Resource Summary Report

Generated by NIF on Sep 9, 2026

mRnd

RRID:SCR_022156
Type: Tool

Proper Citation

mRnd (RRID:SCR_022156)

Resource Information

URL: https://shiny.cnsgenomics.com/mRnd/

Proper Citation: mRnd (RRID:SCR_022156)

Description: Web tool for calculations for Mendelian Randomization. Power calculations for Mendelian Randomization. Used to calculate statistical power for Mendelian Randomization study, using Non Centrality Parameter based approach.

Resource Type: data access protocol, software resource, web service

Defining Citation: PMID:24159078

Keywords: calculations for Mendelian Randomization, Mendelian Randomization, calculate statistical power, Mendelian Randomization study, Non Centrality Parameter

Funding: Australian National Health and Medical Research Council ;
EU 7th Framework Programme ;
Leducq Foundation ;
Wellcome Trust

Availability: Free, Freely available

Resource Name: mRnd

Resource ID: SCR_022156

Alternate URLs: https://github.com/kn3in/mRnd

Record Creation Time: 20220421T050139+0000

Record Last Update: 20260905T132951+0000

Ratings and Alerts

No rating or validation information has been found for mRnd.

No alerts have been found for mRnd.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 364 mentions in open access literature.

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

Yan Z, et al. (2026) Triglyceride-glucose index, plasma metabolome and aortic stenosis: a Mendelian randomization analysis. Journal of cardiothoracic surgery, 21(1).

Liang X, et al. (2026) A Comprehensive Mendelian Randomization Study of Bidirectional Causal Relationships Between Pain and Mental Disorders. Journal of pain research, 19, 561284.

Qiu X, et al. (2026) Causal relationship between matrix metalloproteinases and diabetic retinopathy: A bidirectional two-sample Mendelian randomization study. Medicine, 105(4), e47363.

Wu D, et al. (2026) Circulating Inflammatory Proteins and Fuchs Endothelial Corneal Dystrophy: A Mendelian Randomization and Bioinformatics-Based Investigation. Translational vision science & technology, 15(5), 6.

Tian X, et al. (2026) A Two-sample Mendelian Randomization Study of Air Pollution/Smoking and Cardiac Arrest. Arquivos brasileiros de cardiologia, 123(3), 20250127.

Xu L, et al. (2026) Increased risk of the onset and exacerbation of COPD in metabolic syndrome patients: A 2-sample Mendelian randomization study. Medicine, 105(20), e48701.

Ma Q, et al. (2026) Bidirectional Mendelian randomization analysis of hypertension, coronary artery disease, and gastric cancer with supplementary clinical data. Frontiers in cardiovascular medicine, 13, 1803696.

Miao H, et al. (2026) Causal effect between chronic periodontitis and IgA nephropathy: Insights from a 2-sample bidirectional Mendelian randomization study. Medicine, 105(25), e49419.

Chen D, et al. (2026) Associations between Metabolic Syndrome Indicators and Colon Polyps: A Mendelian Randomization Study. Endocrinology and metabolism (Seoul, Korea), 41(2), 256.

Wang W, et al. (2026) Genetic association between PCSK9 and coronary artery calcification mediated by inflammatory cytokines. Frontiers in cardiovascular medicine, 13, 1767013.

Qiao X, et al. (2026) Genetic predisposition to coffee consumption and the association with the early risk of atherosclerosis. Scientific reports, 16(1).

Liu J, et al. (2026) Causal association of type 1 diabetes with pancreatic cancer: a multi-ancestry Mendelian randomization study. Archives of medical science : AMS, 22(2), 1218.

Chu Y, et al. (2026) Metabolic mediators linking type 1 diabetes mellitus to osteoporosis. Archives of medical science : AMS, 22(1), 316.

Jiang X, et al. (2026) Revealing causal associations of 91 inflammatory protein factors with endocarditis: Insights from genome-wide association study. Medicine, 105(13), e48141.

Ge Q, et al. (2026) Using human genetics to understand the epidemiological association between child obesity at different ages and MASLD. International journal of surgery (London, England), 112(1), 1425.

Lin Y, et al. (2026) Associations Between Obesity, Diabetes Mellitus, and Pancreatic Cancer in the Japanese Population: A Mendelian Randomization Study. Cancer science, 117(5), 1446.

Du J, et al. (2026) East Asian Mendelian-Randomization Evidence Linking PCOS to Gestational Diabetes Mellitus. International journal of women's health, 18, 559022.

Chen J, et al. (2026) Mendelian randomization study of causality between 35 blood and urine biomarkers and age-related eye diseases. Medicine, 105(5), e47286.

Zhang S, et al. (2026) Rheumatoid arthritis and risk of lung diseases in East Asians and Europeans: Evidence from a Mendelian randomization study. SAGE open medicine, 14, 20503121261420918.

Qin C, et al. (2026) The causal relationship and metabolic mediation between telomere length and intervertebral disc degeneration: A two-stage network Mendelian randomization study. Medicine, 105(10), e47852.