

Resource Summary Report

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TwoSampleMR

RRID:SCR_019010

Type: Tool

Proper Citation

TwoSampleMR (RRID:SCR_019010)

Resource Information

URL: <https://github.com/MRCIEU/TwoSampleMR>

Proper Citation: TwoSampleMR (RRID:SCR_019010)

Description: Software R package for performing Mendelian randomization using genome wide association study summary data.

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

Defining Citation: [PMID:29846171](#)

Keywords: GWAS data, genome wide associated study data, genome data, Mendelian randomization, analysis

Availability: Free, Available for download, Freely available

Resource Name: TwoSampleMR

Resource ID: SCR_019010

License: MIT license

Record Creation Time: 20220129T080343+0000

Record Last Update: 20260806T054708+0000

Ratings and Alerts

No rating or validation information has been found for TwoSampleMR.

No alerts have been found for TwoSampleMR.

Data and Source Information

Usage and Citation Metrics

We found 597 mentions in open access literature.

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

Sinke L, et al. (2026) DNA methylation of genes involved in lipid metabolism drives adiponectin levels and metabolic disease. *Diabetologia*, 69(1), 127.

Gao X, et al. (2026) Single-Cell Genetic Mapping of Gasdermin Expression Across Immune-Mediated Inflammatory Diseases. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 40(1), e71328.

Tian H, et al. (2026) Identifying Immune Cells as Mediators in the Impact of Gut Microbiota on Congenital Malformations of the Nervous System. *Brain and behavior*, 16(1), e71150.

Wang Z, et al. (2025) Entertainment activities and the risk of multiple sclerosis: A Mendelian randomization analysis. *Medicine*, 104(42), e44981.

Deiana G, et al. (2025) Brain-wide pleiotropy investigation of alcohol drinking and tobacco smoking behaviors. *Translational psychiatry*, 15(1), 61.

Chen TT, et al. (2025) Genetic architectures of childhood maltreatment and causal influence of childhood maltreatment on health outcomes in adulthood. *Molecular psychiatry*, 30(8), 3404.

Lu Q, et al. (2025) Prognostic Value of Centrosome Replication-Related Genes in Prostate Cancer Based on Transcriptomic and Mendelian Randomization. *American journal of men's health*, 19(2), 15579883251319125.

Zhao F, et al. (2025) Exploring the causal impact of body mass index on metabolic biomarkers and cholelithiasis risk: a Mendelian randomization analysis. *Scientific reports*, 15(1), 415.

Li H, et al. (2025) Comprehensive Analysis Reveals the Potential Diagnostic Value of Biomarkers Associated With Aging and Circadian Rhythm in Knee Osteoarthritis. *Orthopaedic surgery*, 17(3), 922.

Lin SC, et al. (2025) Causal Mediation Analysis: A Summary-Data Mendelian Randomization Approach. *Statistics in medicine*, 44(5), e10317.

Peng R, et al. (2025) The causal effects between low back pain and cerebrospinal fluid metabolites: a two-sample Mendelian randomization study. *Hereditas*, 162(1), 18.

Soremekun C, et al. (2025) Mendelian randomization study highlights the role of hematological traits on Type-2 diabetes mellitus in African ancestry individuals. *Frontiers in pharmacology*, 16, 1436972.

Quan L, et al. (2025) Genetic associations of plasma proteins and breast cancer identify potential therapeutic drug candidates. *Communications biology*, 8(1), 610.

Liu S, et al. (2025) Warfarin use and vestibular dysfunction insights from NHANES data, network pharmacology, Mendelian randomization, and molecular docking. *Scientific reports*, 15(1), 11748.

Xie Z, et al. (2025) Identification of biomarkers for endometriosis based on summary-data-based Mendelian randomization and machine learning. *Medicine*, 104(14), e41804.

Daghlas I, et al. (2025) Application of Human Genetics to Prioritize Coagulation Cascade Protein Targets for Ischemic Stroke Prevention. *Stroke*, 56(6), 1542.

Song Y, et al. (2025) Does COVID-19 impact the QT interval prolongation? Answers from genetic causal inference. *Bioscience reports*, 45(1), 1.

Yu J, et al. (2025) Integration of single-cell sequencing and mendelian randomization reveals novel causal pathways between monocytes and hepatocellular carcinoma. *Discover oncology*, 16(1), 604.

Li H, et al. (2025) Multi-ancestry sequencing-based genome-wide association study of C-reactive protein in 513,273 genomes. *Nature communications*, 16(1), 3892.

Liu M, et al. (2025) Role and mechanism of mitochondrial dysfunction???related gene biomarkers in the progression of type 2 diabetes mellitus. *Molecular medicine reports*, 31(6).