestational diabetes mellitus in Chinese pregnancies. Nature communications, 16(1), 4178.

Hoggart CJ, et al. (2024) BridgePRS leverages shared genetic effects across ancestries to increase polygenic risk score portability. Nature genetics, 56(1), 180.

Gao PY, et al. (2024) Physical frailty, genetic predisposition, and incident dementia: a large prospective cohort study. Translational psychiatry, 14(1), 212.

Socrates AJ, et al. (2024) Polygenic risk of social isolation behavior and its influence on psychopathology and personality. Molecular psychiatry, 29(11), 3599.

Fang J, et al. (2024) Polygenic effects on brain functional endophenotype for deficit and non-deficit schizophrenia. Schizophrenia (Heidelberg, Germany), 10(1), 18.

Sampatakakis SN, et al. (2024) Genetic Predisposition for White Matter Hyperintensities and Risk of Mild Cognitive Impairment and Alzheimer's Disease: Results from the HELIAD Study. Current issues in molecular biology, 46(1), 934.