

Resource Summary Report

Generated by [kravitz2](#) on Aug 23, 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: 20260821T194221+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 [kravitz2](#) .

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.

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.

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

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

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.

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.

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.

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

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

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.

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.

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

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.

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.

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.

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.

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.

Yuan C, et al. (2026) Causal relationship between metabolic syndrome and gastric cancer: insights from comprehensive analysis and biomarker identification. *Translational cancer research*, 15(2), 120.